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ACCESSION NBR: 7910310283 DOC. DATE: 79/10/26 NOTARIZED: NO DOCKET #  
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 AUTH. NAME AUTHOR AFFILIATION  
 RHODE, G.K. Niagara Mohawk Power Corp.  
 RECIP. NAME RECIPIENT AFFILIATION  
 IPPOLITO, T. Operating Reactors Branch 3

SUBJECT: Responds to request for info re verification of modeling techniques for seismic calculations on safety-related piping sys. Forwards description of method used by ADLPIPE code & verification analysis of TMRSA code.

See Reports

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ENCLOSURE 7910310290

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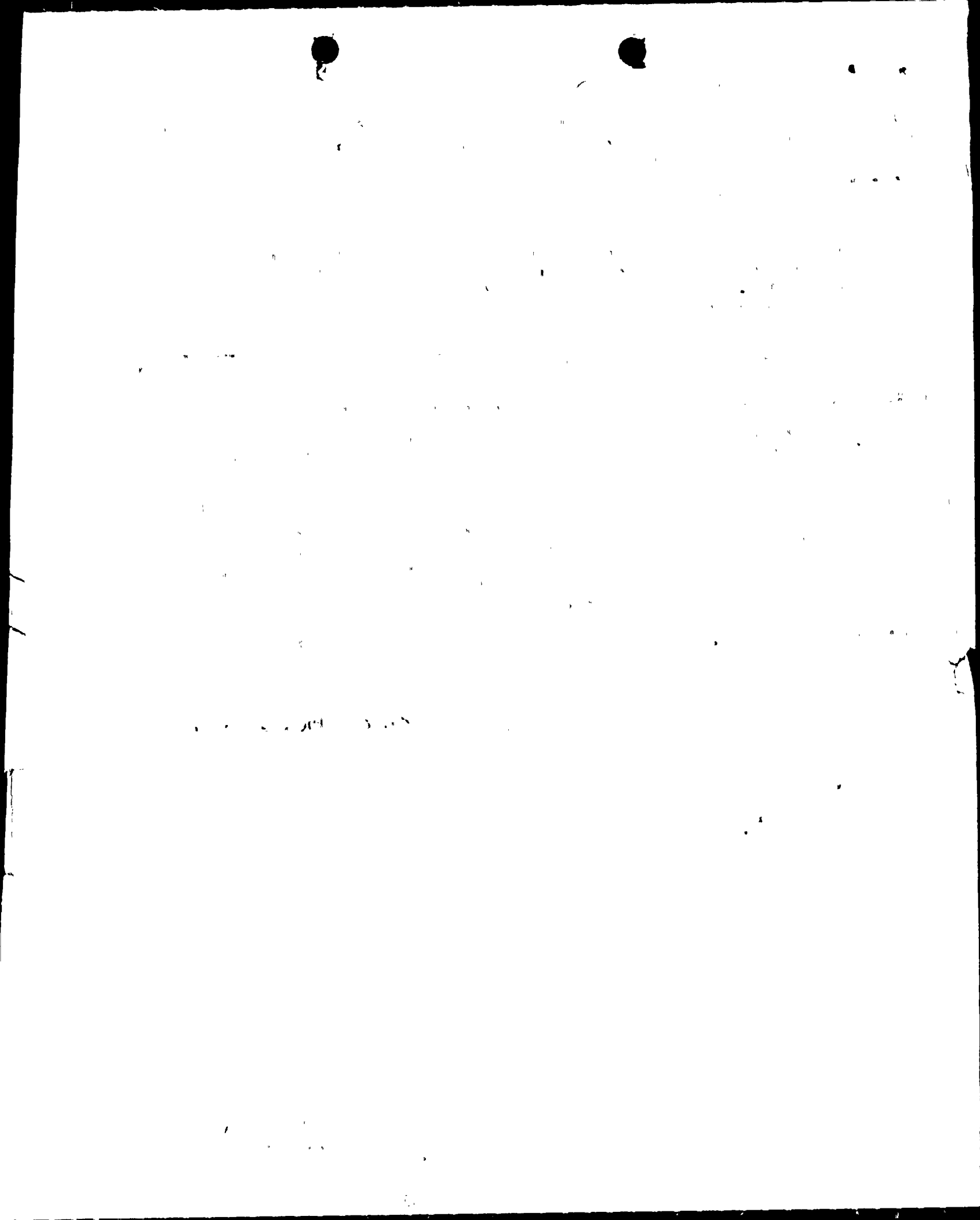
SEISMIC REV GRP (2)

NOV 2 1979

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October 26, 1979

Director of Nuclear Reactor Regulation  
Attn: Mr. Thomas Ippolito, Chief  
Operating Reactors Branch #3  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Ippolito:

Re: Nine Mile Point Unit 1  
Docket No. 50-220  
DPR-63

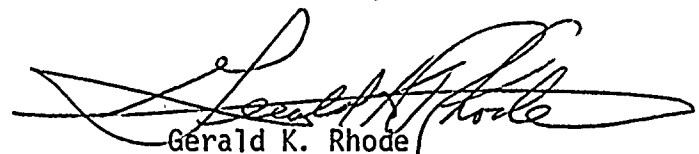
As requested by your staff, enclosed is information related to verification of modeling techniques for seismic calculations on safety related piping systems for Nine Mile Point Unit 1. The following enclosures are provided:

1. Description of the method employed by the ADLPIPE code to combine seismic response data and
2. Three copies of the verification analysis of the TMRSAP code using the Benchmark problems supplied your staff.

This completes the request for information regarding the adequacy of seismic stress analysis of safety related piping for Nine Mile Point Unit 1.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

  
Gerald K. Rhode  
Vice President  
System Project Management

Enclosures

Approved  
10/31/79  
ENC #2 TO:  
JRC POR  
L POR  
SEISMIC  
REV GRP (2)

7910310 283

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DESCRIPTION OF THE ADLPIPE CODE METHOD  
FOR COMBINING SEISMIC RESPONSE DATA

The ADLPIPE code is used to analyze piping systems for each of three orthogonal component response spectra (two horizontal and one vertical) as independent response spectrum analyses. The representative maximum value of the three moments  $M_x$ ,  $M_y$ ,  $M_z$  at any node point in the piping system subjected to each of the three independent spatial component response spectra was obtained by taking a Square Root of the Sum of Squares summation of the modal responses for the specified number of modes in the analysis. This is expressed mathematically as:

$$M_j = \left[ \sum_{k=1}^N M_{j_k}^2 \right]^{1/2}$$

where,  $M_j$  = representative maximum value of moment

$j$  = x, y, or z moment component direction

$M_{j_k}$  = value of moment component due to the  $k^{\text{th}}$  mode

$N$  = total number of modes analyzed

The combined effect of the three spatial components of earthquake was subsequently determined by the following procedure:

1. The representative maximum values of the component moments ( $M_x, M_y, M_z$ ) from the three independent orthogonal component response spectra were combined by the Square Root of the Sum of Squares method. This is expressed mathematically as:

$$\bar{M}_j = [\sum_{i=1}^3 (M_j)_i^2]^{1/2}$$

where,  $\bar{M}_j$  = total response spectrum moment component

j = x, y, z moment component direction

i = X, Y, Z orthogonal shock spectra directions

2. The ASME Code resultant moment,  $M_B$ , was then determined by combining the individual resultant moments,  $\bar{M}_j$ , by the Square Root of the Sum of Squares method. This is expressed mathematically as:

$$M_B = [\sum_{j=1}^3 \bar{M}_j^2]^{1/2}$$

where,  $M_B$  = resultant seismic moment for code evaluation

$\bar{M}_j$  = total response spectrum moment component

j = x, y, z moment component direction

Since all terms are defined as Square Root of the Sum of Squares quantities, no algebraic summation occurs when the above procedures are employed. Since the three orthogonal component response spectra are analyzed independently, the possibility of any algebraic summation at the intramodal level (within a mode) is eliminated during the derivation of the spectral amplitudes. The modal participation factors are applied for each of the three orthogonal earthquake directions separately. Hence, there is no intramodal summation performed to derive a combined modal participation.

The calculations below illustrate how the seismic response data were combined and used to calculate the new seismic stresses tabulated in Table 1 of our June 12, 1979 submittal for those systems analyzed using the ADLPIPE code.

SHUTDOWN COOLING SUCTION NODE 20 (BRANCH), Calculation of Resultant Seismic Moment

<u>SEISMIC DATA</u>	$M_x$	$M_y$	$M_z$
X-SHOCK	9708.	74056.	141678.
Y-SHOCK	7412.	14496.	285367.
Z-SHOCK	<u>9708.</u>	<u>663528.</u>	<u>75681.</u>
SRSS =	15602.	667805.	327467.

$$M_B = (15602.^2 + 667805.^2 + 327467.^2)^{1/2} = 743936. \text{ (resultant seismic moment)}$$

SECTION MODULUS,  $z = \frac{I}{C}$

Where,  $I = \frac{\pi}{64} (D_o^4 - D_i^4)$

$D_o = 14.0 \text{ inches}$

$I = \frac{\pi}{64} (14.0^4 - 12.494^4)$

$t = 0.753 \text{ inches}$

$I = 689.6 \text{ in}^4$

$C = \frac{D_o}{2} = 7.0 \text{ inches}$

$z = \frac{689.6}{7.0} = 98.5 \text{ in}^3$

$$\text{INTENSIFICATION FACTOR, } i = \frac{0.9}{h^{2/3}}$$

$$\text{where, } h = 4.4 \frac{\bar{T}}{r_2}$$

$$\bar{T} = 1.05$$

$$h = 4.4 \left( \frac{1.05}{6.475} \right) = 0.71351$$

$$r_2 = \frac{14.0 - 1.05}{2} = 6.475$$

$$i = \frac{0.9}{(.71351)^{2/3}} = 1.127$$

$$\text{SEISMIC STRESS, } \sigma = 0.75i \left( \frac{M_B}{Z} \right)$$

$$\sigma = 0.75 (1.127) \left( \frac{743936.}{98.5} \right) \quad 0.75i = 1.0$$

$$\sigma = 7552. \text{ psi}$$

NIAGARA MOHAWK POWER CORPORATION  
300 ERIE BOULEVARD WEST  
SYRACUSE, NY 13201

ATTACHMENT  
TO TES LETTER 3245A-4

BOOK 2 OF 2

"TMRSA" VERIFICATION ANALYSIS  
ONRR BENCHMARK PROBLEMS

50-220  
Ltr 10-26-79  
7910310283

SEPTEMBER 21, 1979

TELEDYNE ENGINEERING SERVICES  
303 BEAR HILL ROAD  
WALTHAM, MASSACHUSETTS 02154  
617-890-3350



[illegible]

BATCH UPDATED 08/24/79 TODAY IS 08/28/79  
THIRY CITIES CYBERNET CENTER: CY858 76 TCA/TC7





LUMPED MASS SYSTEM FOR HOGA RD BEND - BENCHMARK PROB. NO. 1

OPTIC	0	0	0.0000	0.0000	0.0000	1.0000	1.0000	0.0000
SHOCK	0	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANCHOR	0	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RESTRAINT	0	1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
INERTIA	0	2	15.4096	15.4096	15.4096	0.0000	0.0000	0.0000
INERTIA	0	3	19.4436	19.4436	19.4436	0.0000	0.0000	0.0000
INERTIA	0	4	8.0680	8.0680	8.0680	0.0000	0.0000	0.0000
INERTIA	0	5	6.5611	6.5611	6.5611	0.0000	0.0000	0.0000
INERTIA	0	6	5.0502	5.0502	5.0502	0.0000	0.0000	0.0000
INERTIA	0	7	6.5611	6.5611	6.5611	0.0000	0.0000	0.0000
INERTIA	0	8	4.0340	4.0340	4.0340	0.0000	0.0000	0.0000
INERTIA	0	9	6.9359	6.9359	6.9359	0.0000	0.0000	0.0000
INERTIA	0	10	5.8000	5.8000	5.8000	0.0000	0.0000	0.0000
ANCHOR	0	11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RESTRAINT	0	11	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
PIPE	1	11	7.2880	24.10	24.0000	7.1000	0.0000	0.0000
RUN	1	2	0.0000	4.5375	0.0000	0.0000	0.0000	0.0000
RUN	2	3	0.0000	5.7875	0.0000	0.0000	0.0000	0.0000
ELBOW	3	4	0.0000	0.0000	0.0000	36.3000	0.0000	0.0000
RUN	4	41	1.7750	1.7750	0.0000	0.0000	0.0000	0.0000
ELBOW	41	5	0.0000	0.0000	0.0000	36.3000	0.0000	0.0000
RUN	5	6	2.7375	0.0000	0.0000	0.0000	0.0000	0.0000
RUN	6	7	2.7375	0.0000	0.0000	0.0000	0.0000	0.0000
ELBOW	7	8	0.0000	0.0000	0.0000	36.3000	0.0000	0.0000
RUN	8	81	1.7750	0.0000	1.7750	0.0000	0.0000	0.0000
ELBOW	81	9	0.0000	0.0000	0.0000	36.3000	0.0000	0.0000
RUN	9	10	0.0000	0.0000	2.9583	0.0000	0.0000	0.0000
RUN	10	11	0.0000	0.0000	1.7083	0.0000	0.0000	0.0000



# CONTROL INFORMATION

NUMBER OF NODAL POINTS = 13  
 NUMBER OF ELEMENT TYPES = 1  
 NUMBER OF LOAD CASES = 0  
 NUMBER OF FREQUENCIES = 5  
 ANALYSIS CODE (NDYN) = 1  
 EQ.0, STATIC  
 EQ.1, MODAL EXTRACTION  
 EQ.2, FORCED RESPONSE  
 EQ.3, RESPONSE SPECTRUM  
 EQ.4, DIRECT INTEGRATION  
 SOLUTION MODE (MODEX) = 0  
 EQ.0, EXECUTION  
 EQ.1, DATA CHECK  
 NUMBER OF SUBSPACE  
 ITERATION VECTORS (NAD) = 0  
 EQUATIONS PER BLOCK = 0  
 TAPE10 SAVE FLAG (N10SV) = 0

## NODAL POINT INPUT DATA

NODES		BOUNDARY CONDITION CODES						NODAL POINT COORDINATES				
SAP	THR	X	Y	Z	XX	YY	ZZ	X	Y	Z		T
1	1	1	1	1	1	1	1	0.000	0.000	0.000	0	0.000
2	2	0	0	0	0	0	0	0.000	54.456	0.000	0	0.000
3	3	0	0	0	0	0	0	0.000	108.876	0.000	0	0.000
4	4	0	0	0	0	0	0	10.632	134.544	0.000	0	0.000
5	41	0	0	0	0	0	0	10.668	134.580	0.000	0	0.000
6	5	0	0	0	0	0	0	36.336	145.212	0.000	0	0.000
7	6	0	0	0	0	0	0	54.156	145.212	0.000	0	0.000
8	7	0	0	0	0	0	0	71.976	145.212	0.000	0	0.000
9	8	0	0	0	0	0	0	97.644	145.212	10.632	0	0.000
10	81	0	0	0	0	0	0	97.680	145.212	10.668	0	0.000
11	9	0	0	0	0	0	0	108.312	145.212	36.336	0	0.000
12	10	0	0	0	0	0	0	108.312	145.212	56.796	0	0.000
13	11	1	1	1	1	1	1	108.312	145.212	77.292	0	0.000

## GENERATED NODAL DATA

NODES		BOUNDARY CONDITION CODES						NODAL POINT COORDINATES				
SAP	THR	X	Y	Z	XX	YY	ZZ	X	Y	Z		T
1	1	1	1	1	1	1	1	0.000	0.000	0.000	0	0.000
2	2	0	0	0	0	0	0	0.000	54.456	0.000	0	0.000
3	3	0	0	0	0	0	0	0.000	108.876	0.000	0	0.000
4	4	0	0	0	0	0	0	10.632	134.544	0.000	0	0.000
5	41	0	0	0	0	0	0	10.668	134.580	0.000	0	0.000
6	5	0	0	0	0	0	0	36.336	145.212	0.000	0	0.000
7	6	0	0	0	0	0	0	54.156	145.212	0.000	0	0.000
8	7	0	0	0	0	0	0	71.976	145.212	0.000	0	0.000
9	8	0	0	0	0	0	0	97.644	145.212	10.632	0	0.000
10	81	0	0	0	0	0	0	97.680	145.212	10.668	0	0.000
11	9	0	0	0	0	0	0	108.312	145.212	36.336	0	0.000
12	10	0	0	0	0	0	0	108.312	145.212	56.796	0	0.000
13	11	1	1	1	1	1	1	108.312	145.212	77.292	0	0.000

## EQUATION NUMBERS

N	X	Y	Z	XX	YY	ZZ
1	0	0	0	0	0	0
2	1	2	3	4	5	6
3	7	8	9	10	11	12

006



4	13	15	16	17	18
5	19	20	21	22	23
6	25	26	27	28	29
7	31	32	33	34	35
8	37	38	39	40	41
9	43	44	45	46	47
10	49	50	51	52	53
11	55	56	57	58	59
12	61	62	63	64	65
13	0	0	0	0	0

007



# CONTROL INFORMATION

NUMBER OF PIPE ELEMENTS = 12  
 NUMBER OF MATERIAL SETS = 1  
 MAXIMUM NUMBER OF MATERIAL  
 TEMPERATURE INPUT POINTS = 1  
 NUMBER OF SECTION PROPERTY SETS = 1  
 NUMBER OF BRANCH POINT NODES = 0  
 MAXIMUM NUMBER OF TANGENTS  
 COMMON TO A BRANCH POINT = 4  
 FLAG FOR NEGLECTING AXIAL  
 DEFORMATIONS IN BEND ELEMENTS = 0  
 (EQ.1, NEGLECT)

## MATERIAL PROPERTY TABLES

MATERIAL NUMBER = ( 1 )  
 NUMBER OF  
 TEMPERATURE POINTS = ( 1 )  
 IDENTIFICATION = (

POINT NUMBER	TEMPERATURE	YOUNG'S MODULUS	POISSON'S RATIO	THERMAL EXPANSION
1	0.00	24000000.0	.300	.710E-05

008

## SECTION PROPERTY TABLE





SECTION NUMBER	OUTSIDE DIAMETER	WALL THICKNESS	SHAPE FACTOR FOR SHEAR	HEIGHT/ UNIT LENGTH	MASS/ UNIT LENGTH	D E S C R I P T I O N
1	7.288	.2410	0.0000	0.		

# E L E M E N T   L O A D   C A S E   M U L T I P L I E R S

	CASE A	CASE B	CASE C	CASE D
X-DIRECTION GRAVITY	0.000	0.000	0.000	0.001
Y-DIRECTION GRAVITY	0.000	0.000	0.000	0.000
Z-DIRECTION GRAVITY	0.000	0.000	0.000	0.001
THERMAL DISTORTION	0.000	0.000	0.000	0.001
PRESSURE DISTORTION	0.000	0.000	0.000	0.001

009



ELEMENT NUMBER	ELEMENT TYPE	NODE -I	NODE -J	MATL. NUMBER	SECTION NUMBER	REFERENCE TEMPERATURE (BEND RADIUS)	INTERNAL PRESSURE (THICK- NESS)	D I R E C T I O N A (YX)	O S I N E S A (YY)	A (YZ)	INCREMENT (WALL FRACTION)	INPUT TAG
1	TANGENT	1	2	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
2	TANGENT	2	3	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
3	BEND	3	4	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	IC
						( 36.300)	(TI)	( 0.000)	( 123.912)	( 0.000)	( -1000)	
4	TANGENT	4	41	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
5	BEND	41	5	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	IC
						( 36.300)	(TI)	( 21.300)	( 145.212)	( 0.000)	( -1000)	
6	TANGENT	5	6	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
7	TANGENT	6	7	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
8	BEND	7	8	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	IC
						( 36.300)	(TI)	( 87.012)	( 145.212)	( 0.000)	( -1000)	
9	TANGENT	8	81	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
10	BEND	81	9	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	IC
						( 36.300)	(TI)	( 108.312)	( 145.212)	( 21.300)	( -1000)	
11	TANGENT	9	10	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
12	TANGENT	10	11	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II

NUMBER OF EQUATIONS PER BLOCK= 66 FOR 5 MODES. MTOT= 130999

NO. OF MODES FOR THIS DYNAMIC ANALYSIS IS 5 MODES

010

EQUATION PARAMETERS

TOTAL NUMBER OF EQUATIONS



TOTAL NUMBER OF EQUATIONS = 66  
BANDWIDTH = 12  
NUMBER OF EQUATIONS IN A BLOCK = 66  
NUMBER OF BLOCKS = 1

011

NODAL LOADS (STATIC) OR MASSES (DYNAMIC)



NODE SAP	LOAD TMP	LOAD CASE	X-AXIS FORCE	Y-AXIS FORCE	Z-AXIS FORCE	X-AXIS MOMENT	Y-AXIS MOMENT	Z-AXIS MOMENT
2	2	0	.39900E-01	.39900E-01	.39900E-01	0.	0.	0.
3	3	0	.50300E-01	.50300E-01	.50300E-01	0.	0.	0.
4	4	0	.20900E-01	.20900E-01	.20900E-01	0.	0.	0.
6	5	0	.17000E-01	.17000E-01	.17000E-01	0.	0.	0.
7	6	0	.13100E-01	.13100E-01	.13100E-01	0.	0.	0.
8	7	0	.17000E-01	.17000E-01	.17000E-01	0.	0.	0.
9	8	0	.10400E-01	.10400E-01	.10400E-01	0.	0.	0.
11	9	0	.18000E-01	.18000E-01	.18000E-01	0.	0.	0.
12	10	0	.15000E-01	.15000E-01	.15000E-01	0.	0.	0.

STRUCTURE LOAD CASE	ELEMENT A	LOAD B	MULTIPLIERS C	D
1	0.000	0.000	0.000	0.000





DETERMINANT SEARCH SOLUTION IS CARRIED OUT

CONTROL INFORMATION

FLAG FOR ADDITIONAL PRINTING = 0  
EQ.0, SUPPRESS  
EQ.1, PRINT

STURM SEQUENCE CHECK FLAG (\*) = 0  
EQ.0, PERFORM CHECK  
EQ.1, PASS

MAXIMUM ITERATION CYCLES (\*) = 16

CONVERGENCE TOLERANCE (\*) = .1000E-04

CUT-OFF FREQUENCY (CPS) = .1000E+09

NUMBER OF STARTING ITERATION  
VECTORS TO BE READ FROM  
TAPE10 (\*) = 0

(\*) APPLICABLE TO SUBSPACE  
ITERATION SOLUTIONS ONLY

SOLUTION IS SOUGHT FOR FOLLOWING EIGENPROBLEM

NUMBER OF EQUATIONS = 66

HALF BANDWIDTH OF STIFFNESS MATRIX = 12

NUMBER OF EQUATION BLOCKS = 1

NUMBER OF EQUATIONS PER BLOCK = 66

NUMBER OF EIGENVALUES REQUIRED = 5

013

WE SOLVED FOR THE FOLLOWING EIGENVALUES

.321428691380E+05 .122868652634E+05 .262100544200E+06 .712371920420E+06 .104695402615E+07

THE FOLLOWING ARE PHYSICAL ERROR BOUNDS ON THE EIGENPAIRS

.937874587718E-08 .671579196908E-08 .768689974900E-09 .413859408183E-09 .484037685037E-09

PRINT OF FREQUENCIES



MODE NUMBER	CIRCULAR FREQUENCY RAD/SEC	FREQUENCY (CYCLES/SEC)	PERIOD (SEC)
1	.1793E+03	.2853E+02	.3505E-01
2	.3505E+03	.5579E+02	.1793E-01
3	.5120E+03	.8148E+02	.1227E-01
4	.8902E+03	.1417E+03	.7059E-02
5	.1023E+04	.1628E+03	.6141E-02

PRINT OF EIGENVECTORS

014

NODE DISPLACEMENTS / ROTATIONS



NODE	EIGEN	NUMBER	VECTOR	TRANSLATION	TRANSLATION	TRANSLATION	ROTATION	ROTATION	ROTATION
SAP	TMR								
13	11	1	0.	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.	0.
12	10	1	.95947E-01	-.32751E-01	-.65976E-03	-.30774E-02	-.88524E-02	-.69200E-03	
		2	.37337E+00	.16855E-02	.14850E-02	.1238 E-03	-.30768E-01	-.25391E-04	
		3	.76779E-01	-.52266E+00	-.44178E-03	-.4454E-01	-.65646E-02	.12907E-02	
		4	.42644E+00	-.20813E+00	.11451E-01	-.15752E-01	-.31065E-01	.53226E-02	
		5	.27354E+00	.62470E+00	-.30522E-03	.49935E-01	-.21536E-01	.13581E-01	
11	9	1	.35647E+00	-.12459E+00	-.13183E-02	-.5784E-02	-.16113E-01	-.13828E-02	
		2	.11952E+01	.46053E-02	.29669E-02	.12154E-03	-.44031E-01	-.50737E-04	
		3	.25835E+00	-.17514E+01	-.88250E-03	-.69454E-01	-.10310E-01	.25792E-02	
		4	.11560E+01	-.59508E+00	.22861E-01	-.17942E-01	-.30579E-01	.10636E-01	
		5	.82659E+00	.19299E+01	-.60913E-03	.68303E-01	-.28084E-01	.27137E-01	
10	81	1	.99821E+00	-.34581E+00	-.30142E+00	-.12459E-01	-.32866E-01	-.15719E-02	
		2	.22788E+01	.38736E-02	-.40631E+00	-.30413E-03	-.27719E-01	.32806E-04	
		3	.58126E+00	-.39456E+01	-.13984E+00	-.86607E-01	-.12747E-01	.21426E-03	
		4	.10993E+01	-.91987E+00	.22522E+00	.98709E-02	.44925E-01	.10529E-01	
		5	.14445E+01	.31902E+01	-.22819E+00	.55135E-01	-.14238E-01	.54759E-01	
9	8	1	.99940E+00	-.34621E+00	-.30261E+00	-.12475E-01	-.32874E-01	-.15747E-02	
		2	.22798E+01	.38619E-02	-.40732E+00	-.30473E-03	-.27687E-01	.32848E-04	
		3	.58173E+00	-.39488E+01	-.14031E+00	-.86601E-01	-.12744E-01	.19638E-03	
		4	.10977E+01	-.91992E+00	.22689E+00	.99131E-02	.44982E-01	.10534E-01	
		5	.14450E+01	.31902E+01	-.22871E+00	.55116E-01	-.14218E-01	.54801E-01	
8	7	1	.13825E+01	-.43914E+00	-.12556E+01	-.16329E-01	-.38849E-01	-.32103E-02	
		2	.24138E+01	-.75238E-02	-.47733E+00	-.87162E-03	.19997E-01	.49230E-03	
		3	.69997E+00	-.43926E+01	-.39082E+00	-.69528E-01	-.56956E-02	-.38946E-01	
		4	.42051E+00	-.75546E+00	.20215E+01	.44622E-01	.68347E-01	-.59657E-02	
		5	.15080E+01	.17394E+01	-.27759E+00	.37579E-01	.80451E-02	.88657E-01	
7	6	1	.13827E+01	-.37384E+00	-.19480E+01	-.18579E-01	-.38363E-01	-.41562E-02	
		2	.24159E+01	-.17876E-01	-.19320E-01	-.11834E-02	.29814E-01	.70473E-03	
		3	.69986E+00	-.35607E+01	-.46714E+00	-.60865E-01	-.27767E-02	-.54055E-01	
		4	.42414E+00	-.60465E+00	.31116E+01	.63988E-01	.47801E-01	-.10698E-01	
		5	.15035E+01	.14266E+00	-.89114E-01	.32892E-01	.12290E-01	.83614E-01	
6	5	1	.13829E+01	-.29084E+00	-.26202E+01	-.20828E-01	-.36711E-01	-.51733E-02	
		2	.24195E+01	-.32874E-01	.57527E+00	-.14953E-02	.35321E-01	.10178E-02	
		3	.69942E+00	-.24740E+01	-.48994E+00	-.52202E-01	.73686E-04	-.65732E-01	
		4	.42716E+00	-.37871E+00	.37012E+01	.83354E-01	.16947E-01	-.13471E-01	
		5	.14952E+01	-.11962E+01	.15475E+00	.28205E-01	.14081E-01	.59428E-01	
5	41	1	.13007E+01	-.11093E+00	-.31952E+01	-.26512E-01	-.27228E-01	-.90923E-02	
		2	.24302E+01	-.59030E-01	.15691E+01	.14353E-03	.35772E-01	-.12544E-02	
		3	-.75862E-01	-.60662E+00	.25179E-01	-.36425E-01	.23342E-02	-.67348E-01	
		4	.31475E+00	-.62976E-01	.17923E+01	.11958E+00	-.61199E-01	-.77394E-02	
		5	.11469E+01	-.10706E+01	.27313E+00	.21012E-01	.13258E-01	-.75152E-01	
4	4	1	.13004E+01	-.11060E+00	-.31952E+01	-.26517E-01	-.27220E-01	-.90954E-02	
		2	.24301E+01	-.58996E-01	.15704E+01	.14914E-03	.36765E-01	-.12619E-02	
		3	-.78316E-01	-.60416E+00	.26581E-01	-.36410E-01	.23402E-02	-.67327E-01	
		4	.31448E+00	-.62694E-01	.17857E+01	.11959E+00	-.61228E-01	-.77319E-02	
		5	.11442E+01	-.10678E+01	.27286E+00	.21033E-01	.13251E-01	-.75240E-01	
3	3	1	.10171E+01	-.11393E-03	-.26674E+01	-.33756E-01	-.20037E-01	-.12528E-01	

015



		1	.22115E+01	-.41656E-03	.17674E+01	.14210E-01	.27904E-01	-.17092E-01
		3	-.12087E+01	-.25036E-01	.62153E+00	-.81583E-02	-.97237E-03	-.15944E-01
		4	.24258E+00	-.12577E-01	-.17143E+01	.70100E-01	-.55151E-01	-.56496E-03
		5	-.15405E+01	.38597E-02	-.16824E-01	-.10850E-01	.11108E-01	-.87743E-01
2	2	1	.34244E+00	-.56997E-04	-.88557E+00	-.27554E-01	-.10022E-01	-.10737E-01
		2	.90511E+00	-.20856E-03	.72446E+00	.20363E-01	.13962E-01	-.25458E-01
		3	-.91291E+00	-.12550E-01	.46881E+00	.10136E-01	-.48635E-03	.19729E-01
		4	.15283E+00	-.63332E-02	-.25969E+01	-.38721E-01	-.27584E-01	-.31078E-02
		5	-.32697E+01	.19478E-02	-.25991E+00	-.26773E-02	.55557E-02	.40370E-01
1	1	1	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.

# EIGENSOLUTION TIME LOG

EIGENSOLUTION = .25  
PRINTING = .03

2.16





NODAL POINT INPUT	=	.18
ELEMENT STIFFNESS FORMATION	=	.13
NODAL LOAD INPUT	=	.01
TOTAL STIFFNESS FORMATION	=	.02
STATIC ANALYSIS	=	0.00
EIGENVALUE EXTRACTION	=	.28
FORCED RESPONSE ANALYSIS	=	0.00
RESPONSE SPECTRUM ANALYSIS	=	0.00
STEP-BY-STEP INTEGRATION	=	0.00
 TOTAL SOLUTION TIME	=	 .62



SAVE	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DIRECTION	0	1	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DIRECTION	0	2	.6667	0.0000	0.0000	0.0000	0.0000	0.0000
DIRECTION	0	3	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FREQ	1	6	3.0960	4.0000	5.0000	5.8140	7.0922	8.7719
FREQ	7	11	10.9890	14.0845	17.2413	34.9650	588.9280	0.0000
G	1	6	1.0350	2.2540	2.2540	1.8110	3.0740	3.0740
G.	7	11	1.1380	2.0050	2.0050	.9830	.3750	0.0000

ENDJOB

018



# CONTROL INFORMATION

NUMBER OF NODAL POINTS = 13  
 NUMBER OF ELEMENT TYPES = 1  
 NUMBER OF LOAD CASES = 0  
 NUMBER OF FREQUENCIES = 5  
 ANALYSIS CODE (NDYN) = -3  
     EQ.0, STATIC  
     EQ.1, MODAL EXTRACTION  
     EQ.2, FORCED RESPONSE  
     EQ.3, RESPONSE SPECTRUM  
     EQ.4, DIRECT INTEGRATION  
 SOLUTION MODE (MODEX) = 0  
     EQ.0, EXECUTION  
     EQ.1, DATA CHECK  
 NUMBER OF SUBSPACE  
 ITERATION VECTORS (NAD) = 0  
 EQUATIONS PER BLOCK = 0  
 TAPE10 SAVE FLAG (N10SV) = 0



# RESPONSE SPECTRUM ANALYSIS

## DIRECTION FACTORS

X = 1.0000 Y = .6670 Z = 1.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT

EQ.1 ACCELERATION

## MODAL PARTICIPATION FACTORS

MODE	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	.1754E+00	-.2596E-01	-.3309E+00
2	.3628E+00	-.2035E-02	.1479E+00
3	-.5405E-01	-.2582E+00	.2795E-01
4	.8386E-01	-.5280E-01	-.1153E-01
5	-.7926E-01	.6634E-01	-.1116E-01

SPECTRUM TABLE (LUMPED MASS SYSTEM FOR HOVGGAARD BEND - BENCHMARK PROB. NO. 1)

NUMBER OF POINTS = 11

SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.2000E-02	.1449E+03
2	.2900E-01	.3798E+03
3	.5800E-01	.7747E+03
4	.7100E-01	.7747E+03
5	.9100E-01	.4397E+03
6	.1140E+00	.1188E+04
7	.1410E+00	.1188E+04
8	.1720E+00	.6998E+03
9	.2000E+00	.8709E+03
10	.2500E+00	.8709E+03
11	.3230E+00	.3999E+03

0.70

NODE DISPLACEMENTS / ROTATIONS





NODE		MODE	TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
NUMBER	NUMBER							
SAP	TMR							
13	11	1	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.
MAXIMUM VALUE			0.	0.	0.	0.	0.	0.
ABSOLUTE SUM			0.	0.	0.	0.	0.	0.
SQRT.SUM OF SQ			0.	0.	0.	0.	0.	0.
CLSLY SP MODES			0.	0.	0.	0.	0.	0.
12	10	1	.72230E-03	-.24655E-03	-.49667E-05	-.23167E-04	-.66641E-04	-.52094E-05
		2	.44105E-03	.19910E-05	.17542E-05	.14625E-06	-.36346E-04	-.29994E-07
		3	.17447E-04	-.11877E-03	-.10039E-06	-.10125E-04	-.14917E-05	.29331E-06
		4	.13279E-04	-.64809E-05	.35658E-06	-.49151E-06	-.96735E-06	.16574E-06
		5	.63686E-05	.14539E-04	-.71035E-08	.11635E-05	-.50122E-06	.31607E-06
MAXIMUM VALUE			.72230E-03	.24655E-03	.49667E-05	.23167E-04	.66641E-04	.52094E-05
ABSOLUTE SUM			.12004E-02	.38833E-03	.71849E-05	.35089E-04	.10595E-03	.60145E-05
SQRT.SUM OF SQ			.84662E-03	.27414E-03	.52804E-05	.25314E-04	.75931E-04	.52299E-05
CLSLY SP MODES			.84662E-03	.27414E-03	.52804E-05	.25314E-04	.75931E-04	.52299E-05
11	9	1	.26836E-02	-.93794E-03	-.99243E-05	-.43548E-04	-.12130E-03	-.10410E-04
		2	.14119E-02	.54414E-05	.35048E-05	.14370E-06	-.52013E-04	-.59935E-07
		3	.58709E-04	-.39798E-03	-.20054E-05	-.15785E-04	-.23428E-05	.58611E-06
		4	.35997E-04	-.18530E-04	.71186E-06	-.55870E-06	-.95222E-06	.33119E-06
		5	.19238E-04	.44915E-04	-.14177E-07	.15897E-05	-.65362E-06	.63158E-06
MAXIMUM VALUE			.26836E-02	.93794E-03	.99243E-05	.43548E-04	.12130E-03	.10410E-04
ABSOLUTE SUM			.42094E-02	.14048E-02	.14356E-04	.61625E-04	.17726E-03	.12018E-04
SQRT.SUM OF SQ			.30332E-02	.10200E-02	.10551E-04	.46351E-04	.13201E-03	.10451E-04
CLSLY SP MODES			.30332E-02	.10200E-02	.10551E-04	.46351E-04	.13201E-03	.10451E-04
13	81	1	.75145E-02	-.26033E-02	-.22691E-02	-.93864E-04	-.24741E-03	-.11833E-04
		2	.26919E-02	.45758E-05	-.47996E-03	-.35927E-06	-.32744E-04	.38753E-07
		3	.13209E-03	-.89660E-03	-.31778E-04	-.19681E-04	-.28966E-05	.48688E-07
		4	.34232E-04	-.28644E-04	.70131E-05	.30737E-06	.13989E-05	.32787E-06
		5	.33618E-04	.74247E-04	-.53107E-05	.12832E-05	-.33136E-06	.12744E-05
MAXIMUM VALUE			.75145E-02	.26033E-02	.22691E-02	.93864E-04	.24741E-03	.11833E-04
ABSOLUTE SUM			.10406E-01	.36074E-02	.27932E-02	.11549E-03	.28478E-03	.13523E-04
SQRT.SUM OF SQ			.79834E-02	.27545E-02	.23195E-02	.95915E-04	.24959E-03	.11906E-04
CLSLY SP MODES			.79834E-02	.27545E-02	.23195E-02	.95915E-04	.24959E-03	.11906E-04
9	8	1	.75235E-02	-.26062E-02	-.22781E-02	-.93912E-04	-.24748E-03	-.11854E-04
		2	.26931E-02	.45620E-05	-.48116E-03	-.35997E-06	-.32706E-04	.38803E-07
		3	.13219E-03	-.89732E-03	-.31884E-04	-.19679E-04	-.28961E-05	.44626E-07
		4	.34181E-04	-.28646E-04	.70651E-05	.30859E-06	.14007E-05	.32802E-06
		5	.33630E-04	.74248E-04	-.53229E-05	.12828E-05	-.33090E-06	.12754E-05
MAXIMUM VALUE			.75235E-02	.26062E-02	.22781E-02	.93912E-04	.24748E-03	.11854E-04
ABSOLUTE SUM			.10417E-01	.36110E-02	.28035E-02	.11554E-03	.28481E-03	.13541E-04
SQRT.SUM OF SQ			.79922E-02	.27575E-02	.23286E-02	.95932E-04	.24965E-03	.11927E-04
CLSLY SP MODES			.79922E-02	.27575E-02	.23286E-02	.95932E-04	.24965E-03	.11927E-04
8	7	1	.10408E-01	-.33058E-02	-.94523E-02	-.12233E-03	-.29245E-03	-.24167E-04
		2	.28514E-02	-.88877E-05	-.56386E-03	-.10236E-05	.23622E-04	.58154E-06
		3	.15906E-03	-.99818E-03	-.88810E-04	-.15810E-04	-.12943E-05	-.88500E-05
		4	.13094E-04	-.23525E-04	.62948E-04	.13835E-05	.21283E-05	-.18577E-06
		5	.35096E-04	.40483E-04	-.64606E-05	.87459E-06	.18724E-06	.20634E-05



MAXIMUM VALUE	.10409E-01	.33058E-02	.94523E-03	.12297E-03	.29267E-03	.2467E-04
ABSOLUTE SUM	.13466E-01	.43769E-02	.10174E-01	.14207E-03	.31969E-03	.35848E-04
SQRT.SUM OF SQ	.10792E-01	.34536E-02	.94698E-02	.12307E-03	.29342E-03	.25826E-04
CLSLY SP MODES	.10792E-01	.34536E-02	.94698E-02	.12307E-03	.29342E-03	.25826E-04

7	6	1	.10409E-01	-.28143E-02	-.14664E-01	-.13986E-03	-.28880E-03	-.31288E-04
		2	.28551E-02	-.21117E-04	-.22822E-04	-.13980E-05	.35219E-04	.83249E-06
		3	.15904E-03	-.80914E-03	-.10615E-03	-.13831E-04	-.63098E-06	-.12284E-04
		4	.13207E-04	-.18828E-04	-.96893E-04	.19925E-05	.14885E-05	-.33314E-06
		5	.34992E-04	.33203E-05	-.20740E-05	.76551E-06	.28604E-06	.19460E-05

MAXIMUM VALUE	.10409E-01	.28143E-02	.14664E-01	.13986E-03	.28880E-03	.31288E-04
ABSOLUTE SUM	.13472E-01	.36667E-02	.14892E-01	.15785E-03	.32642E-03	.46683E-04
SQRT.SUM OF SQ	.10795E-01	.29284E-02	.14665E-01	.14057E-03	.29094E-03	.33681E-04
CLSLY SP MODES	.10795E-01	.29284E-02	.14665E-01	.14057E-03	.29094E-03	.33681E-04

6	5	1	.10410E-01	-.21895E-02	-.19725E-01	-.15679E-03	-.27636E-03	-.38944E-04
		2	.28581E-02	-.38833E-04	.67955E-03	-.17663E-05	.41724E-04	.12024E-05
		3	.15894E-03	-.56220E-03	-.11133E-03	-.11862E-04	.16744E-07	-.14937E-04
		4	.13301E-04	-.11793E-04	.11525E-03	.25556E-05	.52773E-06	-.41947E-06
		5	.34822E-04	-.27841E-04	.36016E-05	.65642E-06	.32771E-06	.13831E-05

MAXIMUM VALUE	.10410E-01	.21895E-02	.19725E-01	.15679E-03	.27636E-03	.38944E-04
ABSOLUTE SUM	.13476E-01	.28301E-02	.20634E-01	.17357E-03	.31896E-03	.56887E-04
SQRT.SUM OF SQ	.10797E-01	.22610E-02	.19737E-01	.15727E-03	.27949E-03	.41753E-04
CLSLY SP MODES	.10797E-01	.22610E-02	.19737E-01	.15727E-03	.27949E-03	.41753E-04

5	41	1	.97917E-02	-.83505E-03	-.24053E-01	-.19981E-03	-.20497E-03	-.68447E-04
		2	.28707E-02	-.69732E-04	.18535E-02	.16967E-06	.43439E-04	-.14818E-05
		3	-.17239E-04	-.13785E-03	.57217E-05	-.82772E-05	.53043E-06	-.15304E-04
		4	.98012E-05	-.19610E-05	.55810E-04	.37237E-05	-.19057E-05	-.24100E-06
		5	.26693E-04	-.24916E-04	.63568E-05	.48973E-06	.30856E-06	-.17491E-05

MAXIMUM VALUE	.97917E-02	.83505E-03	.24053E-01	.19981E-03	.20497E-03	.68447E-04
ABSOLUTE SUM	.12716E-01	.10695E-02	.25975E-01	.21277E-03	.25116E-03	.87223E-04
SQRT.SUM OF SQ	.10204E-01	.84959E-03	.24125E-01	.20091E-03	.20954E-03	.70175E-04
CLSLY SP MODES	.10204E-01	.84959E-03	.24125E-01	.20091E-03	.20954E-03	.70175E-04

4	4	1	.97892E-02	-.83259E-03	-.24053E-01	-.19935E-03	-.20491E-03	-.68470E-04
		2	.28707E-02	-.69691E-04	.18551E-02	.17653E-06	.43431E-04	-.14906E-05
		3	-.17797E-04	-.13729E-03	.60402E-05	-.82715E-05	.53178E-06	-.15299E-04
		4	.97928E-05	-.19523E-05	.55605E-04	.37241E-05	-.19066E-05	-.24077E-06
		5	.26628E-04	-.24852E-04	.63504E-05	.48951E-06	.30839E-06	-.17511E-05

MAXIMUM VALUE	.97892E-02	.83259E-03	.24053E-01	.19935E-03	.20491E-03	.68470E-04
ABSOLUTE SUM	.12714E-01	.10664E-02	.25977E-01	.21231E-03	.25109E-03	.87252E-04
SQRT.SUM OF SQ	.10202E-01	.84707E-03	.24125E-01	.20095E-03	.20947E-03	.70197E-04
CLSLY SP MODES	.10202E-01	.84707E-03	.24125E-01	.20095E-03	.20947E-03	.70197E-04

3	3	1	.76567E-02	-.85764E-06	-.20081E-01	-.25412E-03	-.15084E-03	-.94309E-04
		2	.26125E-02	-.49207E-06	.20878E-02	.16797E-04	.32975E-04	-.21136E-04
		3	-.27458E-03	-.56891E-05	.14124E-03	-.18535E-05	-.22096E-06	-.36230E-05
		4	.75538E-05	-.39165E-06	-.53382E-04	.21848E-05	-.17174E-05	-.17592E-07
		5	-.35853E-04	.89828E-07	-.39157E-06	.25258E-06	.25852E-06	-.20421E-05

MAXIMUM VALUE	.76567E-02	.56891E-05	.20081E-01	.25412E-03	.15084E-03	.94309E-04
ABSOLUTE SUM	.10587E-01	.75203E-05	.22363E-01	.27521E-03	.18601E-03	.12113E-03
SQRT.SUM OF SQ	.80948E-02	.57884E-05	.20189E-01	.25459E-03	.15441E-03	.96738E-04
CLSLY SP MODES	.80948E-02	.57884E-05	.20189E-01	.25459E-03	.15441E-03	.96738E-04

2	2	1	.25779E-02	-.42908E-06	-.66674E-02	-.21044E-03	-.75446E-04	-.80825E-04
		2	.10692E-02	-.24637E-06	.85580E-03	.24035E-04	.16493E-04	-.30073E-04
		3	-.20745E-03	-.28518E-05	.10653E-03	.23033E-05	-.11052E-06	.44833E-05
		4	.50703E-05	-.19721E-06	-.80867E-04	-.12038E-05	-.85896E-06	-.96774E-07
		5	-.76098E-04	.45331E-07	-.60490E-05	-.62311E-07	.12930E-06	.93955E-06

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MAXIMUM VALUE	.25779E-02	.28518E-05	.65674E-02	.2104E-03	.7546E-04	.8025E-04
ABSOLUTE SUM	.39357E-02	.37698E-05	.77166E-02	.2380E-03	.93038E-04	.11642E-03
SQRT. SUM OF SQ	.27996E-02	.29015E-05	.67234E-02	.211E-03	.77233E-04	.86360E-04
CLSLY SP MODES	.27996E-02	.29015E-05	.67234E-02	.211E-03	.77233E-04	.86360E-04

1	1	1	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SQRT. SUM OF SQ	0.	0.	0.	0.	0.	0.
CLSLY SP MODES	0.	0.	0.	0.	0.	0.

023.



SQUARE ROOT OF THE SUM OF THE SQUARES OF THE MODAL STRESSES  
(FOR ALL ELEMENTS)

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 1)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.1009E+01	-.4903E+02	.1973E+02	-.8481E+03	-.1718E+04	-.4410E+04	-.1009E+01	-.4903E+02	.1973E+02	-.8481E+03	-.6440E+03	-.1740E+04
-.5793E+00	.1050E+02	.1309E+02	.1854E+03	-.7950E+03	.6375E+03	-.5793E+00	.1050E+02	.1309E+02	.1854E+03	-.8296E+02	.6553E+02
-.6706E+01	.2292E+01	-.4465E+01	-.1242E+01	.1871E+03	.9606E+02	-.6706E+01	.2292E+01	-.4465E+01	-.1242E+01	-.5607E+02	-.2874E+02
-.4637E+00	-.2512E+01	.1274E+00	-.9656E+01	-.4882E+01	-.8603E+02	-.4637E+00	-.2512E+01	.1274E+00	-.9656E+01	.2054E+01	.5079E+02
.1066E+00	-.2276E+00	-.2642E+01	.1454E+01	.8567E+02	-.7109E+01	.1066E+00	-.2276E+00	-.2642E+01	.1454E+01	-.5821E+02	.5288E+01

SQUARE ROOT SUM OF THE SQUARES

.6823E+01	.5026E+02	.2424E+02	.8682E+03	.1905E+04	.4458E+04	.6823E+01	.5026E+02	.2424E+02	.8682E+03	.6543E+03	.1742E+04
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CLOSELY SPACED MODE SUMMATION METHOD

.6823E+01	.5026E+02	.2424E+02	.8682E+03	.1905E+04	.4458E+04	.6823E+01	.5026E+02	.2424E+02	.8682E+03	.6543E+03	.1742E+04
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ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 2)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.1008E+01	-.4048E+02	.1642E+02	-.8481E+03	-.6440E+03	-.1740E+04	-.1008E+01	-.4048E+02	.1642E+02	-.8481E+03	.2496E+03	.4628E+03
-.5781E+00	.6309E+01	.7852E+01	.1854E+03	-.8296E+02	.6553E+02	-.5781E+00	.6309E+01	.7852E+01	.1854E+03	.3444E+03	-.2778E+03
-.6676E+01	.1178E+01	-.2296E+01	-.1242E+01	-.5607E+02	-.2874E+02	-.6676E+01	.1178E+01	-.2296E+01	-.1242E+01	-.1810E+03	-.9284E+02
-.4575E+00	.4427E-01	-.3293E-01	-.9656E+01	.2054E+01	.5079E+02	-.4575E+00	.4427E-01	-.3293E-01	-.9656E+01	.2619E+00	.4838E+02
.1047E+00	.2505E-01	.5368E+00	.1454E+01	-.5821E+02	.5288E+01	.1047E+00	.2505E-01	.5368E+00	.1454E+01	-.2900E+02	.3924E+01

SQUARE ROOT SUM OF THE SQUARES

.6793E+01	.4099E+02	.1835E+02	.8682E+03	.6543E+03	.1742E+04	.6793E+01	.4099E+02	.1835E+02	.8682E+03	.4632E+03	.5498E+03
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CLOSELY SPACED MODE SUMMATION METHOD

.6793E+01	.4099E+02	.1835E+02	.8682E+03	.6543E+03	.1742E+04	.6793E+01	.4099E+02	.1835E+02	.8682E+03	.4632E+03	.5498E+03
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ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 3)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
-.1007E+01	.4042E+01	.8016E+01	-.8481E+03	.4628E+03	-.2496E+03	.6166E+00	.4120E+01	.8016E+01	-.5843E+03	.8635E+03	-.3086E+03
-.5751E+00	-.8293E+01	.6595E+01	.1854E+03	-.2778E+03	-.3444E+03	-.3705E+01	-.7442E+01	.6595E+01	.8321E+02	-.2360E+03	-.2308E+03
-.6601E+01	.1325E+01	.6842E+00	-.1242E+01	-.9284E+02	.1810E+03	-.5591E+01	.3751E+01	.6842E+00	-.3479E+02	-.7579E+02	.1444E+03
-.4419E+00	-.3340E+00	-.2172E+01	-.9656E+01	.4838E+02	-.2619E+00	-.5361E+00	-.1395E+00	-.2172E+01	.3591E+01	.1822E+02	.3157E+01
.9997E-01	.2425E+01	-.4567E-01	.1454E+01	.3924E+01	.2900E+02	.1020E+01	.2202E+01	-.4567E-01	.2718E+01	.2435E+01	-.4413E+01

SQUARE ROOT SUM OF THE SQUARES

.6718E+01	.9637E+01	.1063E+02	.8682E+03	.5498E+03	.4632E+03	.6834E+01	.9555E+01	.1063E+02	.5912E+03	.8986E+03	.4115E+03
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CLOSELY SPACED MODE SUMMATION METHOD

.6718E+01	.9637E+01	.1063E+02	.8682E+03	.5498E+03	.4632E+03	.6834E+01	.9555E+01	.1063E+02	.5912E+03	.8986E+03	.4115E+03
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ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 3)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.2146E+01	.3570E+01	.8016E+01	-.1872E+03	.1133E+04	-.3641E+03
-.6271E+01	-.5458E+01	.6595E+01	.4787E+01	-.1583E+03	-.1376E+03
-.3731E+01	.5605E+01	.6842E+00	-.5925E+02	-.4721E+02	.7682E+02
-.5486E+00	.7630E-01	-.2172E+01	.4289E+01	-.1471E+02	.3613E+02
.1785E+01	.1644E+01	-.4567E-01	.3317E+01	.5749E+00	-.3218E+02

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SQUARE ROOT SUM OF THE SQUARES

.7832E+01 .8755E+01 .1063E+02 .1965E+03 .1145E+04 .3981E+03  
CLOSELY SPACED MODE SUMMATION METHOD  
.7832E+01 .8755E+01 .1063E+02 .1965E+03 .1145E+04 .3981E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 4 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.2108E+01	.1475E+01	.8142E+01	-.1872E+03	-.1133E+04	.3641E+03	-.2108E+01	.1475E+01	.8142E+01	-.1872E+03	-.1132E+04	.3640E+03
-.1136E+02	.1080E+02	-.1136E+02	.4787E+01	.1583E+03	.1376E+03	-.1136E+02	.1080E+02	-.1136E+02	.4787E+01	.1577E+03	.1371E+03
-.3130E+01	-.5142E+01	-.7173E+00	-.5925E+02	.4721E+02	-.7682E+02	-.3130E+01	-.5142E+01	-.7173E+00	-.5925E+02	.4717E+02	-.7656E+02
-.6404E+00	.6124E-01	.1251E+01	.4289E+01	.1471E+02	-.3613E+01	-.6404E+00	.6124E-01	.1251E+01	.4289E+01	.1478E+02	-.3616E+01
.1758E+01	-.8474E+00	-.9329E-01	.3317E+01	-.5749E+00	.3218E+02	.1758E+01	-.8474E+00	-.9329E-01	.3317E+01	-.5796E+00	.3223E+02

SQUARE ROOT SUM OF THE SQUARES

.1211E+02 .1208E+02 .1405E+02 .1965E+03 .1145E+04 .3981E+03 .1211E+02 .1208E+02 .1405E+02 .1965E+03 .1144E+04 .3978E+03  
CLOSELY SPACED MODE SUMMATION METHOD  
.1211E+02 .1208E+02 .1405E+02 .1965E+03 .1145E+04 .3981E+03 .1211E+02 .1208E+02 .1405E+02 .1965E+03 .1144E+04 .3978E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 5 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
-.2108E+01	-.1475E+01	-.8142E+01	-.1872E+03	.1132E+04	-.3640E+03	-.2512E+01	-.5561E+00	-.8142E+01	.2379E+03	.1005E+04	-.3494E+03
-.1136E+02	-.1080E+02	.1136E+02	.4787E+01	-.1577E+03	-.1371E+03	-.1462E+02	-.5629E+01	.1136E+02	-.2453E+02	.1028E+02	-.1846E+02
-.3130E+01	.5142E+01	.7173E+00	-.5925E+02	-.4717E+02	.7656E+02	-.9239E+00	.5948E+01	.7173E+00	-.7081E+02	-.1094E+02	-.3522E+01
-.6404E+00	-.6124E-01	-.1251E+01	.4289E+01	-.1478E+02	.3616E+01	-.6151E+00	.1885E+00	-.1251E+01	-.5149E+01	-.3267E+02	.2697E+01
.1758E+01	.8474E+00	.9329E-01	.3317E+01	.5796E+00	-.3223E+02	.1948E+01	.1102E+00	.9329E-01	.3544E+01	.5620E+00	-.3914E+02

SQUARE ROOT SUM OF THE SQUARES

.1211E+02 .1208E+02 .1405E+02 .1965E+03 .1144E+04 .3978E+03 .1501E+02 .8211E+01 .1405E+02 .2495E+03 .1005E+04 .3521E+03  
CLOSELY SPACED MODE SUMMATION METHOD  
.1211E+02 .1208E+02 .1405E+02 .1965E+03 .1144E+04 .3978E+03 .1501E+02 .8211E+01 .1405E+02 .2495E+03 .1005E+04 .3521E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 5 )

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.2534E+01	.4477E+00	-.8142E+01	.5817E+03	.7241E+03	-.3486E+03
-.1567E+02	.3961E+00	.1136E+02	.1265E+02	.1767E+03	.1932E+02
.1423E+01	.5849E+01	.7173E+00	-.6763E+02	.2695E+02	-.8870E+02
-.4962E+00	.4095E+00	-.1251E+01	-.2072E+02	-.4559E+02	-.1621E+01
.1842E+01	-.6438E+00	.9329E-01	.3747E+01	.4587E+00	-.3529E+02

SQUARE ROOT SUM OF THE SQUARES

.1605E+02 .5929E+01 .1405E+02 .5861E+03 .7472E+03 .3619E+03  
CLOSELY SPACED MODE SUMMATION METHOD  
.1605E+02 .5929E+01 .1405E+02 .5861E+03 .7472E+03 .3619E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 6 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.8223E+01	.7487E+00	.1892E+02	.5817E+03	-.7241E+03	.3486E+03	-.8223E+01	.7487E+00	.1892E+02	.5817E+03	-.3869E+03	.3352E+03
-.2163E+02	-.3150E+00	-.1278E+02	.1265E+02	-.1767E+03	-.1932E+02	-.2163E+02	-.3150E+00	-.1278E+02	.1265E+02	-.4044E+03	-.1371E+02
.7145E+00	-.3344E+01	-.2212E+00	-.6763E+02	-.2695E+02	.8870E+02	.7145E+00	-.3344E+01	-.2212E+00	-.6763E+02	-.3090E+02	.1483E+03
-.6753E+00	-.2507E+00	-.3015E+00	-.2072E+02	.4559E+02	.1621E+01	-.6753E+00	-.2507E+00	-.3015E+00	-.2072E+02	.4022E+02	.6089E+01



.1222E+01 .139E+01 .154E+00 .3747E+01 .4587E+00 .3529E+02 .1222E+01 .139E+01 .174E+00 .374E+01 .3263E+01 .1499E+02  
 SQUARE ROOT SUM OF THE SQUARES  
 .2320E+02 .3634E+01 .2283E+02 .5861E+03 .7472E+03 .3619E+03 .2320E+02 .3634E+01 .2283E+02 .5861E+03 .5619E+03 .3672E+03  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .2320E+02 .3634E+01 .2283E+02 .5861E+03 .7472E+03 .3619E+03 .2320E+02 .3634E+01 .2283E+02 .5861E+03 .5619E+03 .3672E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 7)

PX(I)	VY(I)	VZ(I)	TX(I)	HY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	HY(J)	MZ(J)
-.1261E+02	.1934E+01	.2510E+02	.5817E+03	-.3869E+03	.3352E+03	-.1261E+02	.1934E+01	.2510E+02	.5817E+03	.6030E+02	.3008E+03
-.2623E+02	-.2810E+00	-.1274E+02	.1265E+02	-.4044E+03	-.1371E+02	-.2623E+02	-.2810E+00	-.1274E+02	.1265E+02	-.6314E+03	-.8703E+01
.1685E+00	-.5659E+00	.1432E+00	-.6763E+02	-.3090E+02	.1483E+03	.1685E+00	-.5659E+00	.1432E+00	-.6763E+02	-.2835E+02	.1584E+03
-.8124E+00	-.5527E-01	-.1307E+01	-.2072E+02	.4022E+02	.6089E+01	-.8124E+00	-.5527E-01	-.1307E+01	-.2072E+02	.1692E+02	.7074E+01
.7425E+00	.1094E+01	-.1289E+00	.3747E+01	-.3263E+01	.1499E+02	.7425E+00	.1094E+01	-.1289E+00	.3747E+01	-.5561E+01	-.4503E+01

SQUARE ROOT SUM OF THE SQUARES  
 .2912E+02 .2310E+01 .2818E+02 .5861E+03 .5619E+03 .3672E+03 .2912E+02 .2310E+01 .2818E+02 .5861E+03 .6352E+03 .3402E+03  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .2912E+02 .2310E+01 .2818E+02 .5861E+03 .5619E+03 .3672E+03 .2912E+02 .2310E+01 .2818E+02 .5861E+03 .6352E+03 .3402E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 8)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
-.1829E+02	.3026E+02	-.3740E+01	.5817E+03	.3008E+03	-.6030E+02	-.5320E+01	.3496E+02	-.3740E+01	.6422E+03	.3320E+01	-.5312E+03
-.3219E+02	-.1156E+02	.2625E+00	.1265E+02	-.8703E+01	.6314E+03	-.3416E+02	.1634E+01	.2625E+00	.9085E+01	-.9237E+01	.7031E+03
-.5402E+00	.5389E+00	-.3882E+01	-.6763E+02	.1584E+03	.2835E+02	-.2929E+00	.7047E+00	-.3882E+01	-.1259E+02	.1183E+03	.1937E+02
-.9888E+00	-.2155E+01	-.2616E+00	-.2072E+02	.7074E+01	-.1692E+02	-.1738E+01	-.1613E+01	-.2616E+00	-.1716E+02	.1083E+02	.1028E+02
.1179E+00	-.1396E-01	-.3732E+00	.3747E+01	-.4503E+01	.5561E+01	.1036E+00	-.5801E-01	-.3732E+00	.7074E+00	-.1078E+02	.6081E+01

SQUARE ROOT SUM OF THE SQUARES  
 .3704E+02 .3247E+02 .5416E+01 .5861E+03 .3402E+03 .6352E+03 .3462E+02 .3504E+02 .5416E+01 .6426E+03 .1197E+03 .8815E+03  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .3704E+02 .3247E+02 .5416E+01 .5861E+03 .3402E+03 .6352E+03 .3462E+02 .3504E+02 .5416E+01 .6426E+03 .1197E+03 .8815E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 8)

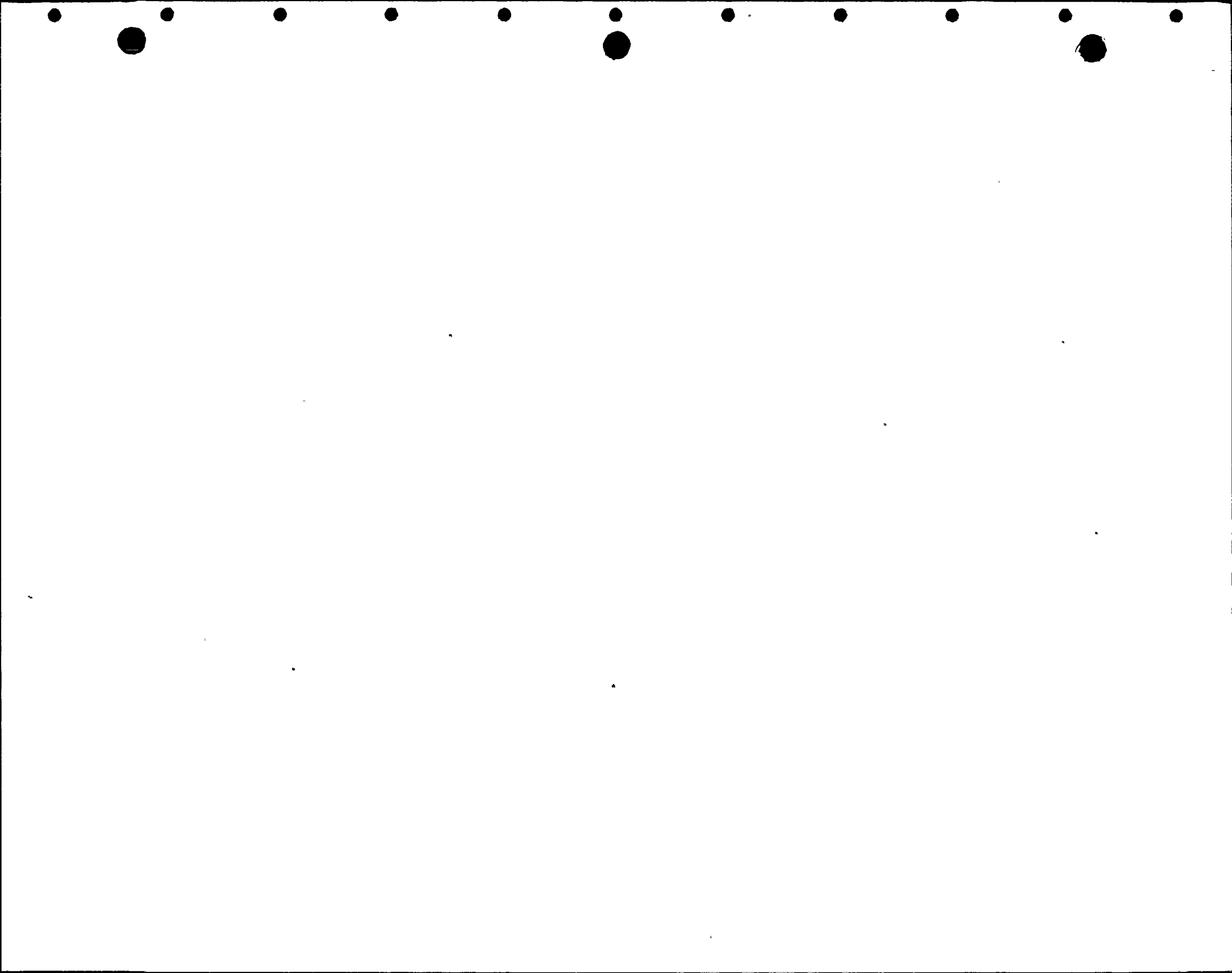
PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.8462E+01	.3433E+02	-.3740E+01	.5843E+03	-.2947E+03	-.1032E+04
-.3094E+02	.1458E+02	.2625E+00	.5584E+01	-.8365E+01	.5860E+03
-.9176E-03	.7631E+00	-.3882E+01	.2290E+02	.6017E+02	.8768E+01
-.2223E+01	-.8247E+00	-.2616E+00	-.1243E+02	.1294E+02	.2788E+02
.7349E-01	-.9323E-01	-.3732E+00	-.4503E+01	-.1541E+02	.7173E+01

SQUARE ROOT SUM OF THE SQUARES  
 .3215E+02 .3732E+02 .5416E+01 .5849E+03 .3015E+03 .1187E+04  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .3215E+02 .3732E+02 .5416E+01 .5849E+03 .3015E+03 .1187E+04

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ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 9)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.7222E+01	.4611E+01	.3665E+02	.5843E+03	.1032E+04	-.2946E+03	.7222E+01	.4611E+01	.3665E+02	.5843E+03	.1033E+04	-.2949E+03
-.3293E+02	-.2683E+00	.1745E+02	.5584E+01	-.5860E+03	-.8365E+01	-.3293E+02	-.2683E+00	.1745E+02	.5584E+01	-.5851E+03	-.8351E+01



.1943E+00	.4328E+01	.1079E+01	.2290E+02	-.8768E+01	.6017E+02	-.1943E+00	.6328E+01	.1079E+01	.2290E+02	-.8713E+01	.5985E+02
-.2463E+01	.4977E+00	-.6667E+00	-.1243E+02	-.2788E+02	.1294E+02	-.2463E+01	.4977E+00	-.6667E+00	-.1243E+02	-.2792E+02	.1291E+02
-.1445E+00	.4352E+00	.2067E+00	-.4503E+01	-.7173E+01	-.1541E+01	-.1445E+00	-.4352E+00	.2067E+00	-.4503E+01	-.7162E+01	.1539E+02

SQUARE ROOT SUM OF THE SQUARES

.3381E+02	.7862E+01	.4061E+02	.5849E+03	.1187E+04	.3015E+03	.3381E+02	.7862E+01	.4061E+02	.5849E+03	.1188E+04	.3017E+03
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CLOSELY SPACED MODE SUMMATION METHOD

.3381E+02	.7862E+01	.4061E+02	.5849E+03	.1187E+04	.3015E+03	.3381E+02	.7862E+01	.4061E+02	.5849E+03	.1188E+04	.3017E+03
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ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 10)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
.7222E+01	.3665E+02	-.4611E+01	.5843E+03	-.2949E+03	-.1033E+04	.2070E+02	.3110E+02	-.4611E+01	.4142E+03	-.5601E+03	-.1523E+04
-.3293E+02	.1745E+02	.2683E+00	.5584E+01	-.8351E+01	.5851E+03	-.2375E+02	.2873E+02	.2683E+00	.2704E+01	-.6125E+01	.2517E+03
-.1943E+00	.1079E+01	-.6328E+01	.2290E+02	.5985E+02	.8713E+01	.2336E+00	.1072E+01	-.6328E+01	.2658E+02	-.4137E+02	-.6818E+01
-.2463E+01	-.6667E+00	-.4977E+00	-.1243E+02	.1291E+02	.2792E+02	-.2531E+01	.3268E+00	-.4977E+00	-.7917E+01	.9770E+01	.3037E+02
-.1445E+00	.2067E+00	.4352E+00	-.4503E+01	-.1539E+02	.7162E+01	-.5437E-01	.2462E+00	.4352E+00	-.8847E+01	-.6451E+01	.3892E+01

SQUARE ROOT SUM OF THE SQUARES

.3381E+02	.4061E+02	.7862E+01	.5849E+03	.3017E+03	.1188E+04	.3161E+02	.4235E+02	.7862E+01	.4152E+03	.5618E+03	.1544E+04
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CLOSELY SPACED MODE SUMMATION METHOD

.3381E+02	.4061E+02	.7862E+01	.5849E+03	.3017E+03	.1188E+04	.3161E+02	.4235E+02	.7862E+01	.4152E+03	.5618E+03	.1544E+04
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ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 10)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.3102E+02	.2081E+02	-.4611E+01	.1556E+03	-.7400E+03	-.1897E+04
-.1095E+02	.3563E+02	.2683E+00	.8958E+00	-.2967E+01	-.2130E+03
.6259E+00	.9006E+00	-.6328E+01	-.8760E+01	-.1363E+03	-.2106E+02
-.2213E+01	.1270E+01	-.4977E+00	-.4950E+01	.5143E+01	.1884E+02
.4400E-01	.2483E+00	.4352E+00	-.9440E+01	.3472E+01	.3212E+00

SQUARE ROOT SUM OF THE SQUARES

.3298E+02	.4129E+02	.7862E+01	.1562E+03	.7525E+03	.1909E+04
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CLOSELY SPACED MODE SUMMATION METHOD

.3298E+02	.4129E+02	.7862E+01	.1562E+03	.7525E+03	.1909E+04
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ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 11)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.3103E+02	.5154E+01	.2236E+02	.1556E+03	.1897E+04	-.7400E+03	.3103E+02	.5154E+01	.2236E+02	.1556E+03	.2355E+04	-.8455E+03
-.1096E+02	-.2803E+00	.3875E+02	.8958E+00	.2130E+03	-.2967E+01	-.1096E+02	-.2803E+00	.3875E+02	.8958E+00	.1006E+04	.2768E+01
.6268E+00	.8205E+01	.1178E+01	-.8760E+01	.2106E+02	-.1363E+03	.6268E+00	.8205E+01	.1178E+01	-.8760E+01	.4515E+02	-.3042E+03
-.2224E+01	.7620E+00	.1784E+01	-.4950E+01	-.1884E+02	.5143E+01	-.2224E+01	.7620E+00	.1784E+01	-.4950E+01	.1766E+02	-.1045E+02
.4427E-01	-.1282E+01	.6108E+00	-.9440E+01	-.3212E+00	.3472E+01	.4427E-01	-.1282E+01	.6108E+00	-.9440E+01	.1218E+02	.2969E+02

SQUARE ROOT SUM OF THE SQUARES

.3299E+02	.9808E+01	.4479E+02	.1562E+03	.1909E+04	.7525E+03	.3299E+02	.9808E+01	.4479E+02	.1562E+03	.2561E+04	.8991E+03
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CLOSELY SPACED MODE SUMMATION METHOD

.3299E+02	.9808E+01	.4479E+02	.1562E+03	.1909E+04	.7525E+03	.3299E+02	.9808E+01	.4479E+02	.1562E+03	.2561E+04	.8991E+03
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ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 12)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
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3103E+02	273E+01	231E+02	155E+03	2355E+01	-8455E+03	3103E+02	5273E+01	2071E+02	155E+03	2820E+04	-9535E+01
1096E+02	-2840E+00	3956E+02	8958E+00	1006E+04	2768E+01	-1096E+02	-2840E+00	3956E+02	8958E+00	1817E+04	8589E+01
6272E+01	8672E+01	1246E+01	-8760E+01	4515E+02	-3042E+01	6272E+00	8672E+01	1246E+01	-8760E+01	7069E+02	819E+03
2228E+01	8390E+00	1942E+01	-4950E+01	1766E+02	-1045E+01	2228E+01	8390E+00	1942E+01	-4950E+01	5746E+02	2764E+02
4438E+01	-1510E+01	7108E+00	-9440E+01	1218E+02	2969E+02	4438E+01	-1510E+01	7108E+00	-9440E+01	2675E+02	6064E+02

SQUARE ROOT SUM OF THE SQUARES

3299E+02	1030E+02	4568E+02	1562E+03	2561E+04	8991E+03	3299E+02	1030E+02	4568E+02	1562E+03	3356E+04	1071E+04
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CLOSELY SPACED MODE SUMMATION METHOD

3299E+02	1030E+02	4568E+02	1562E+03	2561E+04	8991E+03	3299E+02	1030E+02	4568E+02	1562E+03	3356E+04	1071E+04
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AG332E0  
AG332E0  
AG332E0  
AGB32E0  
AGB32E0  
AG332E0  
AG332E0  
AG332E0  
AG332E0  
AGB32E0  
AGB32E0  
AG332E0

### DYNAMIC RESPONSE OF COFFEE TABLE



DYNAMIC RESPONSE OF A COFFEE TABLE (RESPONSE SPECTRUM ANALYSIS)

OPTION	0	0	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000
SHOCK	0	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANCHOR	0	15	0.0000	-6.6667	0.0000	0.0000	0.0000	0.0000
RESTRAINT	0	15	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
ANCHOR	0	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RESTRAINT	0	16	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
ANCHOR	0	17	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RESTRAINT	0	17	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
ANCHOR	0	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RESTRAINT	0	18	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
JUNCTION	0	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JUNCTION	0	7	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JUNCTION	0	10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JUNCTION	0	12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INERTIA	0	1	17.2721	17.2721	17.2721	0.0000	0.0000	0.0000
INERTIA	0	2	17.2721	17.2721	17.2721	0.0000	0.0000	0.0000
INERTIA	0	3	17.2721	17.2721	17.2721	0.0000	0.0000	0.0000
INERTIA	0	4	17.2721	17.2721	17.2721	0.0000	0.0000	0.0000
INERTIA	0	5	16.7195	16.7195	16.7195	0.0000	0.0000	0.0000
INERTIA	0	6	3.4544	3.4544	3.4544	0.0000	0.0000	0.0000
INERTIA	0	7	16.7195	16.7195	16.7195	0.0000	0.0000	0.0000
INERTIA	0	8	3.4544	3.4544	3.4544	0.0000	0.0000	0.0000
INERTIA	0	9	3.4544	3.4544	3.4544	0.0000	0.0000	0.0000
INERTIA	0	10	16.7195	16.7195	16.7195	0.0000	0.0000	0.0000
INERTIA	0	11	3.4544	3.4544	3.4544	0.0000	0.0000	0.0000
INERTIA	0	12	16.7195	16.7195	16.7195	0.0000	0.0000	0.0000
INERTIA	0	13	3.4544	3.4544	3.4544	0.0000	0.0000	0.0000
INERTIA	0	14	3.4544	3.4544	3.4544	0.0000	0.0000	0.0000







# DYNAMIC RESPONSE OF A COFFEE TABLE (RESPONSE SPECTRUM ANALYSIS)

## CONTROL INFORMATION

NUMBER OF NODAL POINTS = 18  
 NUMBER OF ELEMENT TYPES = 1  
 NUMBER OF LOAD CASES = 0  
 NUMBER OF FREQUENCIES = 5  
 ANALYSIS CODE (NDYN) = 1  
 EQ.0, STATIC  
 EQ.1, MODAL EXTRACTION  
 EQ.2, FORCED RESPONSE  
 EQ.3, RESPONSE SPECTRUM  
 EQ.4, DIRECT INTEGRATION  
 SOLUTION MODE (MODEX) = 0  
 EQ.0, EXECUTION  
 EQ.1, DATA CHECK  
 NUMBER OF SUBSPACE  
 ITERATION VECTORS (NAD) = 0  
 EQUATIONS PER BLOCK = 0  
 TAPEIO-SAVE-FLAG (N10SV) = 0

## NODAL POINT INPUT DATA

NODES		BOUNDARY CONDITION CODES							NODAL POINT COORDINATES				
SAP	THR	X	Y	Z	XX	YY	ZZ		X	Y	Z	T	
1	15	1	1	1	1	1	1	1	0.000	-80.000	0.000	0	0.000
2	1	0	0	0	0	0	0	0	0.000	-29.996	0.000	0	0.000
3	7	0	0	0	0	0	0	0	0.000	18.628	0.000	0	0.000
4	6	0	0	0	0	0	0	0	0.000	18.628	8.626	0	0.000
5	5	0	0	0	0	0	0	0	0.000	18.628	17.251	0	0.000
6	4	0	0	0	0	0	0	0	0.000	-29.996	17.251	0	0.000
7	18	1	1	1	1	1	1	1	0.000	-80.000	17.251	0	0.000
8	14	0	0	0	0	0	0	0	8.626	18.628	17.251	0	0.000
9	13	0	0	0	0	0	0	0	18.626	18.628	17.251	0	0.000
10	12	0	0	0	0	0	0	0	27.251	18.628	17.251	0	0.000
11	3	0	0	0	0	0	0	0	27.251	-29.996	17.251	0	0.000
12	17	1	1	1	1	1	1	1	27.251	-80.000	17.251	0	0.000
13	11	0	0	0	0	0	0	0	27.251	18.628	8.626	0	0.000
14	10	0	0	0	0	0	0	0	27.251	18.628	0.000	0	0.000
15	2	0	0	0	0	0	0	0	27.251	-29.996	0.000	0	0.000
16	16	1	1	1	1	1	1	1	27.251	-80.000	0.000	0	0.000
17	9	0	0	0	0	0	0	0	18.626	18.628	0.000	0	0.000
18	8	0	0	0	0	0	0	0	8.626	18.628	0.000	0	0.000

## GENERATED NODAL DATA

NODES		BOUNDARY CONDITION CODES							NODAL POINT COORDINATES				
SAP	THR	X	Y	Z	XX	YY	ZZ		X	Y	Z	T	
1	15	1	1	1	1	1	1	1	0.000	-80.000	0.000	0	0.000
2	1	0	0	0	0	0	0	0	0.000	-29.996	0.000	0	0.000
3	7	0	0	0	0	0	0	0	0.000	18.628	0.000	0	0.000
4	6	0	0	0	0	0	0	0	0.000	18.628	8.626	0	0.000
5	5	0	0	0	0	0	0	0	0.000	18.628	17.251	0	0.000
6	4	0	0	0	0	0	0	0	0.000	-29.996	17.251	0	0.000
7	18	1	1	1	1	1	1	1	0.000	-80.000	17.251	0	0.000
8	14	0	0	0	0	0	0	0	8.626	18.628	17.251	0	0.000
9	13	0	0	0	0	0	0	0	18.626	18.628	17.251	0	0.000
10	12	0	0	0	0	0	0	0	27.251	18.628	17.251	0	0.000
11	3	0	0	0	0	0	0	0	27.251	-29.996	17.251	0	0.000
12	17	1	1	1	1	1	1	1	27.251	-80.000	17.251	0	0.000
13	11	0	0	0	0	0	0	0	27.251	18.628	8.626	0	0.000
14	10	0	0	0	0	0	0	0	27.251	18.628	0.000	0	0.000
15	2	0	0	0	0	0	0	0	27.251	-29.996	0.000	0	0.000
16	16	1	1	1	1	1	1	1	27.251	-80.000	0.000	0	0.000
17	9	0	0	0	0	0	0	0	18.626	18.628	0.000	0	0.000





5	18	1	0	0	0	0	0	0	0.000	-29.996	17.251	0.000
9	14	0	0	0	0	0	0	0	8.625	18.628	17.251	0.000
9	13	0	0	0	0	0	0	0	18.625	18.628	17.251	0.000
10	12	0	0	0	0	0	0	0	27.251	18.628	17.251	0.000
11	3	0	0	0	0	0	0	0	27.251	-29.996	17.251	0.000
12	17	1	1	1	1	1	1	1	27.251	-80.000	17.251	0.000
13	11	0	0	0	0	0	0	0	27.251	18.628	8.626	0.000
14	10	0	0	0	0	0	0	0	27.251	18.628	0.000	0.000
15	2	0	0	0	0	0	0	0	27.251	-29.996	0.000	0.000
16	16	1	1	1	1	1	1	1	27.251	-80.000	0.000	0.000
17	9	0	0	0	0	0	0	0	18.625	18.628	0.000	0.000
19	8	0	0	0	0	0	0	0	8.625	18.628	0.000	0.000

# EQUATION NUMBERS

N	X	Y	Z	XX	YY	ZZ
1	0	0	0	0	0	0
2	1	2	3	4	5	6
3	7	8	9	10	11	12
4	13	14	15	16	17	18
5	19	20	21	22	23	24
6	25	26	27	28	29	30
7	0	0	0	0	0	0
8	31	32	33	34	35	36
9	37	38	39	40	41	42
10	43	44	45	46	47	48
11	49	50	51	52	53	54
12	0	0	0	0	0	0
13	55	56	57	58	59	60
14	61	62	63	64	65	66
15	67	68	69	70	71	72
16	0	0	0	0	0	0
17	73	74	75	76	77	78
18	79	80	81	82	83	84

PIPE ELEMENT INPUT DATA

CONTROL INFORMATION



# PIPE ELEMENT INPUT DATA

## CONTROL INFORMATION

NUMBER OF PIPE ELEMENTS = 18

NUMBER OF MATERIAL SETS = 1

MAXIMUM NUMBER OF MATERIAL  
TEMPERATURE INPUT POINTS = 1

NUMBER OF SECTION PROPERTY SETS = 1

NUMBER OF BRANCH POINT NODES = 0

MAXIMUM NUMBER OF TANGENTS  
COMMON TO A BRANCH POINT = 4

FLAG FOR NEGLECTING AXIAL  
DEFORMATIONS IN BEND ELEMENTS = 0  
(EQ.1, NEGLECT)

## MATERIAL PROPERTY TABLES

MATERIAL NUMBER = ( 1 )

NUMBER OF  
TEMPERATURE POINTS = ( 1 )  
IDENTIFICATION = ( )

POINT NUMBER	TEMPERATURE	YOUNG'S MODULUS	POISSON'S RATIO	THERMAL EXPANSION
1	0.00	27900000.0	.300	0.

## SECTION PROPERTY TABLE

SECTION NUMBER	OUTSIDE DIAMETER	WALL THICKNESS	SHAPE FACTOR FOR SHEAR	WEIGHT/ UNIT LENGTH	MASS/ UNIT LENGTH	DESCRIPTION
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# SECTION PROPERTY TABLE

SECTION NUMBER	OUTSIDE DIAMETER	WALL THICKNESS	SHAPE FACTOR FOR SHEAR	WEIGHT/ UNIT LENGTH	MASS/ UNIT LENGTH	DESCRIPTION
1	2.375	.1540	0.0000	0.	0.	

## ELEMENT LOAD CASE MULTIPLIERS

	CASE A	CASE B	CASE C	CASE D
X-DIRECTION GRAVITY	0.000	0.000	0.000	0.000
Y-DIRECTION GRAVITY	0.000	0.000	0.000	0.000
Z-DIRECTION GRAVITY	0.000	0.000	0.000	0.000
THERMAL DISTORTION	0.000	0.000	0.000	0.000
PRESSURE DISTORTION	0.000	0.000	0.000	0.000

## PIPE ELEMENT INPUT DATA

ELEMENT NUMBER	ELEMENT TYPE	NODE -I	NODE -J	MATL. NUMBER	SECTION NUMBER	REFERENCE TEMPERATURE	INTERVAL PRESSURE	DIRECTION COSINES A(XX)	A(YY)	A(YZ)	NODE INCREMENT	INPUT TAG
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# PIPE ELEMENT INPUT DATA

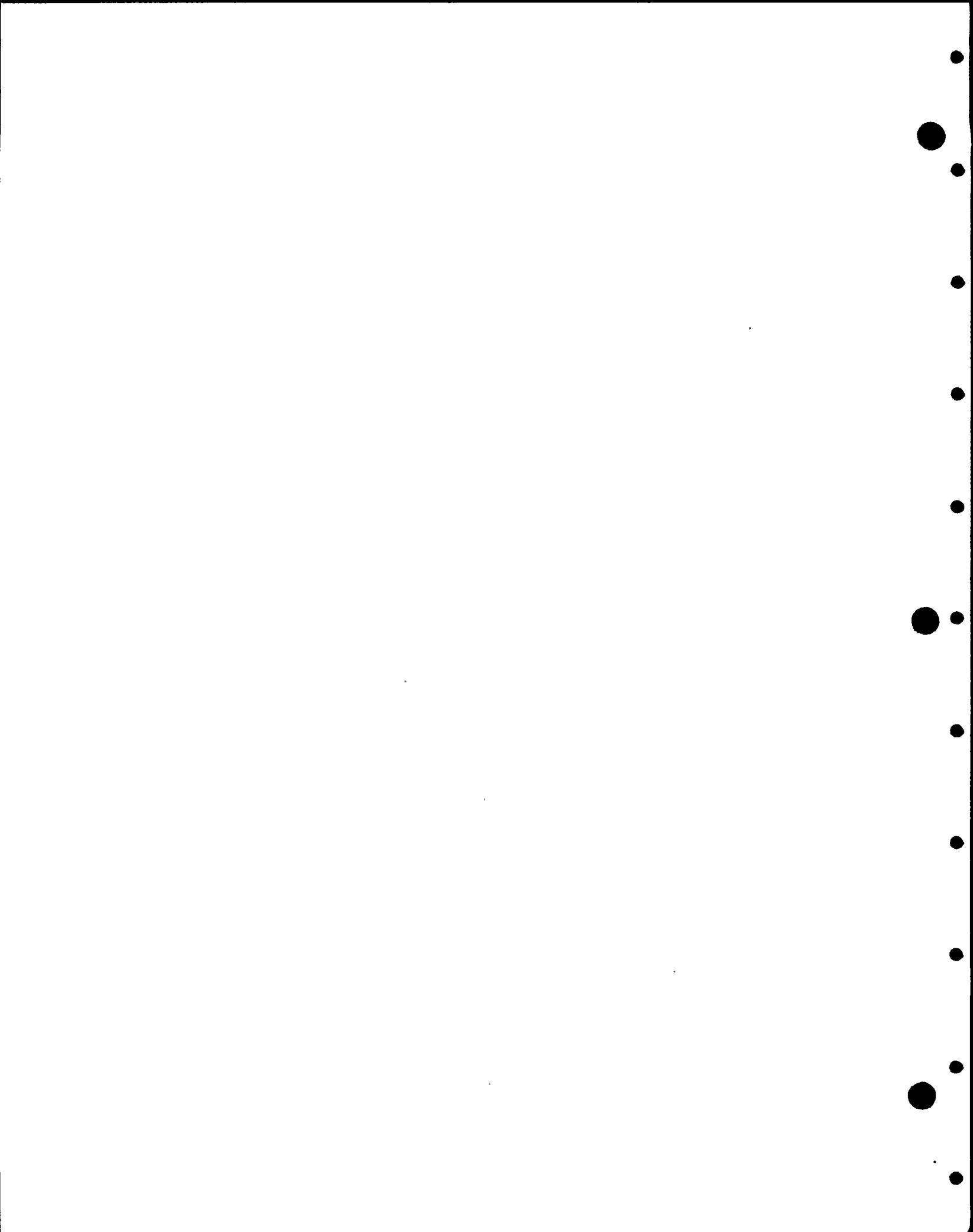
ELEMENT NUMBER	ELEMENT TYPE	NODE -I	NODE -J	MATL. NUMBER	SECTION NUMBER	REFERENCE TEMPERATURE (BEND RADIUS)	INTERNAL PRESSURE (THIRD POINT)	D I R E C T I O N C O S I N E S			NODE INCREMENT (WALL FRACTION)	INPUT TAG
								A(YX) (X3- ORDINATE)	A(YZ) (Y3- ORDINATE)	A(YZ) (Z3- ORDINATE)		
1	TANGENT	15	1	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
2	TANGENT	1	7	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
3	TANGENT	7	6	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
4	TANGENT	6	5	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
5	TANGENT	5	4	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
6	TANGENT	4	18	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
7	TANGENT	5	14	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
8	TANGENT	14	13	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
9	TANGENT	13	12	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
10	TANGENT	12	3	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
11	TANGENT	3	17	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
12	TANGENT	12	11	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
13	TANGENT	11	10	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
14	TANGENT	10	2	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
15	TANGENT	2	16	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
16	TANGENT	10	9	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
17	TANGENT	9	8	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
18	TANGENT	8	7	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II

NUMBER OF EQUATIONS PER BLOCK= 84 FOR 5 NODES. MTOI= 130999

NO. OF NODES FOR THIS DYNAMIC ANALYSIS IS 5 NODES

## EQUATION PARAMETERS

TOTAL NUMBER OF EQUATIONS = 84  
BANDWIDTH = 78





# EQUATION PARAMETERS

TOTAL NUMBER OF EQUATIONS = 84  
 BANDWIDTH = 78  
 NUMBER OF EQUATIONS IN A BLOCK = 84  
 NUMBER OF BLOCKS = 1

NODAL LOADS (STATIC) OR MASSES (DYNAMIC)

NO. LOAD

X-AXIS

Y-AXIS

Z-AXIS

X-AXIS

Y-AXIS

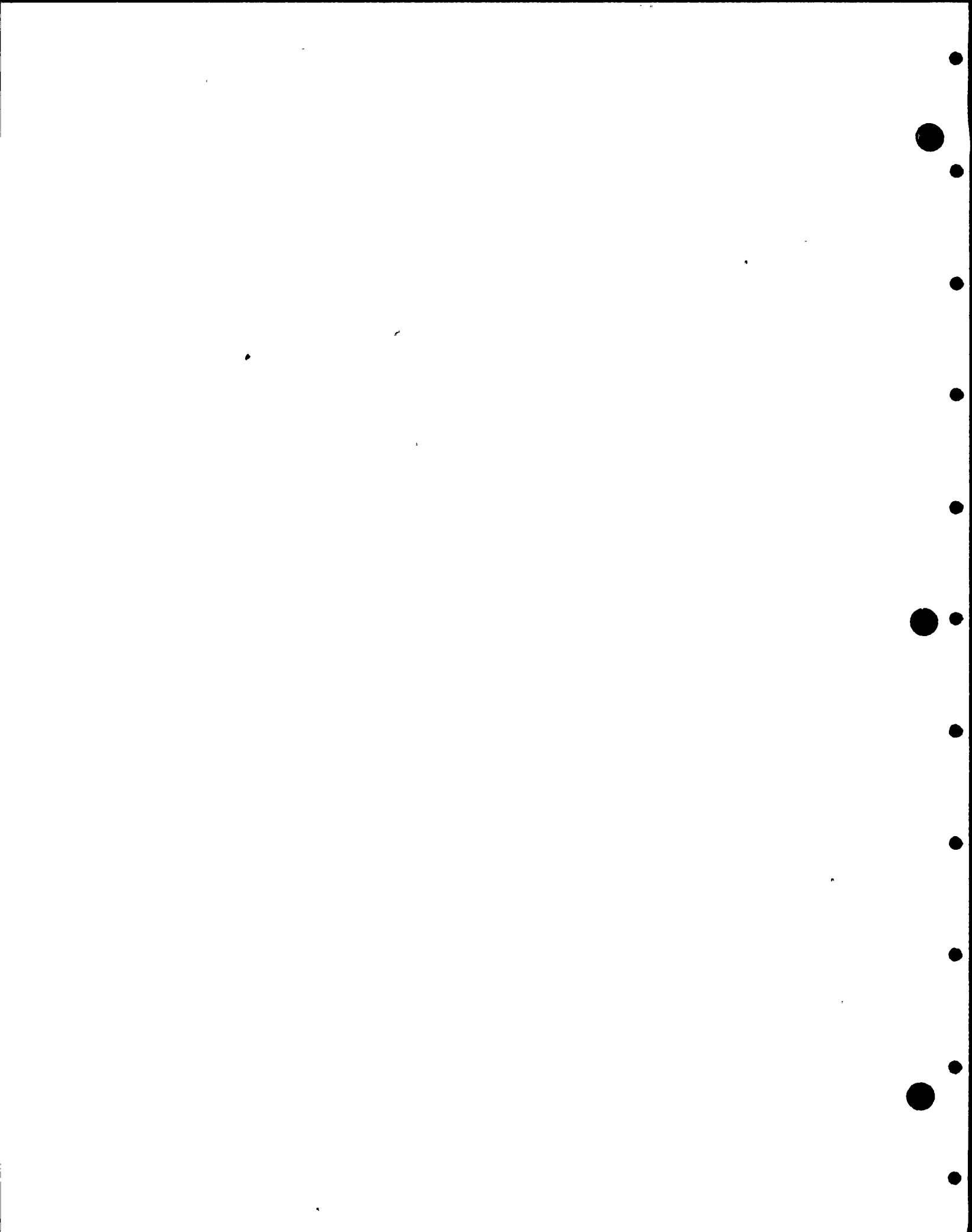
Z-AXIS



N O D A L   L O A D S   ( S T A T I C )   O R   M A S S E S   ( D Y N A M I C )

NOJO	LOAD		X-AXIS	Y-AXIS	Z-AXIS	X-AXIS	Y-AXIS	Z-AXIS
SAP	IMR	CASE	FORCE	FORCE	FORCE	MOMENT	MOMENT	MOMENT
2	1	0	.44700E-01	.44700E-01	.44700E-01	0.	0.	0.
3	7	0	.43300E-01	.43300E-01	.43300E-01	0.	0.	0.
4	6	0	.89400E-02	.89400E-02	.89400E-02	0.	0.	0.
5	5	0	.43300E-01	.43300E-01	.43300E-01	0.	0.	0.
5	4	0	.44700E-01	.44700E-01	.44700E-01	0.	0.	0.
8	14	0	.89400E-02	.89400E-02	.89400E-02	0.	0.	0.
9	13	0	.89400E-02	.89400E-02	.89400E-02	0.	0.	0.
10	12	0	.43300E-01	.43300E-01	.43300E-01	0.	0.	0.
11	3	0	.44700E-01	.44700E-01	.44700E-01	0.	0.	0.
13	11	0	.89400E-02	.89400E-02	.89400E-02	0.	0.	0.
14	10	0	.43300E-01	.43300E-01	.43300E-01	0.	0.	0.
15	2	0	.44700E-01	.44700E-01	.44700E-01	0.	0.	0.
17	9	0	.89400E-02	.89400E-02	.89400E-02	0.	0.	0.
18	8	0	.89400E-02	.89400E-02	.89400E-02	0.	0.	0.

[illegible]



# EIGENVALUE ANALYSIS

DETERMINANT SEARCH SOLUTION IS CARRIED-OUT

## CONTROL INFORMATION

FLAG FOR ADDITIONAL PRINTING = 0

EQ.0, SUPPRESS  
EQ.1, PRINT

STURM SEQUENCE CHECK FLAG (\*) = 0

EQ.0, PERFORM CHECK  
EQ.1, PASS

MAXIMUM ITERATION CYCLES (\*) = 16

CONVERGENCE TOLERANCE (\*) = .1000E-04

CJT-OFF-FREQUENCY (CPS) = .1000E+09

NUMBER OF STARTING ITERATION  
VECTORS TO BE READ FROM  
TAPE10 (\*) = 0

(\*) APPLICABLE TO SUBSPACE  
ITERATION SOLUTIONS ONLY

## SOLUTION IS SOUGHT FOR FOLLOWING EIGENPROBLEM

NUMBER OF EQUATIONS = 84

HALF BANDWIDTH OF STIFFNESS MATRIX = 78

NUMBER OF EQUATION BLOCKS = 1

NUMBER OF EQUATIONS PER BLOCK = 84

NUMBER OF EIGENVALUES REQUIRED = 5

## WE SOLVED FOR THE FOLLOWING EIGENVALUES

.299468039003E+04 .305984782288E+04 .120939494252E+05 .541223951274E+05 .683992285456E+05

## THE FOLLOWING ARE PHYSICAL ERROR BOUNDS ON THE EIGENPAIRS

.897775003293E-08 .139216720471E-08 .251598359837E-09 .285876601117E-11 .174208198284E-10

## PRINT OF FREQUENCIES

MODE NUMBER	CIRCULAR FREQUENCY	FREQUENCY	PERIOD
----------------	-----------------------	-----------	--------



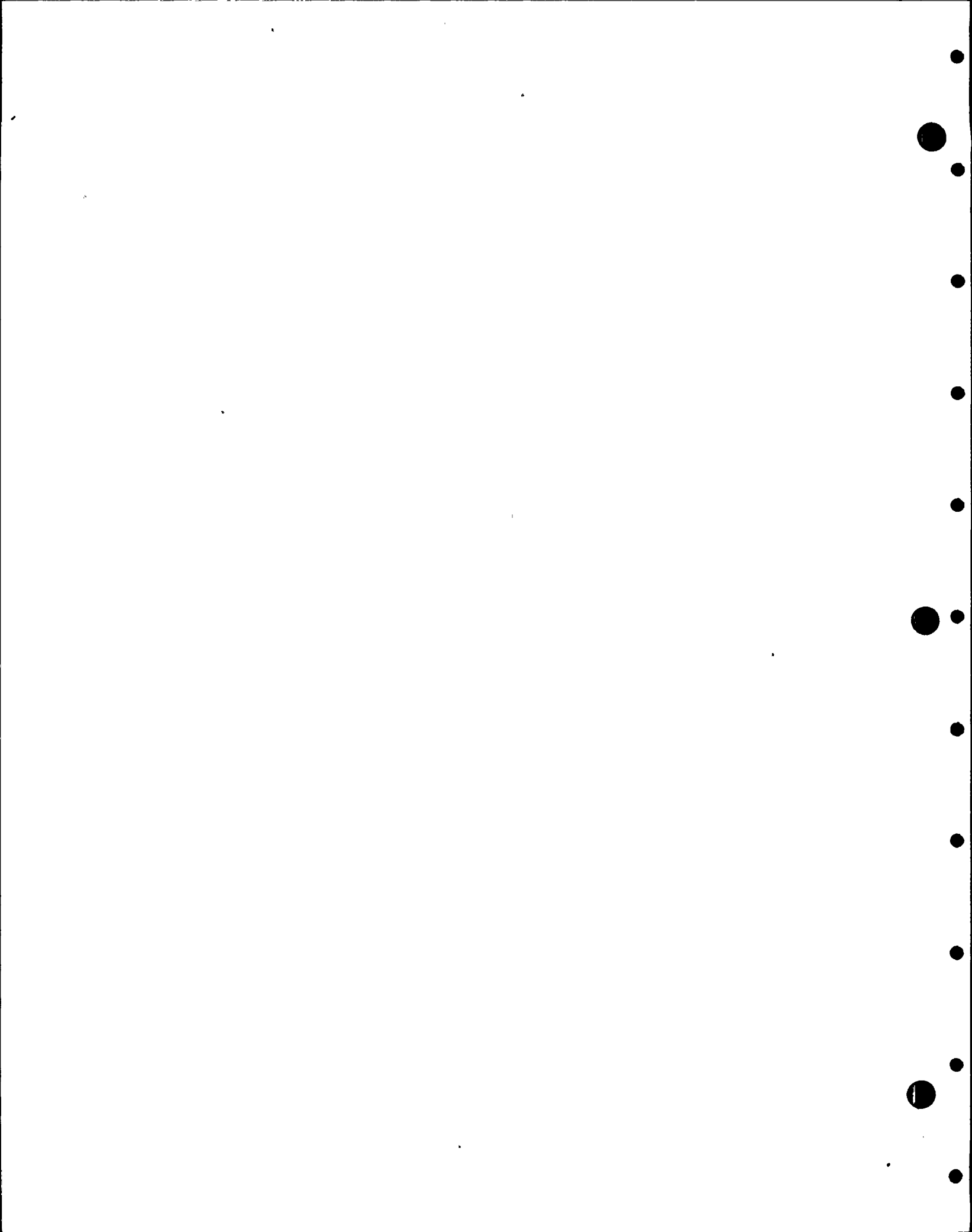
.807775003293E-08 .139216720471E-08 .251588359837E-09 .876501117E-11 .174208198284E-10

MODE NUMBER	CIRCULAR FREQUENCY (RAD/SEC)	FREQUENCY (CYCLES/SEC)	PERIOD (SEC)
----------------	------------------------------------	---------------------------	-----------------

1	.5472E+02	.8710E+01✓	.1149E+00
2	.5532E+02	.8804E+01✓	.1136E+00
3	.1100E+03	.1750E+02✓	.5713E-01
4	.2536E+03	.4036E+02✓	.2477E-01
5	.2615E+03	.4152E+02✓	.2402E-01

## PRINT OF EIGENVECTORS

NODE NUMBER	EIGEN- VECTOR	X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
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# N.O.D.E. D.I.S.P.L.A.C.E.M.E.N.T.S./ R.O.T.A.T.I.O.N.S.

NOE	EIGEN- NUMBER	VECTOR	X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
18	8	1	.19199E+01	-.74121E-02	-.35541E-04	-.19098E-07	-.40760E-05	.71462E-03
		2	-.45750E-05	-.56271E-02	-.19167E+01	-.38026E-02	.54657E-04	-.22455E-05
		3	-.10344E+01	.34887E-02	-.61750E+00	-.68058E-03	.12293E+00	-.46859E-03
		4	.50185E-03	.24044E+00	-.27501E-05	-.70959E-06	.17251E-06	-.14974E-01
		5	-.11237E-07	.13447E-03	.97053E-03	-.31165E-01	-.78734E-06	-.16574E-05
17	9	1	.19199E+01	.74121E-02	.36927E-04	.21846E-07	-.40760E-05	.71462E-03
		2	.48135E-05	-.66271E-02	-.19167E+01	-.38026E-02	-.54657E-04	.22474E-06
		3	-.10344E+01	-.34887E-02	-.61750E+00	-.68058E-03	.12293E+00	-.46859E-03
		4	-.50185E-03	.24044E+00	-.27501E-05	-.70959E-06	-.17251E-06	-.14974E-01
		5	.11235E-07	.13447E-03	.97053E-03	-.31165E-01	.78734E-05	.16574E-05
16	15	1	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.
15	2	1	.95723E+00	-.20618E-02	-.11518E-05	-.25415E-07	.91195E-05	-.27939E-01
		2	.10080E-04	-.33589E-02	-.96670E+00	-.28078E-01	-.22278E-04	-.25498E-06
		3	-.60302E+00	-.11496E-02	-.95985E+00	-.24650E-01	.60347E-01	.15323E-01
		4	-.23625E+01	.23410E-03	.41345E-04	.14337E-05	-.23674E-05	.81951E-02
		5	.45800E-04	.69879E-04	.23545E+01	.58428E-02	.48522E-06	-.11570E-06
14	10	1	.19199E+01	-.40652E-02	-.77490E-06	.57144E-07	.17987E-04	-.46279E-02
		2	.12913E-04	-.66243E-02	-.19161E+01	-.38026E-02	-.43941E-04	.24897E-05
		3	-.10344E+01	-.22665E-02	-.16648E+01	-.18550E-02	.11903E+00	-.11253E-02
		4	-.13675E-02	.46065E-03	.14685E-07	-.70959E-06	-.46696E-06	-.40530E-01
		5	.30618E-07	.13748E-03	.96041E-03	-.31165E-01	.95705E-06	.61636E-05
13	11	1	.19201E+01	-.40667E-02	.69253E-06	-.82243E-10	-.14185E-10	-.46279E-02
		2	.11880E-05	-.25161E-09	-.19161E+01	.22748E-03	.12444E-04	-.28633E-09
		3	.14011E-09	-.21134E-12	-.15648E+01	.25953E-03	.12022E+00	-.24035E-12
		4	-.13713E-02	.45430E-03	-.60559E-14	.37767E-15	.27217E-14	-.40530E-01
		5	.41637E-05	.13473E+00	.26290E-12	-.26757E-13	.44848E-13	.61635E-06
12	17	1	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.
11	3	1	.95723E+00	-.20618E-02	.18507E-05	.45714E-07	-.91195E-05	-.27939E-01
		2	-.99613E-05	.33589E-02	-.96670E+00	-.28078E-01	-.22278E-04	.25153E-05
		3	.60302E+00	-.11496E-02	-.95985E+00	-.24650E-01	.60347E-01	-.15323E-01
		4	-.23625E+01	.23410E-03	-.41345E-04	-.14337E-05	.23674E-06	.81951E-02
		5	.45798E-04	.69879E-04	-.23545E+01	-.58428E-02	-.48522E-06	-.11570E-06
10	12	1	.19199E+01	-.40652E-02	.21602E-05	-.54415E-07	-.17987E-04	-.46279E-02
		2	-.12575E-04	.66243E-02	-.19161E+01	-.38026E-02	-.43941E-04	-.24954E-05
		3	-.10344E+01	-.22665E-02	-.15548E+01	-.18550E-02	.11903E+00	-.11253E-02
		4	-.13675E-02	.46065E-03	-.14685E-07	.70959E-06	.46696E-06	-.40530E-01
		5	.30618E-07	.13748E-03	-.96041E-03	.31165E-01	-.95705E-06	.61634E-06
9	13	1	.19199E+01	.74121E-02	-.35541E-04	-.19098E-07	.40760E-05	.71462E-03
		2	-.45759E-05	.56271E-02	-.19167E+01	-.38026E-02	-.54657E-04	-.22455E-06
		3	-.10344E+01	.34887E-02	-.61750E+00	-.68058E-03	.12293E+00	-.46859E-03
		4	-.50185E-03	.24044E+00	.27501E-05	.70959E-06	.17251E-06	-.14974E-01
		5	.11237E-07	.13447E-03	-.97053E-03	.31165E-01	-.78734E-06	.16573E-06
8	14	1	.19199E+01	-.74121E-02	.36927E-04	.21846E-07	.40759E-05	.71462E-03
		2	.48135E-05	.56271E-02	-.19167E+01	-.38026E-02	.54657E-04	.22474E-06
		3	-.10344E+01	-.34887E-02	.61750E+00	.68068E-03	.12293E+00	.46859E-03

1

2

3

		5	619E-07	148E-03	950E-03	3116E-01	95705E-06	61634E-06
9	13	1	.19199E+01	.74121E-02	35541E-04	190E-07	.40760E-05	.71452E-03
		2	-.45759E-05	.56271E-02	19167E+01	380E-02	54557E-04	22455E-06
		3	.10344E+01	34887E-02	61750E+00	6805E-03	12293E+00	46859E-03
		4	-.50135E-03	.24044E+00	27501E-05	70969E-06	17251E-05	14974E-01
		5	.11237E-07	13447E-03	97053E-03	31165E-01	78734E-06	16573E-06
8	14	1	.19199E+01	74121E-02	35927E-04	21845E-07	.40759E-05	.71462E-03
		2	.48135E-05	.56271E-02	19167E+01	38025E-02	54657E-04	22474E-06
		3	.10344E+01	34887E-02	61750E+00	68068E-03	12293E+00	46859E-03
		4	-.50135E-03	.24044E+00	27501E-05	70969E-06	17251E-05	14974E-01
		5	-.11235E-07	13447E-03	97053E-03	31155E-01	78734E-06	16573E-06
7	18	1	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.
6	4	1	.95723E+00	.20618E-02	11520E-05	25419E-07	91195E-05	27939E-01
		2	.10080E-04	.33589E-02	95670E+00	28073E-01	22278E-04	25499E-06
		3	.60302E+00	11496E-02	96985E+00	24650E-01	60347E-01	15323E-01
		4	.23625E+01	23410E-03	41345E-04	14337E-06	23674E-06	81951E-02
		5	-.45798E-04	.59879E-04	23645E+01	58428E-02	48522E-05	11570E-06
5	5	1	.19199E+01	.40662E-02	77516E-06	57154E-07	17987E-04	46279E-02
		2	.12913E-04	.65243E-02	19161E+01	38025E-02	43941E-04	24897E-06
		3	.10344E+01	22655E-02	15648E+01	18550E-02	11903E+00	11253E-02
		4	.13575E-02	.46065E-03	14685E-07	70969E-06	46696E-05	40530E-01
		5	-.30616E-07	.13748E-03	96041E-03	31155E-01	95705E-06	61634E-06
4	5	1	.19201E+01	.40667E-02	69238E-06	82186E-10	52057E-11	46279E-02
		2	.11880E-06	.25161E-09	19161E+01	22748E-03	12444E-04	28633E-09
		3	.13999E-09	.21199E-12	15648E+01	25953E-03	12022E+00	24042E-12
		4	.13713E-02	.46430E-03	11851E-13	18279E-15	23090E-14	40530E-01
		5	-.41637E-05	.13473E+00	83768E-12	50447E-14	22319E-12	61635E-06
3	7	1	.19199E+01	.40662E-02	21599E-05	54416E-07	17987E-04	46279E-02
		2	-.12675E-04	65243E-02	19161E+01	38025E-02	43941E-04	24954E-06
		3	.10344E+01	22655E-02	15648E+01	18550E-02	11903E+00	11253E-02
		4	.13575E-02	.46065E-03	14685E-07	70969E-06	46696E-05	40530E-01
		5	-.30520E-07	.13748E-03	96041E-03	31155E-01	95705E-06	61636E-06
2	1	1	.95723E+00	.20618E-02	19506E-05	45711E-07	91195E-05	27939E-01
		2	-.99613E-05	33589E-02	95670E+00	28073E-01	22278E-04	25153E-06
		3	.60302E+00	11496E-02	96985E+00	24650E-01	60347E-01	15323E-01
		4	.23625E+01	23410E-03	41345E-04	14337E-06	23674E-06	81951E-02
		5	-.45800E-04	.59879E-04	23645E+01	58428E-02	48522E-06	11570E-06
1	15	1	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.

# EIGENSOLUTION TIME LOG

EIGENSOLUTION = 2.10  
PRINTING = .04

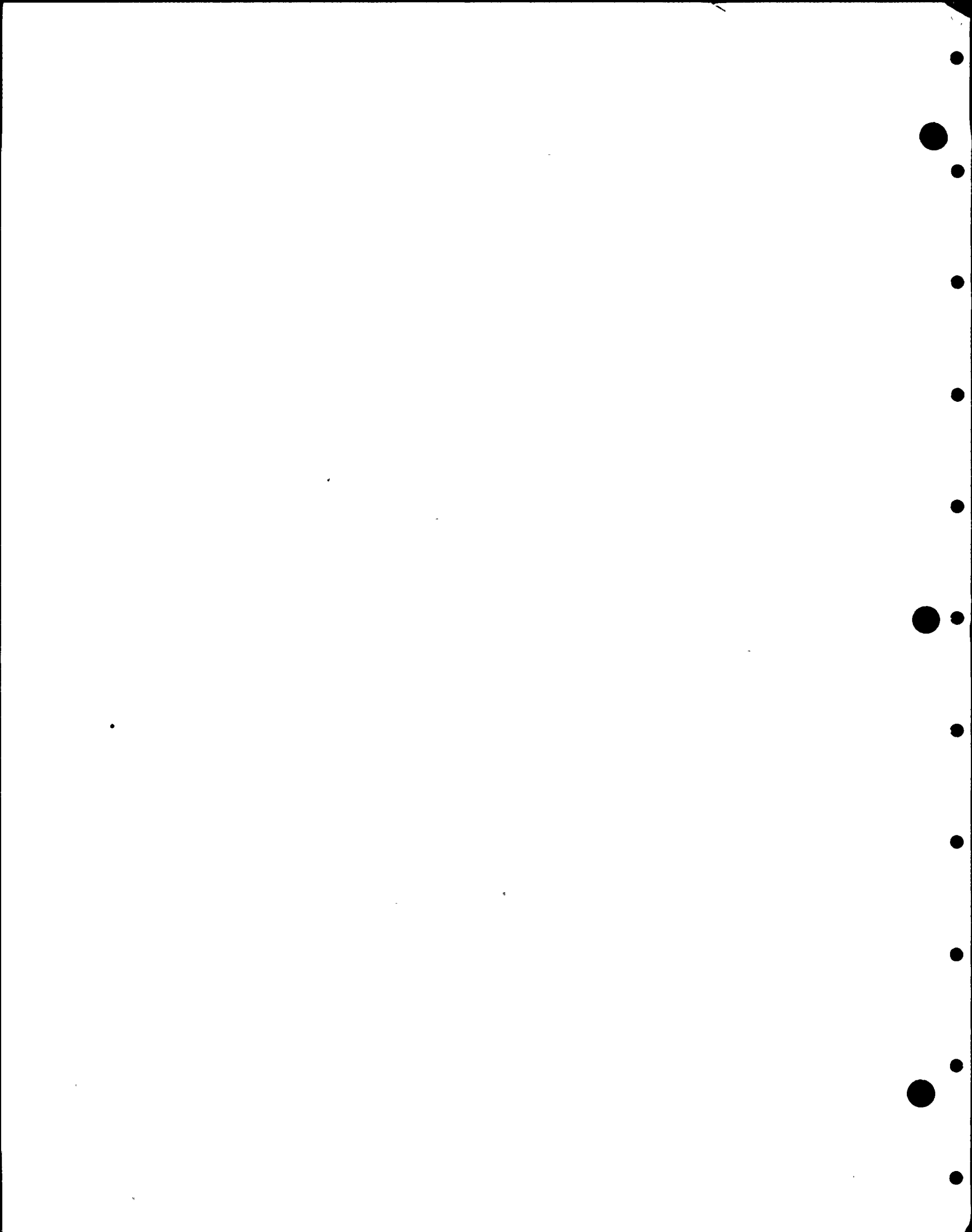
# OVERALL TIME LOG

NODAL POINT INPUT = .18  
ELEMENT STIFFNESS FORMATION = .17



# OVERALL TIME LOG

NODAL POINT INPUT	=	.18
ELEMENT STIFFNESS FORMATION	=	.17
NODAL LOAD INPUT	=	.01
TOTAL STIFFNESS FORMATION	=	.04
STATIC ANALYSIS	=	0.00
EIGENVALUE EXTRACTION	=	2.15
FORCED RESPONSE ANALYSIS	=	0.00
RESPONSE SPECTRUM ANALYSIS	=	0.00
STEP-BY-STEP INTEGRATION	=	0.00
TOTAL SOLUTION TIME	=	2.55



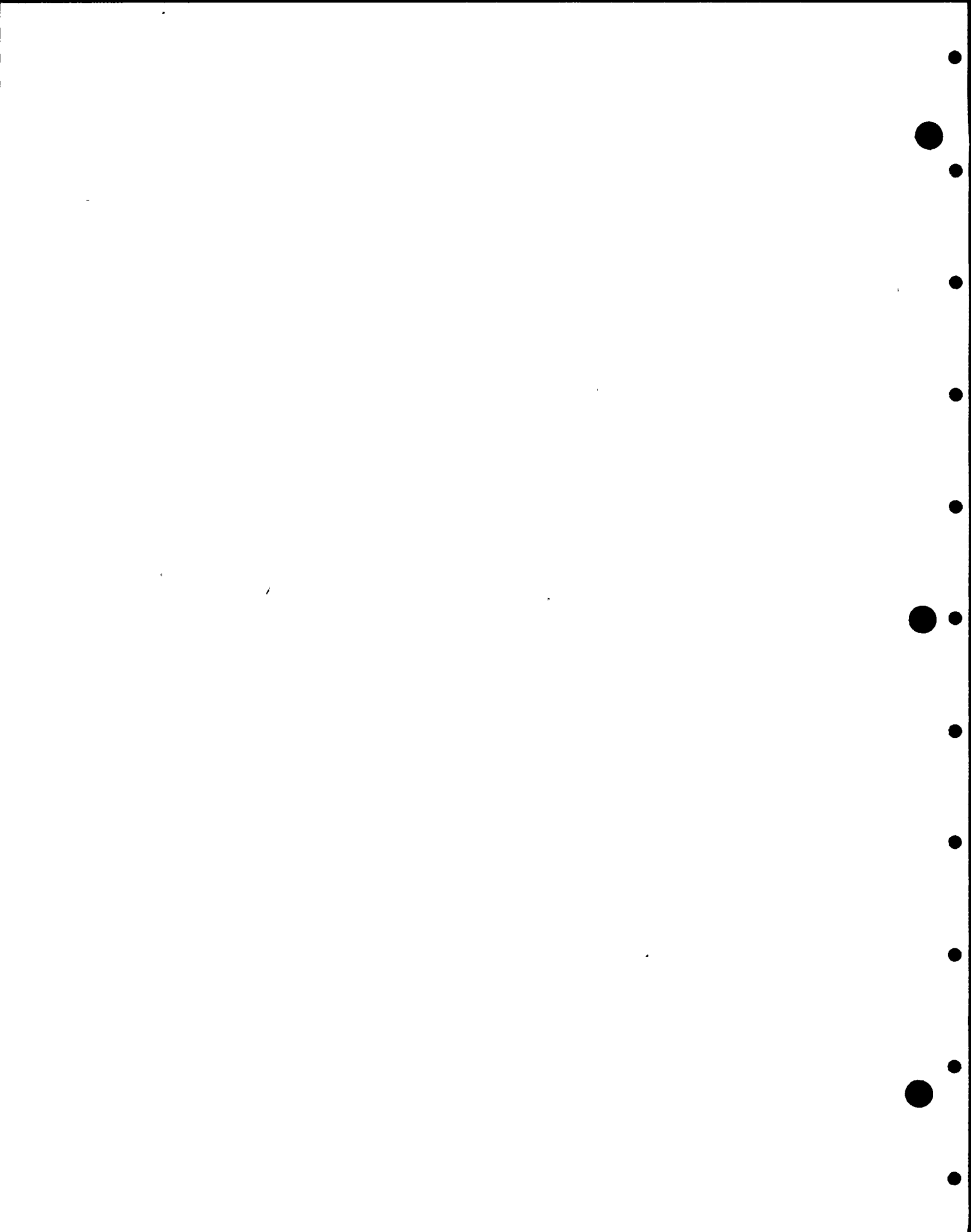
# DYNAMIC RESPONSE OF A COFFEE TABLE (RESPONSE SPECTRUM ANALYSIS)

SAVE	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DIRECTION	0	1	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DIRECTION	0	2	.6667	0.0000	0.0000	0.0000	0.0000	0.0000
DIRECTION	0	3	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FREQ	1	5	3.0960	4.0000	5.0000	5.8140	7.0922	8.7719
FREQ	7	11	10.9890	14.0845	17.2413	34.9550	588.9280	0.0000
G	1	6	1.0350	2.2540	2.2540	1.8110	3.0740	3.0740
G	7	11	1.1380	2.0050	2.0050	.9830	.3750	0.0000

ENDJOB

DYNAMIC RESPONSE OF A COFFEE TABLE (RESPONSE SPECTRUM ANALYSIS)

CONTROL INFORMATION





# DYNAMIC RESPONSE OF A COFFEE TABLE (RESPONSE SPECTRUM ANALYSIS)

## CONTROL INFORMATION

NUMBER OF NODAL POINTS = 18  
 NUMBER OF ELEMENT TYPES = 1  
 NUMBER OF LOAD CASES = 0  
 NUMBER OF FREQUENCIES = 5  
 ANALYSIS CODE (NDYN) = 3  
   EQ.0, STATIC  
   EQ.1, MODAL EXTRACTION  
   EQ.2, FORCED RESPONSE  
   EQ.3, RESPONSE SPECTRUM  
   EQ.4, DIRECT INTEGRATION  
 SOLUTION MODE (MODEX) = 0  
   EQ.0, EXECUTION  
   EQ.1, DATA CHECK  
 NUMBER OF SUBSPACE  
 ITERATION VECTORS (NAD) = 0  
 EQUATIONS PER BLOCK = 0  
 TAPE10\_SAVE\_FLAG (N10SV) = 0



### DIRECTION FACTORS

X = 1.0000      Y = .6670\*      Z = 1.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

## EQ.0 DISPLACEMENT

EQ.1 ACCELERATION

### MODAL PARTICIPATION FACTORS

[illegible]

1 .6057E+00 ✓ .1028E-15 ✓ .2196E-06 ✓

2.3754E-07 ✓ : 4467E-16 ~ .6075E+00

3 .4612E-10 .8565E-16 ✓ .8705E-11 ✓

4 . .2509E-13 .8728E-02 -.5688E-15 ✓

5.8892E-15 ✓ 2.450E-02 ✓ 1.058E-12 ✓

SPECTRUM TABLE (DYNAMIC RESPONSE OF A COFFEE TABLE (RESPONSE SPECTRUM ANALYSIS))

NUMBER OF POINTS = 11

SCALE FACTOR = .10000E+01

**INPUT** \_\_\_\_\_ **SPECTRUM**

POINT	PERIOD	VALUE
-------	--------	-------

1	.2000E-02	.1449E+03
---	-----------	-----------

2.2900E-01 .3798E+03.

3	.5800E-01	.7747E+03
---	-----------	-----------

4	.7100E-01	.7747E+03
---	-----------	-----------

5 9100E-01 4397E+03

6	.1140E+00	.1188E+04
---	-----------	-----------

7	.1410E+00	.1189E+04
---	-----------	-----------

8.1720E+00 6998E+03

9	.2000E+00	.8709E+03
---	-----------	-----------

10	.2500E+00	.8709E+03
----	-----------	-----------

11.....3230E+00 .....3999E+03.

N O D E   D I S P L A C E M E N T S / R O T A T I O N S

NODE NUMBER	NODE NUMBER	X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
----------------	----------------	-------------------	-------------------	-------------------	----------------	----------------	----------------



# ---NODE DISPLACEMENTS / ROTATIONS---

MODE NUMBER	MODE NUMBER	X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
SAP TMR							
18	8	1	.45198E+00	-.17835E-02	-.85521E-05	-.45954E-08	-.98079E-06
		2	-.10559E-05	-.15452E-02	-.44591E+00	-.88654E-03	.12744E-04
		3	-.35777E-11	.12066E-13	-.21357E-11	-.23542E-14	-.42515E-12
		4	.15582E-07	.74657E-05	-.85391E-10	-.22036E-10	-.53554E-11
		5	-.90352E-13	.10812E-08	.78036E-08	-.25059E-05	-.63306E-11
MAXIMUM VALUE		.45198E+00	-.17835E-02	.44591E+00	.88654E-03	.12744E-04	.17196E-03
ABSOLUTE SUM		.45199E+00	.33352E-02	.44592E+00	.88650E-03	.13725E-04	.17247E-03
SQRT. SUM OF SQ		.45198E+00	.23598E-02	.44591E+00	.88664E-03	.12782E-04	.17196E-03
CLS LY SP MODES		.45199E+00	.33288E-02	.44592E+00	.88654E-03	.13725E-04	.17201E-03
17	9	1	.45198E+00	-.17835E-02	-.88855E-05	-.52568E-08	-.98078E-06
		2	.11223E-05	-.15452E-02	-.44691E+00	-.88654E-03	-.12744E-04
		3	-.35777E-11	.12066E-13	-.21357E-11	-.23542E-14	-.42515E-12
		4	.15582E-07	.74657E-05	-.85391E-10	-.22036E-10	-.53554E-11
		5	.90336E-13	.10812E-08	.78036E-08	-.25059E-05	-.63306E-11
MAXIMUM VALUE		.45198E+00	-.17835E-02	.44691E+00	.88654E-03	.12744E-04	.17196E-03
ABSOLUTE SUM		.45199E+00	.33352E-02	.44692E+00	.88650E-03	.13725E-04	.17247E-03
SQRT. SUM OF SQ		.45198E+00	.23598E-02	.44691E+00	.88664E-03	.12782E-04	.17196E-03
CLS LY SP MODES		.45199E+00	.33288E-02	.44692E+00	.88654E-03	.13725E-04	.17201E-03
16	15	1	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.
MAXIMUM VALUE		0.	0.	0.	0.	0.	0.
ABSOLUTE SUM		0.	0.	0.	0.	0.	0.
SQRT. SUM OF SQ		0.	0.	0.	0.	0.	0.
CLS LY SP MODES		0.	0.	0.	0.	0.	0.
15	2	1	.23034E+00	-.49612E-03	-.27716E-06	-.61156E-08	.21944E-05
		2	.23502E-05	-.78317E-03	-.22540E+00	-.65457E-02	-.51944E-05
		3	-.20856E-11	-.39760E-14	-.33543E-11	-.85254E-13	-.20872E-12
		4	-.73354E-04	.72689E-08	.12838E-08	.44517E-11	-.73509E-11
		5	.37629E-09	.55186E-09	.19012E-04	.46979E-07	.39014E-11
MAXIMUM VALUE		.23034E+00	.78317E-03	.22540E+00	.65457E-02	.51944E-05	.67228E-02
ABSOLUTE SUM		.23041E+00	.12793E-02	.22542E+00	.65468E-02	.73888E-05	.67232E-02
SQRT. SUM OF SQ		.23034E+00	.92708E-03	.22540E+00	.65457E-02	.55389E-05	.67228E-02
CLS LY SP MODES		.23034E+00	.12793E-02	.22540E+00	.65467E-02	.73888E-05	.67229E-02
14	10	1	.45198E+00	-.97844E-03	-.18646E-06	.13755E-07	.43282E-05
		2	.30108E-05	-.15445E-02	-.44676E+00	-.88664E-03	-.10246E-04
		3	-.35777E-11	-.78388E-14	-.57578E-11	-.64156E-14	.41167E-12
		4	.42452E-07	.14303E-07	.45598E-12	-.22036E-10	-.14499E-10
		5	.24618E-12	.11054E-08	.77222E-08	-.25059E-05	.75952E-11
MAXIMUM VALUE		.45198E+00	.15445E-02	.44676E+00	.88664E-03	.10246E-04	.11136E-02
ABSOLUTE SUM		.45199E+00	.25230E-02	.44676E+00	.88690E-03	.14574E-04	.11149E-02
SQRT. SUM OF SQ		.45198E+00	.19294E-02	.44676E+00	.88654E-03	.11122E-04	.11136E-02
CLS LY SP MODES		.45198E+00	.25230E-02	.44676E+00	.88654E-03	.14574E-04	.11136E-02
13	11	1	.45203E+00	-.97855E-03	.15567E-06	-.19790E-10	-.34136E-11
		2	.27700E-07	-.58657E-10	-.44676E+00	.53040E-04	.29015E-05
		3	.48453E-21	-.73094E-24	-.57579E-11	.89762E-15	.41578E-12
		4	-.42579E-07	.14416E-07	-.18804E-18	.11727E-19	.84507E-19
		5	.33479E-10	.10833E-05	.21139E-17	-.21514E-18	.35050E-18
MAXIMUM VALUE		.45203E+00	.97855E-03	.44676E+00	.53040E-04	.29015E-05	.11136E-02
ABSOLUTE SUM		.45203E+00	.97955E-03	.44676E+00	.53040E-04	.29015E-05	.11148E-02



ABSOLUTE SUM .45198E+00 .25230E-02 .44676E+00 .88659E-03 .14574E-04 .11136E-02  
SQRT SUM OF SQ .45198E+00 .25230E-02 .44676E+00 .88659E-03 .14574E-04 .11136E-02  
CLSLSY SP MODES .45198E+00 .25230E-02 .44676E+00 .88659E-03 .14574E-04 .11136E-02

3 11 1 .45233E+00 -.97855E-03 .15567E-06 -.19710E-10 -.34136E-11 -.11136E-02  
2 .27700E-07 -.59557E-10 -.44576E+00 .53040E-04 .29015E-05 -.66763E-10  
3 .48459E-21 -.73094E-24 -.57579E-11 .89762E-15 .41579E-12 -.83128E-24  
4 .42579E-07 .14416E-07 -.19804E-18 .11727E-19 .84507E-19 -.12585E-05  
5 .33479E-10 .10933E-05 .21139E-17 -.21514E-18 .35050E-18 .49558E-11

MAXIMUM VALUE .45203E+00 .97855E-03 .44676E+00 .53040E-04 .29015E-05 .11136E-02  
ABSOLUTE SUM .45203E+00 .97955E-03 .44676E+00 .53040E-04 .29015E-05 .11148E-02  
SQRT SUM OF SQ .45203E+00 .97855E-03 .44676E+00 .53040E-04 .29015E-05 .11136E-02  
CLSLSY SP MODES .46203E+00 .97855E-03 .44576E+00 .53040E-04 .29015E-05 .11136E-02

12 17 1 0. 0. 0. 0. 0. 0. 0.  
2 0. 0. 0. 0. 0. 0.  
3 0. 0. 0. 0. 0. 0.  
4 0. 0. 0. 0. 0. 0.  
5 0. 0. 0. 0. 0. 0.

MAXIMUM VALUE 0. 0. 0. 0. 0. 0.  
ABSOLUTE SUM 0. 0. 0. 0. 0. 0.  
SQRT SUM OF SQ 0. 0. 0. 0. 0. 0.  
CLSLSY SP MODES 0. 0. 0. 0. 0. 0.

11 3 1 .23034E+00 -.49612E-03 .44534E-06 .11000E-07 -.21944E-05 -.67228E-02  
2 .23225E-05 .78317E-03 .22540E+00 .65467E-02 .51944E-05 .58647E-07  
3 .20835E-11 .39760E-14 .33543E-11 .85254E-13 .20872E-12 .52995E-13  
4 .73354E-04 .72689E-08 .12838E-08 .44517E-11 .73509E-11 .25445E-06  
5 .37628E-09 .56186E-09 .19012E-04 .46979E-07 .39014E-11 .93029E-12

MAXIMUM VALUE .23034E+00 .78317E-03 .22540E+00 .65467E-02 .51944E-05 .67228E-02  
ABSOLUTE SUM .23041E+00 .12793E-02 .22542E+00 .65468E-02 .73888E-05 .67232E-02  
SQRT SUM OF SQ .23034E+00 .92708E-03 .22540E+00 .65467E-02 .56389E-05 .67228E-02  
CLSLSY SP MODES .23034E+00 .12793E-02 .22540E+00 .65468E-02 .73888E-05 .67229E-02

10 12 1 .45198E+00 -.97844E-03 .51979E-06 -.13094E-07 -.43282E-05 -.11136E-02  
2 .29534E-05 .15445E-02 .44576E+00 .88664E-03 .10246E-04 .58194E-07  
3 .35775E-11 .78388E-14 .57578E-11 .64156E-14 .41157E-12 .38919E-14  
4 .42452E-07 .14303E-07 .45598E-12 .22035E-10 .14499E-10 .12585E-05  
5 .24618E-12 .11054E-08 .77222E-08 .25059E-06 .75952E-11 .49557E-11

MAXIMUM VALUE .45198E+00 .15445E-02 .44576E+00 .88664E-03 .10246E-04 .11136E-02  
ABSOLUTE SUM .45198E+00 .25230E-02 .44576E+00 .88659E-03 .14574E-04 .11149E-02  
SQRT SUM OF SQ .45198E+00 .18284E-02 .44576E+00 .88664E-03 .11122E-04 .11136E-02  
CLSLSY SP MODES .45198E+00 .25230E-02 .44676E+00 .88665E-03 .14574E-04 .11136E-02

9 13 1 .45198E+00 .17835E-02 .44691E+00 .88664E-03 .12744E-04 .17196E-03  
2 .10559E-05 .15452E-02 .44691E+00 .88664E-03 .12744E-04 .52380E-07  
3 .35777E-11 .12066E-13 .21357E-11 .23542E-14 .42515E-12 .16207E-14  
4 .15582E-07 .74657E-05 .85391E-10 .22035E-10 .53564E-11 .46494E-06  
5 .90348E-13 .10812E-08 .78035E-08 .25059E-06 .63306E-11 .13326E-11

MAXIMUM VALUE .45198E+00 .17835E-02 .44691E+00 .88664E-03 .12744E-04 .17196E-03  
ABSOLUTE SUM .45198E+00 .33352E-02 .44692E+00 .88659E-03 .13725E-04 .17247E-03  
SQRT SUM OF SQ .45198E+00 .23598E-02 .44691E+00 .88664E-03 .12782E-04 .17196E-03  
CLSLSY SP MODES .45198E+00 .33288E-02 .44692E+00 .88664E-03 .13725E-04 .17201E-03

8 14 1 .46198E+00 -.17835E-02 .88855E-05 .52559E-08 .98078E-06 .17196E-03  
2 .11223E-05 .15452E-02 .44591E+00 .88659E-03 .12744E-04 .52400E-07  
3 .33777E-11 .12066E-13 .21357E-11 .23542E-14 .42515E-12 .16207E-14  
4 .15582E-07 .74657E-05 .85391E-10 .22035E-10 .53564E-11 .46494E-06  
5 .90332E-13 .10812E-08 .78035E-08 .25059E-06 .63306E-11 .13326E-11

MAXIMUM VALUE .45198E+00 .17835E-02 .44691E+00 .88664E-03 .12744E-04 .17196E-03  
ABSOLUTE SUM .45198E+00 .33352E-02 .44592E+00 .88659E-03 .13725E-04 .17247E-03  
SQRT SUM OF SQ .45198E+00 .23598E-02 .44691E+00 .88664E-03 .12782E-04 .17196E-03  
CLSLSY SP MODES .46199E+00 .33288E-02 .44692E+00 .88659E-03 .13725E-04 .17201E-03

7 18 1 0. 0. 0. 0. 0. 0.  
2 0. 0. 0. 0. 0. 0.  
3 0. 0. 0. 0. 0. 0.  
4 0. 0. 0. 0. 0. 0.  
5 0. 0. 0. 0. 0. 0.

MAXIMUM VALUE 0. 0. 0. 0. 0. 0.  
ABSOLUTE SUM 0. 0. 0. 0. 0. 0.





SQRT SUM OF SQ	198E+00	2798E-02	445E+00	8865E-03	12782E-04	17196E-03
CLS LY SP MODES	46199E+00	33288E-02	44692E+00	8865E-03	13725E-04	17201E-03

7 18

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE

ABSOLUTE SUM

SQRT SUM OF SQ

CLS LY SP MODES

0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.

6 4

1	.23034E+00	.49612E-03	-.27719E-06	-.51155E-08	-.21944E-05	-.67228E-02
2	.23502E-05	.78317E-03	-.22540E+00	-.65457E-02	.51944E-05	-.59453E-07
3	.20856E-11	-.33760E-14	.33543E-11	.85254E-13	.20872E-12	-.52995E-13
4	.73354E-04	.72689E-08	-.12838E-08	-.44517E-11	-.73509E-11	-.25446E-05
5	-.37628E-09	.56186E-09	-.19012E-04	-.46979E-07	.39014E-11	.93029E-12

MAXIMUM VALUE

ABSOLUTE SUM

SQRT SUM OF SQ

CLS LY SP MODES

.23034E+00	.78317E-03	.22540E+00	.65457E-02	.51944E-05	.67228E-02
.23041E+00	.12793E-02	.22542E+00	.65453E-02	.73888E-05	.67232E-02
.23034E+00	.92708E-03	.22540E+00	.65467E-02	.56389E-05	.67228E-02
.23034E+00	.12793E-02	.22540E+00	.65457E-02	.73888E-05	.67229E-02

5 3

1	.46198E+00	.97844E-03	-.18552E-06	.13755E-07	-.43282E-05	-.11136E-02
2	.30108E-05	.15445E-02	-.44676E+00	-.88654E-03	.10246E-04	.59050E-07
3	.35775E-11	-.78388E-14	.57579E-11	.64155E-14	.41167E-12	-.38919E-14
4	.42452E-07	.14303E-07	-.45598E-12	.22036E-10	-.14499E-10	.12585E-05
5	-.24517E-12	.11054E-08	-.77222E-08	.25059E-06	.76952E-11	-.49557E-11

MAXIMUM VALUE

ABSOLUTE SUM

SQRT SUM OF SQ

CLS LY SP MODES

.46198E+00	.15445E-02	.44676E+00	-.88654E-03	.10246E-04	.11136E-02
.46198E+00	.25230E-02	.44676E+00	.88693E-03	.14574E-04	.11149E-02
.46198E+00	.18284E-02	.44676E+00	.88654E-03	.11122E-04	.11135E-02
.46198E+00	.25230E-02	.44676E+00	.8865E-03	.14574E-04	.11136E-02

4 5

1	.45203E+00	.97855E-03	.16660E-06	-.19775E-10	-.12526E-11	-.11136E-02
2	.27700E-07	.58667E-10	-.44676E+00	.53043E-04	-.29015E-05	-.66763E-10
3	.43415E-21	.73318E-24	.57579E-11	-.89762E-15	.41578E-12	-.83152E-24
4	.42578E-07	.14416E-07	.35798E-18	.56757E-20	.81008E-19	.12585E-05
5	-.33479E-10	.10833E-05	-.67354E-17	-.40562E-19	.17945E-17	-.49558E-11

MAXIMUM VALUE

ABSOLUTE SUM

SQRT SUM OF SQ

CLS LY SP MODES

.45203E+00	.97855E-03	.44676E+00	.53043E-04	.29015E-05	.11136E-02
.45203E+00	.97955E-03	.44676E+00	.53043E-04	.29015E-05	.11148E-02
.45203E+00	.97855E-03	.44676E+00	.53043E-04	.29015E-05	.11136E-02
.45203E+00	.97855E-03	.44676E+00	.53043E-04	.29015E-05	.11136E-02

3 7

1	.46198E+00	.97844E-03	.51973E-06	-.13094E-07	.43282E-05	-.11136E-02
2	-.29554E-05	-.15445E-02	-.44676E+00	-.88654E-03	.10246E-04	-.58184E-07
3	-.35776E-11	.78388E-14	.57579E-11	.64155E-14	.41167E-12	.38919E-14
4	.42452E-07	.14303E-07	.45598E-12	-.22036E-10	.14499E-10	.12585E-05
5	-.24620E-12	.11054E-08	.77222E-08	-.25059E-06	-.76952E-11	-.49558E-11

MAXIMUM VALUE

ABSOLUTE SUM

SQRT SUM OF SQ

CLS LY SP MODES

.46198E+00	.15445E-02	.44676E+00	.88654E-03	.10246E-04	.11136E-02
.46198E+00	.25230E-02	.44676E+00	.88693E-03	.14574E-04	.11149E-02
.46198E+00	.18284E-02	.44676E+00	.88654E-03	.11122E-04	.11136E-02
.46198E+00	.25230E-02	.44676E+00	.8865E-03	.14574E-04	.11136E-02

2 1

1	.23034E+00	.49612E-03	.44530E-06	.10993E-07	.21944E-05	-.67228E-02
2	-.23225E-05	-.78317E-03	-.22540E+00	-.65467E-02	.51944E-05	.58647E-07
3	-.20856E-11	.39760E-14	.33543E-11	.85254E-13	.20872E-12	.52995E-13
4	.73354E-04	.72689E-08	.12838E-08	.44517E-11	.73509E-11	-.25446E-06
5	-.37629E-09	.56186E-09	.19012E-04	.46979E-07	.39014E-11	.93032E-12

MAXIMUM VALUE

ABSOLUTE SUM

SQRT SUM OF SQ

CLS LY SP MODES

.23034E+00	.78317E-03	.22540E+00	.65467E-02	.51944E-05	.67228E-02
.23041E+00	.12793E-02	.22542E+00	.65453E-02	.73888E-05	.67232E-02
.23034E+00	.92708E-03	.22540E+00	.65467E-02	.56389E-05	.67228E-02
.23034E+00	.12793E-02	.22540E+00	.65463E-02	.73888E-05	.67229E-02

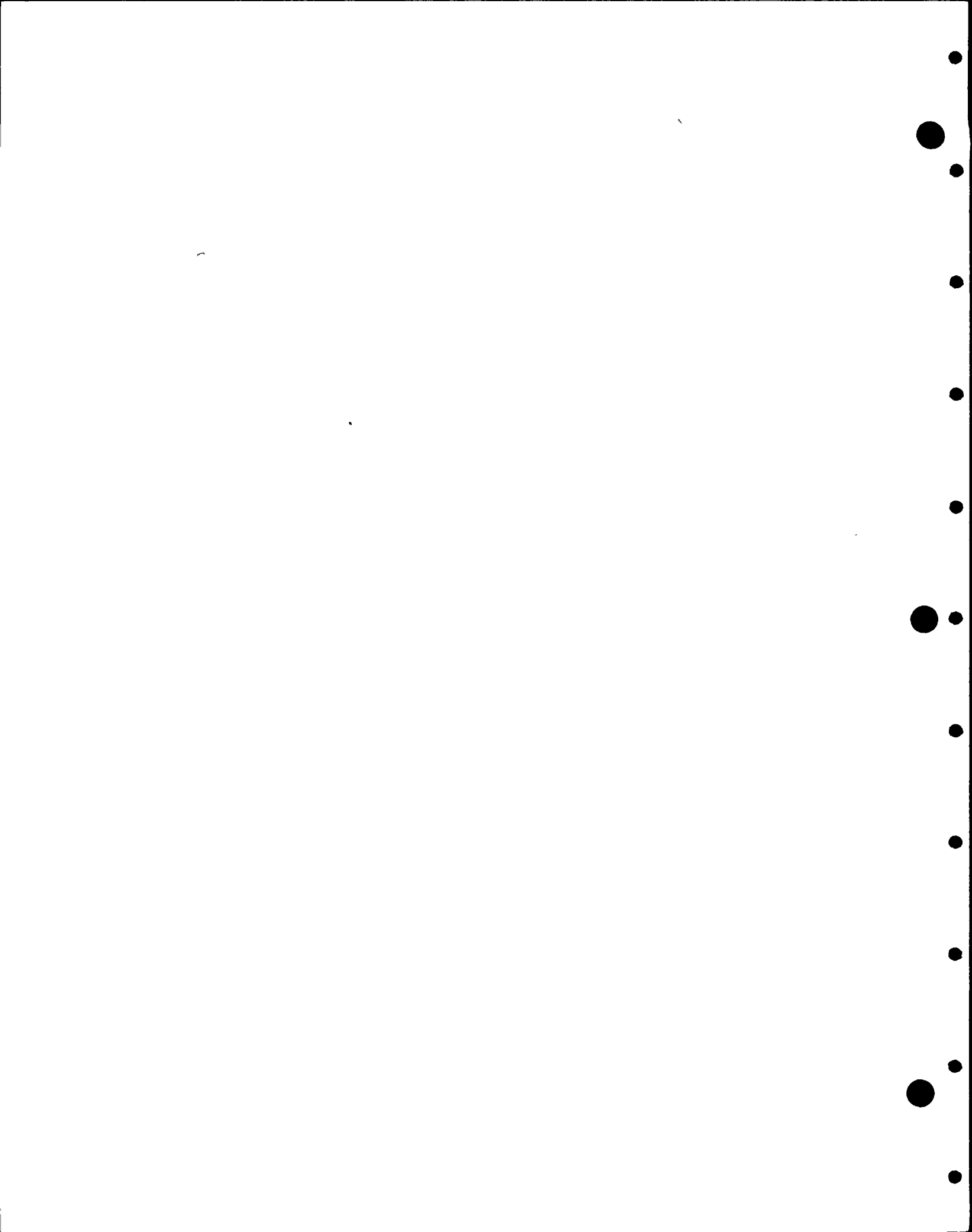
1 15

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE

ABSOLUTE SUM

0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.



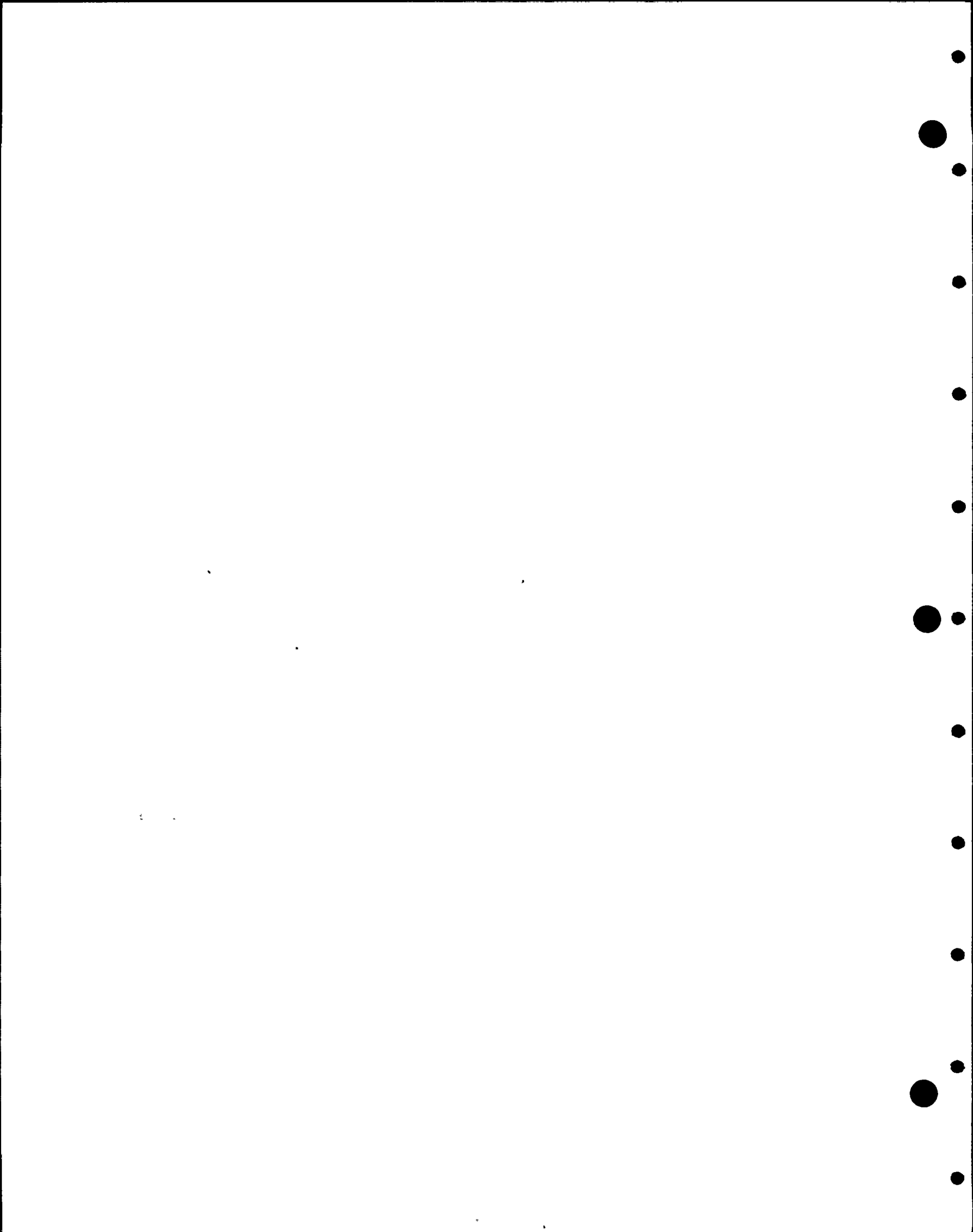
ABSOLUTE SUM	.23041E+00	.12793E-02	.22542E+00	.65458E-02	.73858E-05	.67222E-02
SQRT SUM OF SQ	.034E+00	.9108E-03	.225E+00	.6545E-02	.56389E-05	.67228E-02
CLSLSY SP MODES	.23034E+00	.12793E-02	.22540E+00	.65468E-02	.73888E-05	.67229E-02

1	13	1	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SQRT SUM OF SQ	0.	0.	0.	0.	0.	0.
CLSLSY SP MODES	0.	0.	0.	0.	0.	0.

RESPONSE SPECTRUM STRESS COMPONENTS

SQUARE ROOT OF THE SUM OF THE SQUARES OF THE MODAL STRESSES  
(FOR ALL ELEMENTS)



# RESPONSE SPECTRUM STRESS COMPONENTS

SQUARE ROOT OF THE SUM OF THE SQUARES OF THE MODAL STRESSES  
(FOR ALL ELEMENTS)

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 1 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.2974E+03	.2990E-03	.1093E+03	.6270E+00	-.5230E+04	-.1155E-01	.2974E+03	.2990E-03	.1093E+03	.6270E+00	.2353E+03	-.3390E-02
-.4595E+03	-.1084E+03	-.1503E-02	.1484E+01	.5937E-01	-.5141E+04	-.4595E+03	-.1084E+03	-.1503E-02	.1484E+01	-.1580E-01	.2773E+03
.2394E-08	.2147E-08	-.1335E-08	.5964E-07	.5307E-07	.8534E-07	.2394E-08	.2147E-08	-.1335E-08	.5964E-07	-.1370E-07	-.2201E-07
.4358E-02	.2058E-05	.1176E+00	.2100E-05	-.3935E-01	.5312E-04	.4358E-02	.2058E-05	.1176E+00	.2100E-05	.2846E+01	-.4981E-04
-.3369E-03	.3132E-01	-.5198E-06	-.1115E-05	.1584E-04	.8004E+06	-.3369E-03	.3132E-01	-.6198E-06	-.1115E-05	-.1515E-04	-.7655E+00

SQUARE ROOT SUM OF THE SQUARES

.5558E+03	.1084E+03	.1093E+03	.1611E+01	.5230E+04	.5141E+04	.5558E+03	.1084E+03	.1093E+03	.1611E+01	.2353E+03	.2773E+03
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CLOSELY SPACED MODE SUMMATION METHOD

.7670E+03	.1084E+03	.1093E+03	.2111E+01	.5230E+04	.5141E+04	.7670E+03	.1084E+03	.1093E+03	.2111E+01	.2353E+03	.2773E+03
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ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 2 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.2974E+03	.2391E-03	.7846E+02	.6270E+00	.2353E+03	-.3390E-02	.2974E+03	.2391E-03	.7846E+02	.6270E+00	.4050E+04	-.1502E-01
-.4694E+03	-.7753E+02	-.1136E-02	.1484E+01	-.1580E-01	.2773E+03	-.4694E+03	-.7753E+02	-.1136E-02	.1484E+01	-.7346E-01	.4047E+04
.2382E-08	.3335E-09	-.2079E-09	.5964E-07	-.1370E-07	-.2201E-07	.2382E-08	.3335E-09	-.2079E-09	.5964E-07	-.2391E-07	-.3922E-07
.4337E-02	-.1633E-05	-.9329E-01	.2100E-05	.2846E+01	-.4981E-04	.4337E-02	-.1633E-05	-.9329E-01	.2100E-05	-.1690E+01	.2957E-04
.3351E-03	-.2581E-01	.5307E-06	-.1115E-05	-.1515E-04	-.7655E+00	.3351E-03	-.2581E-01	.5307E-06	-.1115E-05	.1065E-04	.5382E+00

SQUARE ROOT SUM OF THE SQUARES

.5557E+03	.7753E+02	.7846E+02	.1511E+01	.2353E+03	.2773E+03	.5557E+03	.7753E+02	.7846E+02	.1511E+01	.4050E+04	.4047E+04
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CLOSELY SPACED MODE SUMMATION METHOD

.7658E+03	.7753E+02	.7846E+02	.2111E+01	.2353E+03	.2773E+03	.7658E+03	.7753E+02	.7846E+02	.2111E+01	.4050E+04	.4047E+04
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ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 3 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.1227E+01	.1327E-01	-.6185E+01	.1517E-07	.1735E+02	.2909E-01	-.1227E+01	.1327E-01	-.6185E+01	.1517E-07	-.3599E+02	-.8540E-01
-.6111E+01	-.4692E+03	.6564E+01	.9627E-01	-.5652E+02	-.4047E+04	-.6111E+01	-.4692E+03	.6564E+01	.9627E-01	-.2170E-05	-.5066E-08
.3113E-09	.3652E-08	-.2052E-08	-.6447E-08	.1770E-07	.3150E-07	.3113E-09	.3652E-08	-.2052E-08	-.6447E-08	-.1084E-18	-.8206E-21
-.1593E-05	.4145E-05	.1224E-04	-.3125E-12	.2158E-04	-.2957E-04	-.1585E-05	.4145E-05	.1224E-04	-.3125E-12	-.8402E-04	-.5533E-04
-.2684E-01	.3312E-03	.1024E-07	.1521E-09	.1653E-04	-.5382E+00	-.2684E-01	.3312E-03	.1024E-07	.1521E-09	.1661E-04	-.5410E+00

SQUARE ROOT SUM OF THE SQUARES

.6233E+01	.4592E+03	.9019E+01	.9627E-01	.5922E+02	.4047E+04	.6233E+01	.4692E+03	.9019E+01	.9627E-01	.3599E+02	.5477E+00
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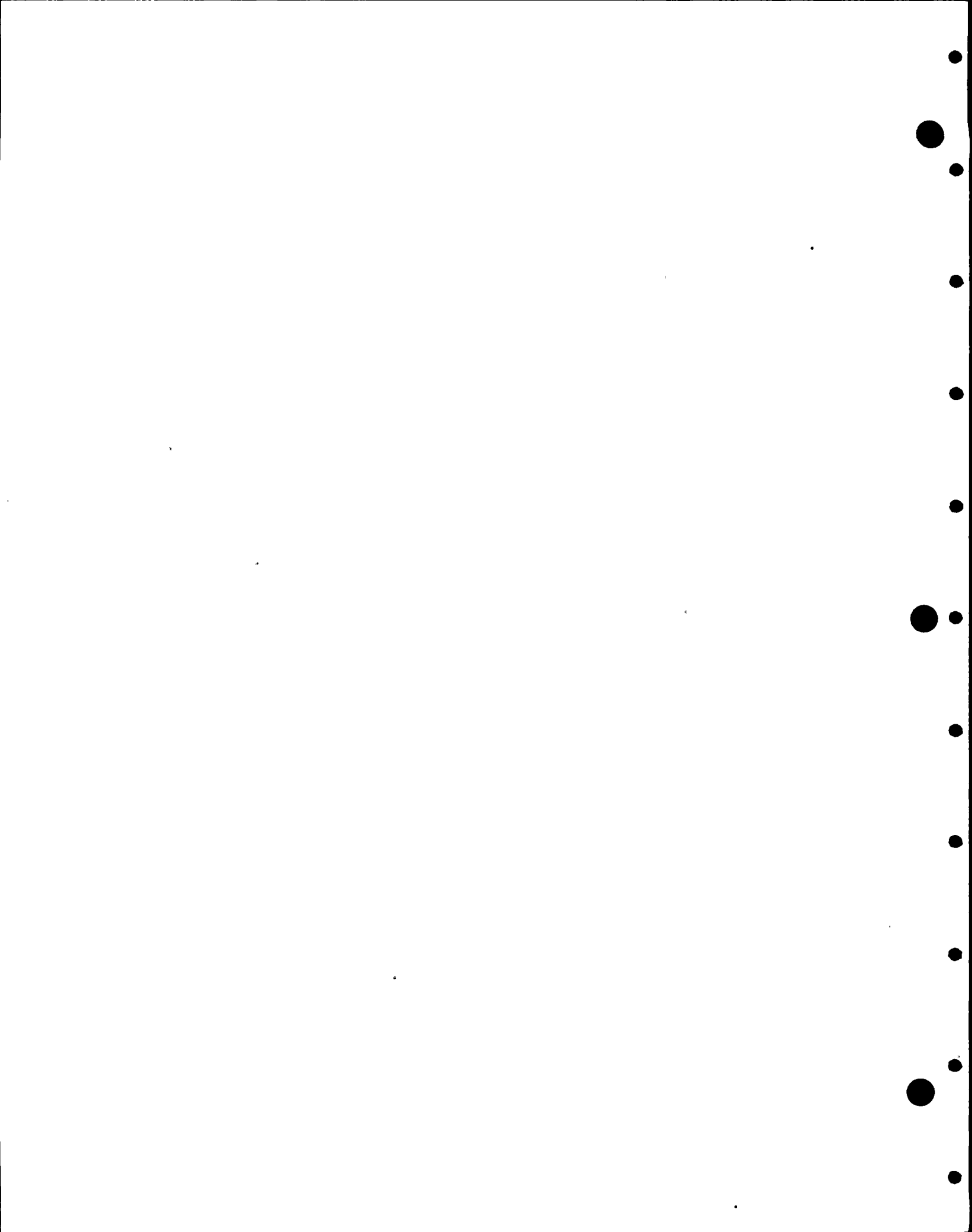
CLOSELY SPACED MODE SUMMATION METHOD

.7338E+01	.4592E+03	.1275E+02	.9627E-01	.7397E+02	.4047E+04	.7338E+01	.4692E+03	.1275E+02	.9627E-01	.3599E+02	.5478E+00
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ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 4 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.1227E+01	-.1292E-01	.6185E+01	.1516E-07	-.3599E+02	-.8540E-01	-.1227E+01	-.1292E-01	.6185E+01	.1516E-07	.1735E+02	.2608E-01
.6111E+01	-.4592E+03	.6564E+01	.9627E-01	-.2173E-05	-.5693E-08	.6111E+01	-.4592E+03	.6564E+01	.9627E-01	.5662E+02	.4047E+04
-.3113E-09	.3652E-08	-.2052E-08	-.6447E-08	-.4743E-19	-.6882E-21	-.3113E-09	.3652E-08	-.2052E-08	-.6447E-08	-.1770E-07	-.3150E-07
-.1593E-05	-.4145E-05	.1224E-04	-.3695E-12	-.8402E-04	-.6533E-04	-.1585E-05	-.4145E-05	.1224E-04	-.3595E-12	.2158E-04	-.2957E-04
-.2684E-01	-.3312E-03	-.1024E-07	.1521E-09	.1651E-04	-.5410E+00	-.2684E-01	-.3312E-03	-.1024E-07	.1521E-09	.1653E-04	-.5382E+00

SQUARE ROOT SUM OF THE SQUARES



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 4 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.227E+01	-.1292E-01	.5185E+01	.1516E-07	-.3599E+02	-.8540E-01	.1227E+01	-.1272E-01	.6195E+01	.1516E-07	.1735E+02	.2608E-01
.5111E+01	-.4592E+03	.6554E+01	.9627E-01	-.2173E-05	.5093E-08	.5111E+01	-.4592E+03	.6554E+01	.9627E-01	.5652E+02	.4047E+04
-.3113E-09	.3552E-03	-.2052E-08	-.6447E-08	-.4743E-19	.6882E-21	-.3113E-09	.3552E-03	-.2052E-08	-.6447E-08	-.1770E-07	-.3150E-07
-.1583E-05	-.1145E-03	.1224E-04	.3695E-12	-.8402E-04	.6533E-04	-.1583E-05	.1145E-03	.1224E-04	-.3595E-12	.2158E-04	-.2957E-04
-.2534E-01	-.3312E-03	-.1024E-07	.1521E-09	.1651E-04	-.5410E+00	-.2534E-01	-.3312E-03	-.1024E-07	.1521E-09	.1653E-04	-.5332E+00

SQUARE ROOT SUM OF THE SQUARES

.6233E+01 .4692E+03 .9019E+01 .9627E-01 .3599E+02 .5477E+00 .6233E+01 .4692E+03 .9019E+01 .9627E-01 .5922E+02 .4047E+04

CLOSELY SPACED MODE SUMMATION METHOD

.7338E+01 .4592E+03 .1275E+02 .9627E-01 .3599E+02 .5478E+00 .7338E+01 .4592E+03 .1275E+02 .9627E-01 .7397E+02 .4047E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 5 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.2974E+03	.1813E-03	.7846E+02	-.6270E+00	-.4050E+04	.1200E-01	.2974E+03	.1813E-03	.7846E+02	-.6270E+00	-.2353E+03	.3183E-02
.4674E+03	.7753E+02	.1195E-02	.1484E+01	-.7394E-01	.4047E+04	.4674E+03	.7753E+02	.1195E-02	.1484E+01	-.1583E-01	.2773E+03
-.2382E-08	-.3335E-09	.2079E-09	.5954E-07	-.2381E-07	-.3822E-07	-.2382E-08	-.3335E-09	.2079E-09	.5954E-07	-.1370E-07	-.2201E-07
.4337E-02	-.1533E-05	-.9329E-01	-.2100E-05	.1690E+01	-.2957E-04	.4337E-02	-.1533E-05	-.9329E-01	-.2100E-05	-.2846E+01	.4981E-04
.3351E-03	-.2681E-01	.5307E-05	.1115E-05	-.1055E-04	-.5382E+00	.3351E-03	-.2681E-01	.5307E-05	.1115E-05	.1515E-04	.7555E+00

SQUARE ROOT SUM OF THE SQUARES

.5557E+03 .7753E+02 .7846E+02 .1611E+01 .4050E+04 .4047E+04 .5557E+03 .7753E+02 .7846E+02 .1611E+01 .2353E+03 .2773E+03

CLOSELY SPACED MODE SUMMATION METHOD

.7568E+03 .7753E+02 .7846E+02 .2111E+01 .4050E+04 .4047E+04 .7568E+03 .7753E+02 .7846E+02 .2111E+01 .2353E+03 .2773E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 6 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.2974E+03	.2182E-03	.1093E+03	-.6270E+00	-.2353E+03	.3183E-02	.2974E+03	.2182E-03	.1093E+03	-.6270E+00	.5230E+04	-.7727E-02
.4535E+03	.1034E+03	.1517E-02	.1484E+01	-.1593E-01	.2773E+03	.4695E+03	.1084E+03	.1517E-02	.1484E+01	.5000E-01	-.5141E+04
-.2384E-08	-.2147E-09	.1335E-08	.5954E-07	-.1370E-07	-.2201E-07	-.2384E-08	-.2147E-09	.1335E-08	.5954E-07	.5307E-07	.8534E-07
.4333E-02	.2039E-05	.1176E+00	-.2100E-05	-.2845E+01	.4981E-04	.4358E-02	.2058E-05	.1175E+00	-.2100E-05	.3035E+01	-.5312E-04
.3359E-03	.3132E-01	-.6198E-06	.1115E-05	.1515E-04	.7655E+00	.3359E-03	.3132E-01	-.6198E-06	.1115E-05	-.1584E-04	-.8004E+00

SQUARE ROOT SUM OF THE SQUARES

.5558E+03 .1084E+03 .1093E+03 .1611E+01 .2353E+03 .2773E+03 .5558E+03 .1084E+03 .1093E+03 .1611E+01 .5230E+04 .5141E+04

CLOSELY SPACED MODE SUMMATION METHOD

.7570E+03 .1084E+03 .1093E+03 .2111E+01 .2353E+03 .2773E+03 .7570E+03 .1084E+03 .1093E+03 .2111E+01 .5230E+04 .5141E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 7 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.1237E+02	.2972E+03	-.1227E+01	-.1408E-01	.1673E+02	.4050E+04	.1237E+02	.2972E+03	-.1227E+01	-.1408E-01	.5138E+01	.1486E+04
-.6554E+01	.4229E-01	-.1223E+02	-.1541E-07	.5811E+02	.1702E+00	-.6554E+01	.4229E-01	-.1223E+02	-.1541E-07	-.4734E+02	-.1945E+00
.3853E-09	.1274E-09	-.2993E-08	-.6728E-08	.4193E-07	.1737E-07	.3858E-09	.1274E-08	-.2993E-08	-.6728E-08	.1612E-07	.6376E-08
-.9342E-01	.4293E-02	.4910E-07	.1266E-13	.1948E-04	-.1690E+01	-.9342E-01	.4293E-02	.4910E-07	.1266E-13	.1990E-04	-.1727E+01
.5415E-06	.6611E-06	-.4772E-05	-.8988E-12	.1754E-04	-.1065E-04	.5415E-06	.6611E-06	-.4772E-05	-.8988E-12	-.2352E-04	.4951E-05

SQUARE ROOT SUM OF THE SQUARES

.1400E+02 .2972E+03 .1229E+02 .1408E-01 .6047E+02 .4050E+04 .1400E+02 .2972E+03 .1229E+02 .1408E-01 .4774E+02 .1486E+04

CLOSELY SPACED MODE SUMMATION METHOD

.1833E+02 .2973E+03 .1345E+02 .1408E-01 .7483E+02 .4050E+04 .1833E+02 .2973E+03 .1345E+02 .1408E-01 .5348E+02 .1487E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 8 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.2444E-05	.2973E+03	-.1228E+01	-.1408E-01	.5138E+01	.1486E+04	.2444E-05	.2973E+03	-.1228E+01	-.1408E-01	-.5138E+01	-.1486E+04
-.6554E+01	.1793E-04	-.8117E-07	-.1549E-07	.4734E+02	-.1945E+00	-.6554E+01	.1783E-04	-.8117E-07	-.1549E-07	-.4734E+02	-.1947E+00
.2159E-13	.1275E-08	-.3224E-08	-.6728E-08	.1612E-07	.6376E-08	.2168E-18	.1275E-09	-.3224E-08	-.6728E-08	-.1612E-07	-.6376E-08
-.9343E-01	.1775E-14	.8249E-14	.1731E-13	.1990E-04	-.1727E+01	-.9343E-01	.1776E-14	.8249E-14	.1731E-13	.1990E-04	-.1727E+01
.5417E-06	-.3358E-12	.2092E-12	-.9130E-12	-.2352E-04	.4951E-05	.5417E-06	-.3358E-12	.2092E-12	-.9130E-12	-.2352E-04	.4951E-05





ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 8 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.2111E-05	.2973E+03	-.1228E+01	-.1408E-01	-.6138E+01	-.1486E+04	-.2444E-05	.2973E+03	-.1228E+01	-.1408E-01	-.6138E+01	-.1486E+04
-.6554E+01	.1783E-04	-.8117E-07	-.1649E-07	-.4734E+02	-.1945E+00	-.1783E-04	-.8117E-07	-.1649E-07	-.4734E+02	-.1945E+00	-.1947E+00
.2153E-19	.1275E-03	-.3224E-08	-.6728E-08	-.1612E-07	-.6376E-08	.2168E-18	.1275E-03	-.3224E-08	-.6728E-08	-.1612E-07	-.6376E-08
-.9343E-01	.1776E-14	.8249E-14	.1731E-13	.1990E-04	-.1727E+01	-.9343E-01	.1776E-14	.8249E-14	.1731E-13	.1990E-04	-.1727E+01
-.5417E-06	-.3359E-12	.2092E-12	-.9130E-12	-.2352E-04	.4951E-05	-.5417E-06	-.3359E-12	.2092E-12	-.9130E-12	-.2352E-04	.4951E-05

SQUARE ROOT SUM OF THE SQUARES

.6554E+01 .2973E+03 .1228E+01 .1408E-01 .4774E+02 .1486E+04 .6554E+01 .2973E+03 .1228E+01 .1408E-01 .4774E+02 .1486E+04

CLOSELY SPACED MODE SUMMATION METHOD

.6554E+01 .2973E+03 .1228E+01 .1408E-01 .5348E+02 .1487E+04 .6554E+01 .2973E+03 .1228E+01 .1408E-01 .5348E+02 .1487E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 9 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.1237E+02	.2972E+03	-.1228E+01	-.1408E-01	-.6138E+01	-.1486E+04	-.1237E+02	.2972E+03	-.1228E+01	-.1408E-01	-.1673E+02	-.4050E+04
-.6554E+01	-.4225E-01	.1223E+02	-.1647E-07	-.4734E+02	-.1947E+00	-.6554E+01	-.4225E-01	.1223E+02	-.1647E-07	.5811E+02	.1697E+00
-.3953E-09	.1274E-03	-.2993E-08	-.6728E-08	-.1612E-07	-.6376E-08	-.3868E-09	.1274E-03	-.2993E-08	-.6728E-08	-.4193E-07	-.1737E-07
-.9342E-01	-.4293E-02	-.4910E-07	.1500E-13	.1990E-04	-.1727E+01	-.9342E-01	-.4293E-02	-.4910E-07	.1500E-13	.1948E-04	-.1690E+01
-.5415E-06	-.6611E-05	.4772E-05	-.9148E-12	-.2352E-04	.4951E-05	-.5415E-06	-.6611E-05	.4772E-05	-.9148E-12	.1764E-04	.1055E-04

SQUARE ROOT SUM OF THE SQUARES

.1400E+02 .2972E+03 .1229E+02 .1408E-01 .4774E+02 .1486E+04 .1400E+02 .2972E+03 .1229E+02 .1408E-01 .6047E+02 .4050E+04

CLOSELY SPACED MODE SUMMATION METHOD

.1893E+02 .2973E+03 .1345E+02 .1408E-01 .5348E+02 .1487E+04 .1893E+02 .2973E+03 .1345E+02 .1408E-01 .7483E+02 .4050E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 10 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.2974E+03	-.2391E-03	.7846E+02	-.6270E+00	-.4050E+04	-.1502E-01	-.2974E+03	-.2391E-03	.7846E+02	-.6270E+00	-.2353E+03	-.3390E-02
.4594E+03	.7753E+02	-.1185E-02	.1484E+01	.7346E-01	.4047E+04	.4594E+03	.7753E+02	-.1185E-02	.1484E+01	.1580E-01	.2773E+03
.2382E-08	.3335E-09	.2079E-09	.5964E-07	-.2391E-07	.3822E-07	.2382E-08	.3335E-09	.2079E-09	.5964E-07	-.1370E-07	.2201E-07
.4337E-02	-.1633E-03	.9329E-01	.2100E-05	-.1690E+01	-.2957E-04	.4337E-02	-.1633E-03	.9329E-01	.2100E-05	.2846E+01	.4931E-04
.3351E-03	-.2681E-01	-.5307E-06	-.1115E-05	.1055E-04	-.5382E+00	.3351E-03	-.2681E-01	-.5307E-06	-.1115E-05	-.1515E-04	.7655E+00

SQUARE ROOT SUM OF THE SQUARES

.5557E+03 .7753E+02 .7846E+02 .1611E+01 .4050E+04 .4047E+04 .5557E+03 .7753E+02 .7846E+02 .1611E+01 .2353E+03 .2773E+03

CLOSELY SPACED MODE SUMMATION METHOD

.7658E+03 .7753E+02 .7846E+02 .2111E+01 .4050E+04 .4047E+04 .7658E+03 .7753E+02 .7846E+02 .2111E+01 .2353E+03 .2773E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 11 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.2974E+03	-.2990E-03	.1093E+03	-.6270E+00	-.2353E+03	-.3390E-02	-.2974E+03	-.2990E-03	.1093E+03	-.6270E+00	.5230E+04	.1156E-01
.4695E+03	.1084E+03	-.1503E-02	-.1484E+01	.1590E-01	.2773E+03	.4695E+03	.1084E+03	-.1503E-02	-.1484E+01	-.5937E-01	-.5141E-04
.2384E-08	.2147E-03	.1335E-08	.5964E-07	-.1370E-07	.2201E-07	.2384E-08	.2147E-03	.1335E-08	.5964E-07	.5307E-07	.8534E-07
.4358E-02	.2058E-05	-.1176E+00	.2100E-05	.2846E+01	.4981E-04	.4358E-02	.2058E-05	-.1176E+00	.2100E-05	-.3035E+01	-.5312E-04
.3359E-03	.3132E-01	.6198E-06	-.1115E-05	-.1515E-04	.7655E+00	.3359E-03	.3132E-01	.6198E-06	-.1115E-05	.1584E-04	-.8004E+00

SQUARE ROOT SUM OF THE SQUARES

.5558E+03 .1084E+03 .1093E+03 .1611E+01 .2353E+03 .2773E+03 .5558E+03 .1084E+03 .1093E+03 .1611E+01 .5230E+04 .5141E+04

CLOSELY SPACED MODE SUMMATION METHOD

.7670E+03 .1084E+03 .1093E+03 .2111E+01 .2353E+03 .2773E+03 .7670E+03 .1084E+03 .1093E+03 .2111E+01 .5230E+04 .5141E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 12 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.1227E+01	-.1327E-01	.6185E+01	.8694E-07	-.1735E+02	-.2910E-01	.1227E+01	-.1327E-01	.6185E+01	.8694E-07	.3599E+02	.8540E-01
.6111E+01	.4692E+03	-.6564E+01	-.9627E-01	.5652E+02	.4047E+04	.6111E+01	.4692E+03	-.6564E+01	-.9627E-01	.2150E-03	.4825E-08
.3113E-09	.3652E-08	-.2052E-08	-.6447E-08	.1770E-07	.3150E-07	.3113E-09	.3652E-08	-.2052E-08	-.6447E-08	.2846E-18	-.8206E-21
-.1595E-05	.4145E-05	-.1224E-04	.3411E-12	.2158E-04	-.2957E-04	-.1585E-05	.4145E-05	-.1224E-04	.3411E-12	-.8402E-04	-.6533E-04



CLOSELY SPACED MODE SUMMATION METHOD  
 .7338E+03 .1084E+03 .1093E+03 .111E+01 .2353E+03 .2773E+03 .7670E+03 .1084E+03 .1093E+03 .2111E+01 .230E+04 .514E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 12 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.1227E+01	-.1327E-01	.6185E+01	.8694E-07	-.1735E+02	-.2910E-01	.1227E+01	-.1327E-01	.6185E+01	.8694E-07	.3599E+02	.8540E-01
.6111E+01	.4692E+03	-.6564E+01	-.9627E-01	.5652E+02	.4047E+04	.6111E+01	.4692E+03	-.6564E+01	-.9627E-01	.2150E-05	.4826E-08
.3113E-09	.3652E-08	-.2052E-08	-.6447E-08	.1770E-07	.3150E-07	.3113E-09	.3652E-08	-.2052E-08	-.6447E-08	.2846E-18	-.8206E-21
-.1585E-05	.4145E-05	-.1224E-04	.3411E-12	.2158E-04	-.2957E-04	-.1585E-05	.4145E-05	-.1224E-04	.3411E-12	-.8402E-04	-.6533E-04
-.2684E-01	.3312E-03	.1024E-07	-.1476E-09	.1653E-04	-.5382E+00	-.2684E-01	.3312E-03	.1024E-07	-.1476E-09	.1651E-04	-.5410E+00

SQUARE ROOT SUM OF THE SQUARES

.6233E+01 .4692E+03 .9019E+01 .9627E-01 .5922E+02 .4047E+04 .6233E+01 .4692E+03 .9019E+01 .9627E-01 .3599E+02 .5477E+00

CLOSELY SPACED MODE SUMMATION METHOD

.7338E+01 .4692E+03 .1275E+02 .9627E-01 .7397E+02 .4047E+04 .7338E+01 .4692E+03 .1275E+02 .9627E-01 .3599E+02 .5478E+00

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 13 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.1227E+01	.1292E-01	-.6185E+01	.8704E-07	.3599E+02	.8540E-01	.1227E+01	.1292E-01	-.6185E+01	.8704E-07	-.1735E+02	-.2608E-01
-.6111E+01	.4692E+03	-.6564E+01	-.9627E-01	.2150E-05	.4875E-03	-.6111E+01	.4692E+03	-.6564E+01	-.9627E-01	-.5652E+02	-.4047E+04
-.3113E-09	.3652E-08	-.2052E-08	-.6447E-08	.8809E-19	.1588E-21	-.3113E-09	.3652E-08	-.2052E-08	-.6447E-08	-.1770E-07	.3150E-07
-.1585E-05	.4145E-05	.1224E-04	.2416E-12	-.8402E-04	-.6533E-04	-.1585E-05	.4145E-05	.1224E-04	.2416E-12	.2158E-04	-.2957E-04
-.2684E-01	.3312E-03	-.1024E-07	-.1476E-09	.1651E-04	-.5410E+00	-.2684E-01	.3312E-03	-.1024E-07	-.1476E-09	.1653E-04	-.5382E+00

SQUARE ROOT SUM OF THE SQUARES

.6233E+01 .4692E+03 .9019E+01 .9627E-01 .3599E+02 .5477E+00 .6233E+01 .4692E+03 .9019E+01 .9627E-01 .5922E+02 .4047E+04

CLOSELY SPACED MODE SUMMATION METHOD

.7338E+01 .4692E+03 .1275E+02 .9627E-01 .3599E+02 .5478E+00 .7338E+01 .4692E+03 .1275E+02 .9627E-01 .7397E+02 .4047E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 14 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.2974E+03	.1913E-03	.7846E+02	.6270E+00	-.4050E+04	.1200E-01	-.2974E+03	.1913E-03	.7846E+02	.6270E+00	-.2353E+03	.3183E-02
-.4694E+03	.7753E+02	.1195E-02	-.1484E+01	-.7394E-01	.4047E+04	-.4694E+03	.7753E+02	.1195E-02	-.1484E+01	-.1583E-01	.2773E+03
-.2332E-09	.3335E-09	-.2079E-09	.5964E-07	.2391E-07	.3822E-07	-.2332E-09	.3335E-09	-.2079E-09	.5964E-07	.1370E-07	.2201E-07
.4337E-02	.1633E-05	.9329E-01	-.2100E-05	-.1690E+01	.2957E-04	.4337E-02	.1633E-05	.9329E-01	-.2100E-05	.2846E+01	-.4991E-04
.3351E-03	.2591E-01	-.5307E-06	.1115E-05	.1055E-04	.5382E+03	.3351E-03	.2591E-01	-.5307E-06	.1115E-05	-.1515E-04	-.7655E+00

SQUARE ROOT SUM OF THE SQUARES

.5557E+03 .7753E+02 .7846E+02 .1611E+01 .4050E+04 .4047E+04 .5557E+03 .7753E+02 .7846E+02 .1611E+01 .2353E+03 .2773E+03

CLOSELY SPACED MODE SUMMATION METHOD

.7669E+03 .7753E+02 .7846E+02 .2111E+01 .4050E+04 .4047E+04 .7669E+03 .7753E+02 .7846E+02 .2111E+01 .2353E+03 .2773E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 15 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.2974E+03	-.2192E-03	.1093E+03	.6270E+00	-.2353E+03	.3183E-02	-.2974E+03	-.2192E-03	.1093E+03	.6270E+00	.5230E+04	-.7726E-02
-.4694E+03	.1084E+03	.1517E-02	-.1484E+01	-.1583E-01	.2773E+03	-.4694E+03	.1084E+03	.1517E-02	-.1484E+01	.6000E-01	-.5141E+04
-.2394E-08	.2147E-08	-.1335E-08	.5964E-07	.1370E-07	.2201E-07	-.2394E-08	.2147E-08	-.1335E-08	.5964E-07	-.5307E-07	-.8534E-07
-.4358E-02	-.2058E-05	-.1176E+00	-.2100E-05	.2846E+01	-.4981E-04	-.4358E-02	-.2058E-05	-.1176E+00	-.2100E-05	-.3035E+01	.5312E-04
.3369E-03	-.3132E-01	.6198E-06	.1115E-05	-.1515E-04	-.7665E+00	.3369E-03	-.3132E-01	.6198E-06	.1115E-05	.1584E-04	.8004E+00

SQUARE ROOT SUM OF THE SQUARES

.5558E+03 .1084E+03 .1093E+03 .1611E+01 .2353E+03 .2773E+03 .5558E+03 .1084E+03 .1093E+03 .1611E+01 .5230E+04 .5141E+04

CLOSELY SPACED MODE SUMMATION METHOD

.7670E+03 .1084E+03 .1093E+03 .2111E+01 .2353E+03 .2773E+03 .7670E+03 .1084E+03 .1093E+03 .2111E+01 .5230E+04 .5141E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 16 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.1237E+02	-.2972E+03	.1227E+01	.1408E-01	-.1673E+02	-.4050E+04	-.1237E+02	-.2972E+03	.1227E+01	.1408E-01	-.6138E+01	-.1486E+04
.5554E-01	-.4229E-01	.1223E+02	-.1487E-07	-.5811E-02	-.1702E+00	.5554E-01	-.4229E-01	.1223E+02	-.1487E-07	.4734E+02	.1945E+00



SQUARE ROOT SUM OF THE SQUARES  
 .5135E+03 .1084E+03 .1093E+03 .511E+01 .2353E+03 .2773E+03 .5558E+03 .1084E+03 .1093E+03 .1611E+01 .230E+04 .514E+04  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .7670E+03 .1084E+03 .1093E+03 .2111E+01 .2353E+03 .2773E+03 .7670E+03 .1084E+03 .1093E+03 .2111E+01 .5230E+04 .5141E+04

ELEMENT TYPE (3/0) P I P E ) / / / ELEMENT NUMBER ( 16)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.1237E+02	-.2972E+03	.1227E+01	-.1408E-01	-.1673E+02	-.4050E+04	-.1237E+02	-.2972E+03	.1227E+01	-.1408E-01	-.6138E+01	-.1486E+04
.6554E+01	-.4229E-01	.1223E+02	-.1487E-07	-.5811E+02	-.1702E+00	.6554E+01	-.4229E-01	.1223E+02	-.1487E-07	.4734E+02	.1945E+00
.3858E-09	.1274E-08	-.2993E-08	-.6728E-08	.4193E-07	.1737E-07	.3858E-09	.1274E-08	-.2993E-08	-.6728E-08	.1612E-07	.6376E-08
-.9342E-01	.4293E-02	.4910E-07	.4565E-14	.1948E-04	-.1690E+01	-.9342E-01	.4293E-02	.4910E-07	.4565E-14	.1990E-04	-.1727E+01
-.5417E-06	.6611E-05	-.4772E-05	-.8775E-12	.1764E-04	.1065E-04	-.5417E-06	.6611E-05	-.4772E-05	-.8775E-12	-.2352E-04	-.4951E-05

SQUARE ROOT SUM OF THE SQUARES  
 .1400E+02 .2972E+03 .1229E+02 .1408E-01 .6047E+02 .4050E+04 .1400E+02 .2972E+03 .1229E+02 .1408E-01 .4774E+02 .1486E+04  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .1393E+02 .2973E+03 .1345E+02 .1408E-01 .7483E+02 .4050E+04 .1393E+02 .2973E+03 .1345E+02 .1408E-01 .5348E+02 .1487E+04

ELEMENT TYPE (3/0) P I P E ) / / / ELEMENT NUMBER ( 17)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.2563E-05	-.2973E+03	.1228E+01	-.1408E-01	-.5138E+01	-.1486E+04	-.2563E-05	-.2973E+03	.1228E+01	-.1408E-01	.6138E+01	.1486E+04
.6554E+01	-.1732E-04	.7243E-07	-.1458E-07	.4734E+02	.1945E+00	.6554E+01	-.1732E-04	.7243E-07	-.1458E-07	.4734E+02	.1947E+00
-.8674E-18	.1275E-09	-.3224E-08	-.6728E-08	.1612E-07	-.6376E-08	-.8674E-18	.1275E-09	-.3224E-08	-.6728E-08	.1612E-07	-.6376E-08
-.9343E-01	.1013E-12	-.4356E-15	.7988E-14	.1990E-04	-.1727E+01	-.9343E-01	.1013E-12	-.4356E-15	.7988E-14	.1990E-04	-.1727E+01
.5417E-06	-.3357E-12	.2096E-12	-.8900E-12	-.2352E-04	.4951E-05	.5417E-06	-.3357E-12	.2096E-12	-.8900E-12	-.2352E-04	.4951E-05

SQUARE ROOT SUM OF THE SQUARES  
 .6554E+01 .2973E+03 .1228E+01 .1408E-01 .4774E+02 .1486E+04 .6554E+01 .2973E+03 .1228E+01 .1408E-01 .4774E+02 .1486E+04  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .6554E+01 .2973E+03 .1228E+01 .1408E-01 .5348E+02 .1487E+04 .6554E+01 .2973E+03 .1228E+01 .1408E-01 .5348E+02 .1487E+04

ELEMENT TYPE (3/0) P I P E ) / / / ELEMENT NUMBER ( 18)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.1237E+02	-.2972E+03	.1228E+01	-.1408E-01	-.5138E+01	-.1486E+04	.1237E+02	-.2972E+03	.1228E+01	-.1408E-01	.1673E+02	.4050E+04
.6554E+01	.4225E-01	-.1223E+02	-.1504E-07	.4734E+02	.1947E+00	.6554E+01	.4225E-01	-.1223E+02	-.1504E-07	-.5811E+02	-.1597E+00
-.3858E-09	.1274E-08	-.2993E-08	-.6728E-08	-.1512E-07	-.6376E-08	-.3858E-09	.1274E-08	-.2993E-08	-.6728E-08	.4193E-07	-.1737E-07
-.9342E-01	.4293E-02	.4910E-07	.2491E-14	.1990E-04	-.1727E+01	-.9342E-01	.4293E-02	.4910E-07	.2491E-14	.1948E-04	-.1690E+01
.5417E-06	-.6611E-06	.4772E-05	-.9717E-12	-.2352E-04	.4951E-05	.5417E-06	-.6611E-06	.4772E-05	-.9717E-12	.1764E-04	.1065E-04

SQUARE ROOT SUM OF THE SQUARES  
 .1400E+02 .2972E+03 .1229E+02 .1408E-01 .4774E+02 .1486E+04 .1400E+02 .2972E+03 .1229E+02 .1408E-01 .6047E+02 .4050E+04  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .1893E+02 .2973E+03 .1345E+02 .1408E-01 .5348E+02 .1487E+04 .1893E+02 .2973E+03 .1345E+02 .1408E-01 .7483E+02 .4050E+04



SSSSSSSS	SS	SS	SSSSSSSS	SSSSSS	SSSSSSSS	SS	SS	SS	RMP356U
SSSSSSSS	SS	SS	SSSSSSSS	SSSSSS	SSSSSSSS	SS	SS	SS	RMP356U
SS	SS	SSSS	SSSS	SS	SS	SS	SS	SS	RMP356U
SS	SS	SSSS	SSSS	SS	SS	SS	SS	SS	RMP356U
SSSSSSSS	SS	SS	SSSSSSSS	SSSS	SSSSSSSS	SS	SS	SS	RMP356U
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BENCHMARK PROBLEM NO. 3 - MODIFIED REACTOR SYSTEM





# BENCHMARK PROBLEM NO. 3 DYNAMIC RESPONSE OF A MODIFIED REACTOR SYSTEM

OPTION	0	0	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000
BAND	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SHOCK	0	6	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
AN	0	15	0.0000	-2.5000	0.0000	0.0000	0.0000	0.0000
RE	0	15	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
AN	0	16	2.2708	-2.5000	0.0000	0.0000	0.0000	0.0000
RE	0	16	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
AN	0	17	2.2708	-2.5000	1.4375	0.0000	0.0000	0.0000
RE	0	17	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
AN	0	18	0.0000	-2.5000	1.4375	0.0000	0.0000	0.0000
RE	0	18	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
JU	0	8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
AN	0	19	1.1771	1.0104	.7604	0.0000	0.0000	0.0000
JU	0	13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JU	0	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JU	0	7	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JU	0	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JU	0	11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JU	0	6	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JU	0	10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
IN	0	1	17.2700	17.2700	17.2700	0.0000	0.0000	0.0000
IN	0	2	17.2700	17.2700	17.2700	0.0000	0.0000	0.0000
IN	0	3	17.2700	17.2700	17.2700	0.0000	0.0000	0.0000
IN	0	4	17.2700	17.2700	17.2700	0.0000	0.0000	0.0000
IN	0	5	16.7200	16.7200	16.7200	0.0000	0.0000	0.0000
IN	0	6	3.4500	3.4500	3.4500	0.0000	0.0000	0.0000
IN	0	7	16.7200	16.7200	16.7200	0.0000	0.0000	0.0000
IN	0	8	3.4500	3.4500	3.4500	0.0000	0.0000	0.0000



IN	0	6	3.4500	3.4500	3.4500	0.0000	0.0000	0.0000
IN	0	7	16.7200	16.7200	16.7200	0.0000	0.0000	0.0000
IN	0	8	3.4500	3.4500	3.4500	0.0000	0.0000	0.0000

BENCHMARK PROBLEM NO. 3 DYNAMIC RESPONSE OF A MODIFIED REACTOR SYSTEM

IN	0	9	16.7200	16.7200	16.7200	0.0000	0.0000	0.0000
IN	0	10	3.4500	3.4500	3.4500	0.0000	0.0000	0.0000
IN	0	11	16.7200	16.7200	16.7200	0.0000	0.0000	0.0000
IN	0	12	33.4400	33.4400	33.4400	0.0000	0.0000	0.0000
IN	0	13	50.1600	50.1600	50.1600	0.0000	0.0000	0.0000
IN	0	14	33.4400	33.4400	33.4400	0.0000	0.0000	0.0000
SE	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PI	15	14	2.3750	.1540	27.9000	0.0000	0.0000	4.5000
RU	15	1	0.0000	2.5000	0.0000	0.0000	0.0000	0.0000
RU	1	7	0.0000	1.5520	0.0000	0.0000	0.0000	0.0000
RU	7	6	-.2083	0.0000	.7188	0.0000	0.0000	0.0000
RU	6	5	.2083	0.0000	.7188	0.0000	0.0000	0.0000
RU	5	4	0.0000	-1.5520	0.0000	0.0000	0.0000	0.0000
RU	4	18	0.0000	-2.5000	0.0000	0.0000	0.0000	0.0000
RU	16	2	0.0000	2.5000	0.0000	0.0000	0.0000	0.0000
RU	2	9	0.0000	1.5520	0.0000	0.0000	0.0000	0.0000
RU	9	10	.2083	0.0000	.7188	0.0000	0.0000	0.0000
RU	10	11	-.2083	0.0000	.7188	0.0000	0.0000	0.0000
RU	11	3	0.0000	-1.5520	0.0000	0.0000	0.0000	0.0000
RU	3	17	0.0000	-2.5000	0.0000	0.0000	0.0000	0.0000
RU	6	8	1.3438	-.5000	0.0000	0.0000	0.0000	0.0000
RU	8	10	1.3438	.5000	0.0000	0.0000	0.0000	0.0000
RU	6	12	.2083	5.0000	0.0000	0.0000	0.0000	0.0000
RU	8	13	0.0000	7.1667	0.0000	0.0000	0.0000	0.0000
RU	8	30	.6500	0.0000	.4100	0.0000	0.0000	0.0000
EL	30	31	0.0000	0.0000	0.0000	24.6880	0.0000	0.0000
RU	31	11	.4900	.5000	.3200	0.0000	0.0000	0.0000
RU	8	32	-.6500	0.0000	.4100	0.0000	0.0000	0.0000







## BANDWIDTH MINIMIZATION PHASE

## NODAL POINT INPUT DATA

NODE NUMBER	BOUNDARY CONDITION CODES						NODAL POINT COORDINATES				
	X	Y	Z	XX	YY	ZZ	X	Y	Z	T	
1	1	1	1	1	1	1	0.000	-30.000	0.000	0	0.000
2	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000
3	0	0	0	0	0	0	0.000	18.624	0.000	0	0.000
4	0	0	0	0	0	0	-2.500	18.624	8.626	0	0.000
5	0	0	0	0	0	0	0.000	18.624	17.251	0	0.000
6	0	0	0	0	0	0	0.000	0.000	17.251	0	0.000
7	1	1	1	1	1	1	0.000	-30.000	17.251	0	0.000
8	1	1	1	1	1	1	27.250	-30.000	0.000	0	0.000
9	0	0	0	0	0	0	27.250	0.000	0.000	0	0.000
10	0	0	0	0	0	0	27.250	18.624	0.000	0	0.000
11	0	0	0	0	0	0	29.750	18.624	8.626	0	0.000
12	0	0	0	0	0	0	27.250	18.624	17.251	0	0.000
13	0	0	0	0	0	0	27.250	0.000	17.251	0	0.000
14	1	1	1	1	1	1	27.250	-30.000	17.251	0	0.000
15	0	0	0	0	0	0	13.628	12.624	8.626	0	0.000
16	0	0	0	0	0	0	0.000	78.624	8.626	0	0.000
17	0	0	0	0	0	0	13.628	98.628	8.626	0	0.000
18	0	0	0	0	0	0	13.721	12.624	8.684	0	0.000
19	0	0	0	0	0	0	27.230	18.544	17.334	0	0.000
20	0	0	0	0	0	0	13.536	12.624	8.684	0	0.000
21	0	0	0	0	0	0	.027	18.544	17.334	0	0.000
22	0	0	0	0	0	0	13.536	12.624	8.567	0	0.000
23	0	0	0	0	0	0	.027	18.544	-.083	0	0.000
24	0	0	0	0	0	0	13.721	12.624	8.567	0	0.000
25	0	0	0	0	0	0	27.230	18.544	-.083	0	0.000
26	1	1	1	1	1	1	14.128	12.132	9.126	0	0.000
27	0	0	0	0	0	0	27.257	78.624	8.626	0	0.000





# GENERATED NODAL DATA

NODE NUMBER	BOUNDARY			CONDITION CODES			NODAL POINT COORDINATES			
	X	Y	Z	XX	YY	ZZ	X	Y	Z	T
1	1	1	1	1	1	1	0.000	-30.000	0.000	0.000
2	0	0	0	0	0	0	0.000	0.000	0.000	0.000
3	0	0	0	0	0	0	0.000	18.624	0.000	0.000
4	0	0	0	0	0	0	-2.500	18.624	8.626	0.000
5	0	0	0	0	0	0	0.000	18.624	17.251	0.000
6	0	0	0	0	0	0	0.000	0.000	17.251	0.000
7	1	1	1	1	1	1	0.000	-30.000	17.251	0.000
8	1	1	1	1	1	1	27.250	-30.000	0.000	0.000
9	0	0	0	0	0	0	27.250	0.000	0.000	0.000
10	0	0	0	0	0	0	27.250	18.624	0.000	0.000
11	0	0	0	0	0	0	27.250	18.624	8.626	0.000
12	0	0	0	0	0	0	27.250	18.624	17.251	0.000
13	0	0	0	0	0	0	27.250	0.000	17.251	0.000
14	1	1	1	1	1	1	27.250	-30.000	17.251	0.000
15	0	0	0	0	0	0	13.628	12.624	8.626	0.000
16	0	0	0	0	0	0	0.000	78.624	8.626	0.000
17	0	0	0	0	0	0	13.628	98.628	8.626	0.000
18	0	0	0	0	0	0	13.721	12.624	8.684	0.000
19	0	0	0	0	0	0	27.230	18.544	17.334	0.000
20	0	0	0	0	0	0	13.536	12.624	8.684	0.000
21	0	0	0	0	0	0	.027	18.544	17.334	0.000
22	0	0	0	0	0	0	13.536	12.624	8.567	0.000
23	0	0	0	0	0	0	.027	18.544	-0.083	0.000
24	0	0	0	0	0	0	13.721	12.624	8.567	0.000
25	0	0	0	0	0	0	27.230	18.544	-0.083	0.000
26	1	1	1	1	1	1	14.128	12.132	9.126	0.000
27	0	0	0	0	0	0	27.257	78.624	8.626	0.000

ORIGINAL LABELING -  
 \*\* FINAL LABELING -

BANDWIDTH  
 BANDWIDTH

20  
 7

PRCFLE  
 PROFILE

135  
 60



RESULTS OF NODE RENUMBERING:

OLD NCDE	NEW NCDE	NEW NCDE	OLD NCDE
1	2	1	7
2	4	2	1
3	6	3	6
4	11	4	2
5	5	5	5
6	3	6	3
7	1	7	16
8	26	8	23
9	25	9	21
10	24	10	14
11	22	11	4
12	19	12	22
13	17	13	20
14	10	14	18
15	18	15	17
16	7	16	19
17	15	17	13
18	14	18	15
19	16	19	12
20	13	20	27
21	9	21	24
22	12	22	11
23	8	23	25
24	21	24	10
25	23	25	9
26	27	26	8
27	20	27	26



# BENCHMARK PROBLEM NO. 3 DYNAMIC RESPONSE OF A MODIFIED REACTOR SYSTEM

## CONTROL INFORMATION

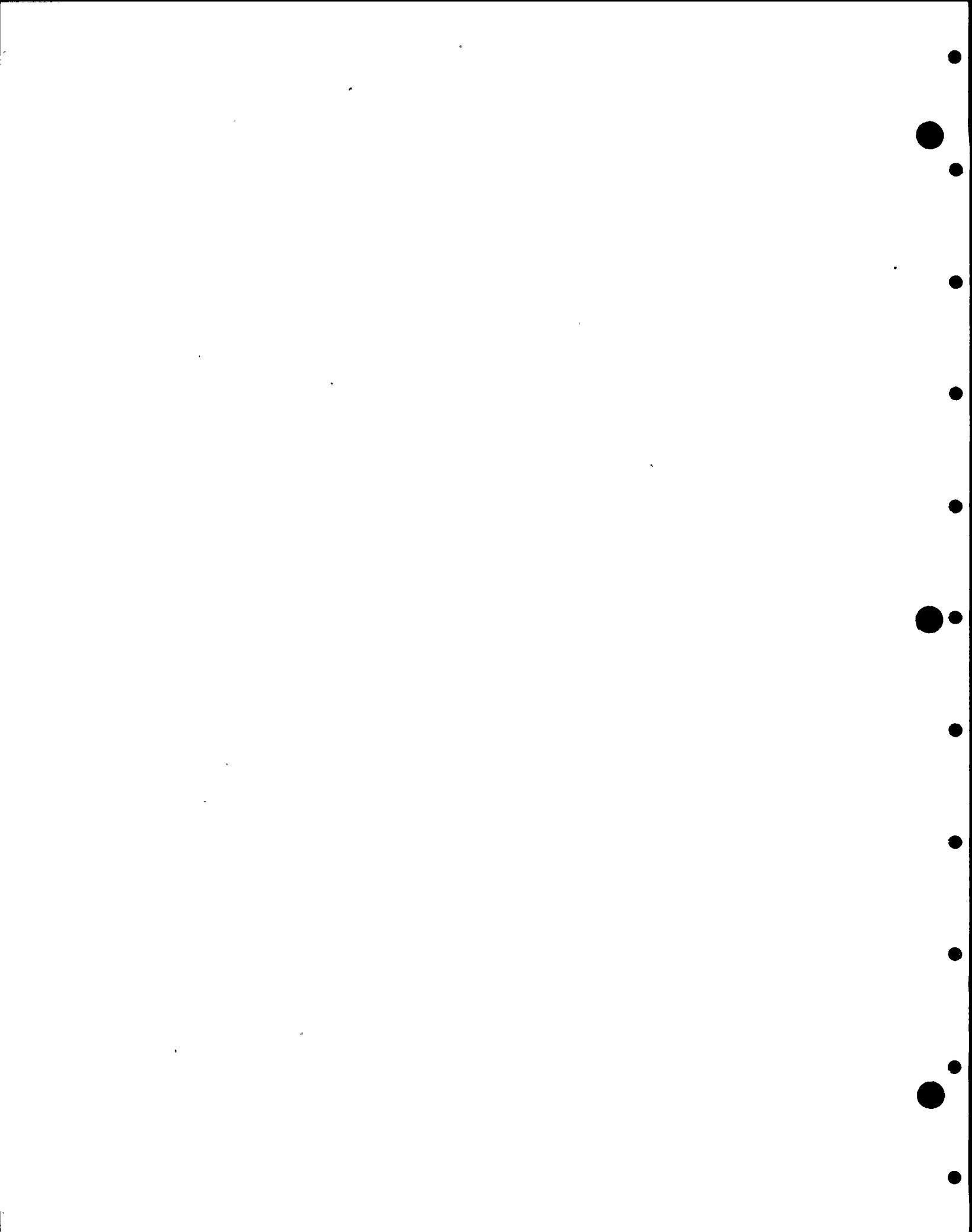
NUMBER OF NODAL POINTS = 27  
 NUMBER OF ELEMENT TYPES = 2  
 NUMBER OF LOAD CASES = 0  
 NUMBER OF FREQUENCIES = 6  
 ANALYSIS CODE (NDYN) = 1  
 EQ.0, STATIC  
 EQ.1, MODAL EXTRACTION  
 EQ.2, FORCED RESPONSE  
 EQ.3, RESPONSE SPECTRUM  
 EQ.4, DIRECT INTEGRATION  
 SOLUTION CODE (MCDEX) = 0  
 EQ.0, EXECUTION  
 EQ.1, DATA CHECK  
 NUMBER OF SUBSPACE  
 ITERATION VECTORS (NAD) = 0  
 EQUATIONS PER BLOCK = 0  
 TAPE10 SAVE FLAG (N10SV) = 0

## NODAL POINT INPUT DATA

NODES		BOUNDARY CONDITION CODES						NODAL POINT COORDINATES					
SAP	THR	X	Y	Z	XX	YY	ZZ	X	Y	Z		T	
1	18	1	1	1	1	1	1	0.000	-30.000	17.251	0	0.000	
2	15	1	1	1	1	1	1	0.000	-30.000	0.000	0	0.000	
3	4	0	0	0	0	0	0	0.000	0.000	17.251	0	0.000	
4	1	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	
5	5	0	0	0	0	0	0	0.000	18.624	17.251	0	0.000	
6	7	0	0	0	0	0	0	0.000	18.624	0.000	0	0.000	
7	12	0	0	0	0	0	0	0.000	78.624	8.626	0	0.000	
8	35	0	0	0	0	0	0	.027	18.544	-.083	0	0.000	
9	33	0	0	0	0	0	0	.027	18.544	17.334	0	0.000	
10	17	1	1	1	1	1	1	27.250	-30.000	17.251	0	0.000	
11	6	0	0	0	0	0	0	-2.500	18.624	8.626	0	0.000	
12	34	0	0	0	0	0	0	13.536	12.624	8.567	0	0.000	
13	32	0	0	0	0	0	0	13.536	12.624	8.684	0	0.000	
14	30	0	0	0	0	0	0	13.721	12.624	8.684	0	0.000	
15	13	0	0	0	0	0	0	13.628	98.628	8.626	0	0.000	
16	31	0	0	0	0	0	0	27.230	18.544	17.334	0	0.000	
17	3	0	0	0	0	0	0	27.250	0.000	17.251	0	0.000	
18	8	0	0	0	0	0	0	13.628	12.624	8.626	0	0.000	
19	11	0	0	0	0	0	0	27.250	18.624	17.251	0	0.000	
20	14	0	0	0	0	0	0	27.257	78.624	8.626	0	0.000	
21	36	0	0	0	0	0	0	13.721	12.624	8.567	0	0.000	
22	10	0	0	0	0	0	0	29.750	18.624	8.626	0	0.000	
23	37	0	0	0	0	0	0	27.230	18.544	-.083	0	0.000	
24	9	0	0	0	0	0	0	27.250	18.624	0.000	0	0.000	
25	2	0	0	0	0	0	0	27.250	0.000	0.000	0	0.000	
26	16	1	1	1	1	1	1	27.250	-30.000	0.000	0	0.000	
27	19	1	1	1	1	1	1	14.128	12.132	9.126	0	0.000	

## GENERATED NODAL DATA

NODES		BOUNDARY CONDITION CODES						NODAL POINT COORDINATES					
SAP	THR	X	Y	Z	XX	YY	ZZ	X	Y	Z		T	
1	18	1	1	1	1	1	1	0.000	-30.000	17.251	0	0.000	
2	15	1	1	1	1	1	1	0.000	-30.000	0.000	0	0.000	
3	4	0	0	0	0	0	0	0.000	0.000	17.251	0	0.000	



# GENERATED NODAL DATA

NODES		BOUNDARY CONDITION CODES							NODAL POINT COORDINATES			
SAP	THR	X	Y	Z	XX	YY	ZZ		X	Y	Z	T
1	18	1	1	1	1	1	1		0.000	-30.000	17.251	0.000
2	15	1	1	1	1	1	1		0.000	-30.000	0.000	0.000
3	4	0	0	0	0	0	0		0.000	0.000	17.251	0.000
4	1	0	0	0	0	0	0		0.000	0.000	0.000	0.000
5	5	0	0	0	0	0	0		0.000	18.624	17.251	0.000
6	7	0	0	0	0	0	0		0.000	18.624	0.000	0.000
7	12	0	0	0	0	0	0		0.000	78.624	8.626	0.000
8	35	0	0	0	0	0	0		.027	18.544	-.083	0.000
9	33	0	0	0	0	0	0		.027	18.544	17.334	0.000
10	17	1	1	1	1	1	1		27.250	-30.000	17.251	0.000
11	6	0	0	0	0	0	0		-2.500	18.624	8.626	0.000
12	34	0	0	0	0	0	0		13.536	12.624	8.567	0.000
13	32	0	0	0	0	0	0		13.536	12.624	8.684	0.000
14	30	0	0	0	0	0	0		13.721	12.624	8.684	0.000
15	13	0	0	0	0	0	0		13.628	98.628	8.626	0.000
16	31	0	0	0	0	0	0		27.230	18.544	17.334	0.000
17	3	0	0	0	0	0	0		27.250	0.000	17.251	0.000
18	8	0	0	0	0	0	0		13.628	12.624	8.626	0.000
19	11	0	0	0	0	0	0		27.250	18.624	17.251	0.000
20	14	0	0	0	0	0	0		27.257	78.624	8.626	0.000
21	36	0	0	0	0	0	0		13.721	12.624	8.567	0.000
22	10	0	0	0	0	0	0		29.750	18.624	8.626	0.000
23	37	0	0	0	0	0	0		27.230	18.544	-.083	0.000
24	9	0	0	0	0	0	0		27.250	18.624	0.000	0.000
25	2	0	0	0	0	0	0		27.250	0.000	0.000	0.000
26	16	1	1	1	1	1	1		27.250	-30.000	0.000	0.000
27	19	1	1	1	1	1	1		14.128	12.132	9.126	0.000

## EQUATION NUMBERS

N	X	Y	Z	XX	YY	ZZ
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	1	2	3	4	5	6
4	7	8	9	10	11	12
5	13	14	15	16	17	18
6	19	20	21	22	23	24
7	25	26	27	28	29	30
8	31	32	33	34	35	36
9	37	38	39	40	41	42
10	0	0	0	0	0	0
11	43	44	45	46	47	48
12	49	50	51	52	53	54
13	55	56	57	58	59	60
14	61	62	63	64	65	66
15	67	68	69	70	71	72
16	73	74	75	76	77	78
17	79	80	81	82	83	84
18	85	86	87	88	89	90
19	91	92	93	94	95	96
20	97	98	99	100	101	102
21	103	104	105	106	107	108
22	109	110	111	112	113	114
23	115	116	117	118	119	120
24	121	122	123	124	125	126
25	127	128	129	130	131	132
26	0	0	0	0	0	0
27	0	0	0	0	0	0





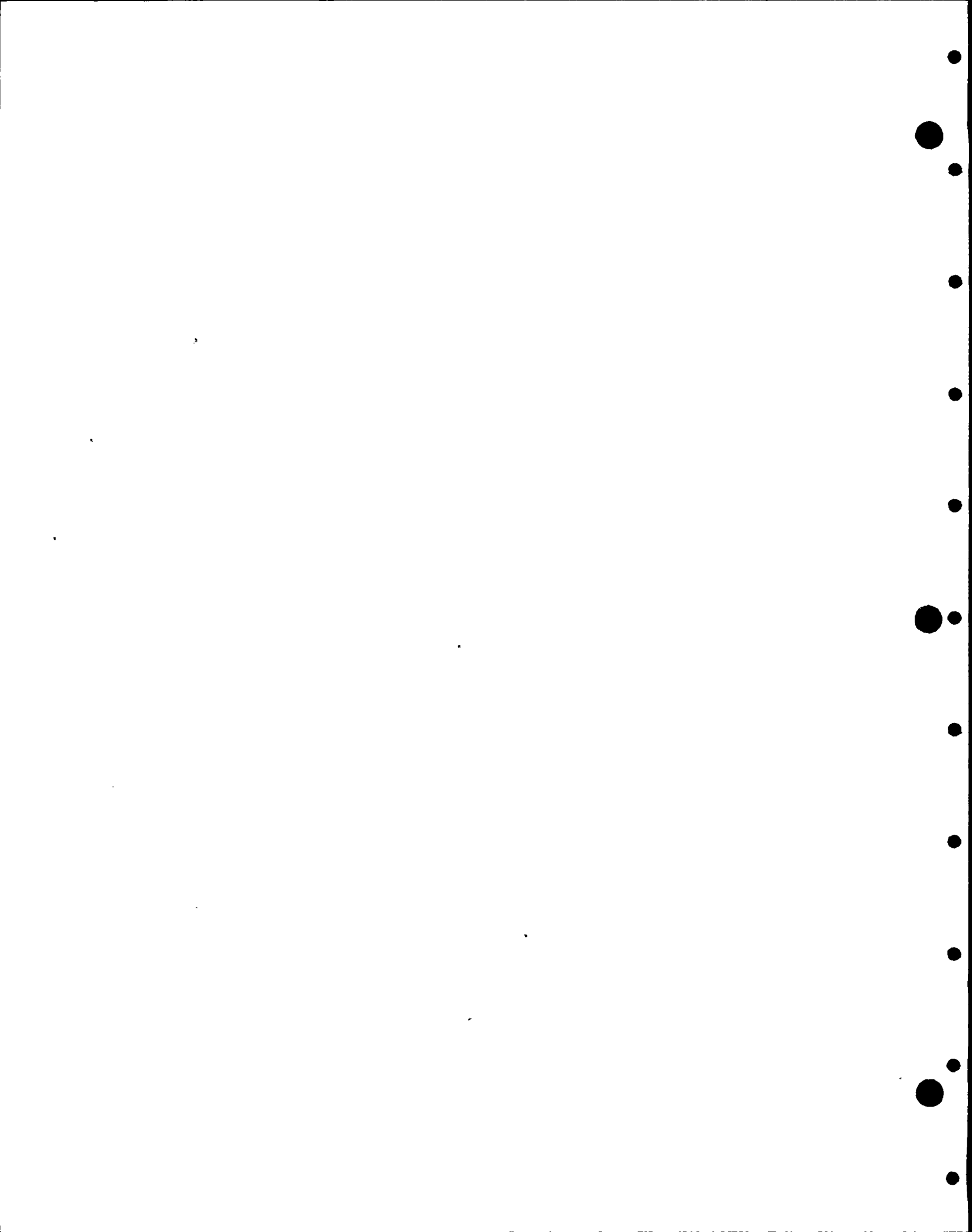
# BOUNDARY ELEMENTS

ELEMENT TYPE = 7  
NUMBER OF ELEMENTS = 1

## ELEMENT LOAD CASE MULTIPLIERS

CASE(A)	CASE(B)	CASE(C)	CASE(D)
1.0000	0.0000	0.0000	0.0000

ELEM. NO.	NODE (N)		NODES DEFINING (NI)				CONSTRAINT (NJ)				DIRECTION (NK)				CODE KD	CDE KR	GENERATION CODE (KN)	SPECIFIED DISPLACEMENT	SPECIFIED ROTATION	SPRING RATE
	SAP	THR	SAP	THR	SAP	THR	SAP	THR	SAP	THR	SAP	THR								
1	15	13	27	19	0	0	0	0	0	0	0	0	0	1	0	0	0.	0.	.1000E+11	



# PIPE ELEMENT INPUT DATA

## CONTROL INFORMATION

NUMBER OF PIPE ELEMENTS = 29

NUMBER OF MATERIAL SETS = 1

MAXIMUM NUMBER OF MATERIAL  
TEMPERATURE INPUT POINTS = 1

NUMBER OF SECTION PROPERTY SETS = 1

NUMBER OF BRANCH POINT NODES = 0

MAXIMUM NUMBER OF TANGENTS  
COMMON TO A BRANCH POINT = 4

FLAG FOR NEGLECTING AXIAL  
DEFORMATIONS IN BEND ELEMENTS = 0  
(EQ.1, NEGLECT)

## MATERIAL PROPERTY TABLES

MATERIAL NUMBER = ( 1 )  
NUMBER OF  
TEMPERATURE POINTS = ( 1 )  
IDENTIFICATION = ( )

POINT NUMBER	TEMPERATURE	YOUNG'S MODULUS	POISSON'S RATIO	THERMAL EXPANSION
1	0.00	27900000.0	.300	0.



# SECTION PROPERTY TABLE

SECTION NUMBER	OUTSIDE DIAMETER	WALL THICKNESS	SHAPE FACTOR FOR SHEAR	WEIGHT/ UNIT LENGTH	MASS/ UNIT LENGTH	DESCRIPTION
1	2.375	.1540	0.0000	.4500E+01	.1165E-01	

# ELEMENT LOAD CASE MULTIPLIERS

	CASE A	CASE B	CASE C	CASE D
X-DIRECTION GRAVITY	0.000	0.000	0.000	0.000
Y-DIRECTION GRAVITY	0.000	0.000	0.000	0.000
Z-DIRECTION GRAVITY	0.000	0.000	0.000	0.000
THERMAL DISTORTION	0.000	0.000	0.000	0.000
PRESSURE DISTORTION	0.000	0.000	0.000	0.000



# PIPE ELEMENT INPUT DATA

ELEMENT NUMBER	ELEMENT TYPE	NODE -I	NODE -J	MATL. NUMBER	SECTION NUMBER	REFERENCE TEMPERATURE (BEND RADIUS)	INTERNAL PRESSURE (THIRD POINT)	D I R E C T I O N A(YX) (X3- ORDINATE)	C O S I N E S A(YX) (Y3- ORDINATE)	A(YZ) (Z3- ORDINATE)	NODE INCREMENT (WALL FRACTION)	INPUT TAG
1	TANGENT	15	1	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
2	TANGENT	1	7	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
3	TANGENT	7	6	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
4	TANGENT	6	5	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
5	TANGENT	5	4	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
6	TANGENT	4	18	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
7	TANGENT	16	2	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
8	TANGENT	2	9	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
9	TANGENT	9	10	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
10	TANGENT	10	11	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
11	TANGENT	11	3	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
12	TANGENT	3	17	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
13	TANGENT	6	8	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
14	TANGENT	8	10	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
15	TANGENT	6	12	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
16	TANGENT	8	13	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
17	TANGENT	8	30	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
18	BEND	30	31	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	IC
( 24.690) (TI) ( 21.428) ( 12.624) ( 13.546) ( .1000)												
19	TANGENT	31	11	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
20	TANGENT	8	32	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
21	BEND	32	33	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	IC
( 24.690) (TI) ( 5.828) ( 12.624) ( 13.546) ( .1000)												
22	TANGENT	33	5	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
23	TANGENT	8	34	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
24	BEND	34	35	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	IC
( 24.690) (TI) ( 5.828) ( 12.624) ( 3.706) ( .1000)												
25	TANGENT	35	7	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
26	TANGENT	8	36	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
27	BEND	36	37	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	IC
( 24.690) (TI) ( 21.428) ( 12.624) ( 3.706) ( .1000)												
28	TANGENT	37	9	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
29	TANGENT	10	14	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II

NUMBER OF EQUATIONS PER BLOCK= 132 FOR 6 MODES. MTOT= 130999

NO. OF MODES FOR THIS DYNAMIC ANALYSIS IS 6 MODES





EQUATION PARAMETERS

TOTAL NUMBER OF EQUATIONS	=	132
BANDWIDTH	=	48
NUMBER OF EQUATIONS IN A BLOCK	=	132
NUMBER OF BLOCKS	=	1



# NODAL LOADS (STATIC) GR MASSES (DYNAMIC)

NODE SAP	LOAD THR	CASE	X-AXIS FORCE	Y-AXIS FORCE	Z-AXIS FORCE	X-AXIS MOMENT	Y-AXIS MOMENT	Z-AXIS MOMENT
3	4	0	.44700E-01	.44700E-01	.44700E-01	0.	0.	0.
4	1	0	.44700E-01	.44700E-01	.44700E-01	0.	0.	0.
5	5	0	.43300E-01	.43300E-01	.43300E-01	0.	0.	0.
6	7	0	.43300E-01	.43300E-01	.43300E-01	0.	0.	0.
7	12	0	.86500E-01	.86500E-01	.86500E-01	0.	0.	0.
11	6	0	.89300E-02	.89300E-02	.89300E-02	0.	0.	0.
15	13	0	.13000E+00	.13000E+00	.13000E+00	0.	0.	0.
17	3	0	.44700E-01	.44700E-01	.44700E-01	0.	0.	0.
18	8	0	.89300E-02	.89300E-02	.89300E-02	0.	0.	0.
19	11	0	.43300E-01	.43300E-01	.43300E-01	0.	0.	0.
20	14	0	.86500E-01	.86500E-01	.86500E-01	0.	0.	0.
22	10	0	.89300E-02	.89300E-02	.89500E-02	0.	0.	0.
24	9	0	.43300E-01	.43300E-01	.43300E-01	0.	0.	0.
25	2	0	.44700E-01	.44700E-01	.44700E-01	0.	0.	0.

STRUCTURE LOAD CASE	ELEMENT A	LOAD B	MULTIPLIERS C	D
1	0.000	0.000	0.000	0.000



# EIGENVALUE ANALYSIS

DETERMINANT SEARCH SOLUTION IS CARRIED OUT

## CONTROL INFORMATION

FLAG FOR ADDITIONAL PRINTING = 0  
EQ.0, SUPPRESS  
EQ.1, PRINT

STURM SEQUENCE CHECK FLAG (\*) = 0  
EQ.0, PERFORM CHECK  
EQ.1, PASS

MAXIMUM ITERATION CYCLES (\*) = 16

CONVERGENCE TOLERANCE (\*) = .1000E-04

CUT-OFF FREQUENCY (CPS) = .1000E+09

NUMBER OF STARTING ITERATION  
VECTORS TO BE READ FROM  
TAPE10 (\*) = 0

(\*) APPLICABLE TO SUBSPACE  
ITERATION SOLUTIONS ONLY

SOLUTION IS SOUGHT FOR FOLLOWING EIGENPROBLEM

NUMBER OF EQUATIONS = 132

HALF BANDWIDTH OF STIFFNESS MATRIX = 48

NUMBER OF EQUATION BLOCKS = 1

NUMBER OF EQUATIONS PER BLOCK = 132

NUMBER OF EIGENVALUES REQUIRED = 6

WE SOLVED FOR THE FOLLOWING EIGENVALUES

.128689156421E+03 .138703851931E+03 .405388116410E+03 .478025375073E+03 .494666707398E+03 .524514956314E+03

THE FOLLOWING ARE PHYSICAL ERROR BOUNDS ON THE EIGENPAIRS

.152313812448E-07 .588811418386E-08 .592407549270E-08 .301800540844E-09 .640697637320E-08 .102520973835E-08



WE SOLVED FOR THE FOLLOWING EIGENVALUES

.128689156421E+03 .138703851931E+03 .405388116410E+03 .00025375073E+03 .494646707398E+03 .520514956314E+03

THE FOLLOWING ARE PHYSICAL ERROR BOUNDS ON THE EIGENPAIRS

.152313812448E-07 .588811418386E-08 .592407549270E-08 .301800540844E-09 .640697637320E-08 .102520973835E-08

PRINT OF FREQUENCIES

MODE NUMBER	CIRCULAR FREQUENCY (RAD/SEC)	FREQUENCY (CYCLES/SEC)	PERIOD (SEC)
1	.1134E+02	.1805E+01	.5539E+00
2	.1178E+02	.1874E+01	.5335E+00
3	.2013E+02	.3204E+01	.3121E+00
4	.2186E+02	.3480E+01	.2874E+00
5	.2224E+02	.3540E+01	.2825E+00
6	.2290E+02	.3645E+01	.2743E+00

PRINT OF EIGENVECTORS





# NODE DISPLACEMENTS / ROTATIONS

NODE NUMBER	EIGEN- VECTOR	X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
SAP THR							
27 19	1	0.	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.	0.
26 16	1	0.	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.	0.
25 2	1	-.60129E-02	.42690E-03	.10528E-01	.45121E-03	-.14339E-03	.20944E-03
	2	.90876E-02	.18482E-03	.58247E-02	.26239E-03	-.62173E-04	-.54106E-03
	3	.68746E-01	-.56777E-03	-.39389E-02	-.35870E-04	.16985E-03	-.33850E-02
	4	.68847E-02	.45648E-03	.44638E-02	.10495E-03	-.12754E-03	.26855E-05
	5	-.11110E-02	-.11486E-02	-.59335E-01	-.26181E-02	.10610E-04	.11969E-04
	6	.14751E-01	.98817E-03	.22720E-01	.98931E-03	-.14915E-02	-.60865E-03
24 9	1	-.67103E-02	.69191E-03	.15766E-01	.98141E-05	-.23241E-03	-.21228E-03
	2	.20816E-01	.29954E-03	.93298E-02	.63221E-04	-.10077E-03	-.69329E-03
	3	.12414E+00	-.92019E-03	.40136E-03	.59321E-03	.27530E-03	-.21038E-02
	4	-.38006E-02	.73982E-03	.26077E-02	-.38091E-03	-.20672E-03	.13306E-02
	5	.23405E-04	-.18615E-02	-.92811E-01	-.46101E-03	.17197E-04	-.15867E-03
	6	.21076E-01	.16015E-02	.34927E-01	.11940E-03	-.24175E-02	.74487E-04
23 37	1	-.67074E-02	.70071E-03	.15757E-01	.86181E-05	-.23117E-03	-.21880E-03
	2	.20770E-01	.32051E-03	.93215E-02	.63351E-04	-.99593E-04	-.69488E-03
	3	.12396E+00	-.83208E-03	.36161E-03	.59901E-03	.28322E-03	-.20693E-02
	4	-.36741E-02	.68343E-03	.26315E-02	-.38091E-03	-.20801E-03	.13185E-02
	5	.91073E-05	-.18975E-02	-.92773E-01	-.45731E-03	.17783E-04	-.15400E-03
	6	.21285E-01	.16109E-02	.34866E-01	.12081E-03	-.24198E-02	.75262E-04
22 10	1	-.89285E-02	.69459E-03	.16419E-01	.53451E-04	-.16169E-03	-.13874E-03
	2	.19736E-01	-.14618E-02	.96480E-02	.31581E-04	-.94102E-04	-.64980E-03
	3	.12550E+00	-.11535E-01	-.10247E-04	-.63041E-07	.22936E-07	-.32597E-02
	4	-.52219E-02	.95018E-02	.30496E-02	.31791E-04	-.43620E-05	.32730E-02
	5	-.55943E-04	.23623E-03	-.92832E-01	-.12381E-02	-.91002E-04	.68134E-04
	6	-.30207E-07	-.13446E-07	.41079E-01	.13441E-02	-.23590E-02	.95668E-09
21 36	1	-.94335E-02	.20642E-02	.13879E-01	.90231E-03	-.62833E-06	.24171E-03
	2	.16360E-01	.75671E-02	.81680E-02	.52691E-03	.16758E-06	-.44257E-03
	3	.12107E+00	-.17339E-03	-.11284E-04	.10591E-04	.49824E-05	.42920E-03
	4	.94764E-04	-.43538E-02	.28972E-02	.35861E-04	-.14639E-05	-.16065E-04
	5	.73268E-05	.66848E-04	-.90769E-01	-.16811E-03	.88319E-06	.15011E-05
	6	.14367E-03	-.42351E-06	.24105E-03	.15121E-05	-.24701E-02	.57255E-06
20 14	1	-.76075E-03	.10341E-02	.24605E-01	.18741E-03	-.15613E-03	-.13483E-03
	2	.76810E-01	.90916E-03	.14797E-01	.11841E-03	-.90495E-04	-.11007E-02
	3	.10310E+01	.26079E-01	-.44932E-04	-.83361E-06	-.90803E-08	-.20960E-01
	4	-.10734E+01	-.34874E-01	.26380E-01	.56523E-03	.17802E-04	.25010E-01
	5	-.25974E-01	-.84046E-03	-.10512E+01	-.23233E-01	-.10050E-02	.61242E-03
	6	-.81225E-06	-.45943E-07	.10680E+01	.25045E-01	-.13744E-02	.19024E-07
19 11	1	-.10102E-01	-.18042E-03	.16080E-01	.24675E-03	-.73991E-04	.86201E-04
	2	.14802E-01	-.21051E-03	.93891E-02	.87083E-04	-.77563E-04	-.51964E-03



20 14

1	-.367E-03	-.4751E-03	-.2410E-03	-.1512E-05	-.24701E-02	-.57255E-03
2	-.76075E-03	-.10341E-02	-.24605E-01	-.1870E-03	-.15613E-03	-.13483E-03
3	-.76810E-01	-.90916E-03	-.14797E-01	-.11E-03	-.90495E-04	-.11007E-02
4	-.10310E+01	-.26079E-01	-.44932E-04	-.833E-06	-.90803E-08	-.20960E-01
5	-.10734E+01	-.34874E-01	-.26380E-01	-.56528E-03	-.17802E-04	-.25010E-01
6	-.25974E-01	-.84046E-03	-.10512E+01	-.23233E-01	-.10050E-02	-.61242E-03
7	-.81225E-06	-.45943E-07	-.10680E+01	-.25045E-01	-.13744E-02	-.19024E-07

19 11

1	-.10102E-01	-.18042E-03	-.16080E-01	-.24674E-03	-.73991E-04	-.86201E-04
2	-.18842E-01	-.21051E-03	-.93891E-02	-.87083E-04	-.77563E-04	-.51964E-03
3	-.12414E+00	-.91971E-03	-.42165E-03	-.59338E-03	-.27526E-03	-.21039E-02
4	-.39357E-02	-.61197E-03	-.34498E-02	-.41457E-03	-.19339E-03	-.13341E-02
5	-.31768E-04	-.19119E-02	-.92780E-01	-.43366E-03	-.32244E-04	-.20220E-03
6	-.21076E-01	-.16015E-02	-.34927E-01	-.11939E-03	-.24174E-02	-.74501E-04

18 8

1	-.94332E-02	-.19936E-02	-.13879E-01	-.91497E-03	-.10141E-06	-.25525E-03
2	-.16361E-01	-.75791E-02	-.81681E-02	-.53282E-03	-.69947E-07	-.43675E-03
3	-.12108E+00	-.21881E-03	-.98854E-05	-.37637E-06	-.53826E-07	-.43185E-03
4	-.95099E-04	-.83517E-02	-.28965E-02	-.41194E-04	-.23340E-07	-.20092E-04
5	-.73430E-05	-.75072E-04	-.90769E-01	-.16832E-03	-.62930E-06	-.70538E-06
6	-.58619E-08	-.21683E-07	-.12201E-04	-.60013E-07	-.24684E-02	-.14209E-09

17 3

1	-.61803E-02	-.11132E-03	-.90631E-02	-.44119E-03	-.45651E-04	-.28268E-03
2	-.89895E-02	-.12988E-03	-.56957E-02	-.26217E-03	-.47855E-04	-.09842E-03
3	-.68745E-01	-.56747E-03	-.39261E-02	-.35300E-04	-.16983E-03	-.33850E-02
4	-.68179E-02	-.37760E-03	-.61684E-03	-.65650E-04	-.11932E-03	-.62777E-05
5	-.10132E-02	-.11797E-02	-.59508E-01	-.26193E-02	-.19894E-04	-.15141E-04
6	-.10751E-01	-.98817E-03	-.22720E-01	-.98934E-03	-.14915E-02	-.60865E-03

16 31

1	-.10101E-01	-.20302E-03	-.16059E-01	-.24913E-03	-.71782E-04	-.86903E-04
2	-.18794E-01	-.20789E-03	-.93799E-02	-.87633E-04	-.76730E-04	-.51702E-03
3	-.12396E+00	-.83158E-03	-.38189E-03	-.59923E-03	-.28318E-03	-.20694E-02
4	-.38102E-02	-.55251E-03	-.34229E-02	-.41444E-03	-.19480E-03	-.13224E-02
5	-.14601E-04	-.19449E-02	-.92744E-01	-.42987E-03	-.32920E-04	-.19678E-03
6	-.21285E-01	-.16109E-02	-.34866E-01	-.12082E-03	-.24198E-02	-.75276E-04

15 13

1	-.63392E+00	-.26148E-02	-.10863E+01	-.18224E-01	-.10141E-06	-.10750E-01
2	-.10853E+01	-.99292E-02	-.63249E+00	-.10607E-01	-.69947E-07	-.18402E-01
3	-.44106E-01	-.25750E-03	-.43916E-03	-.72897E-05	-.53826E-07	-.26621E-02
4	-.45009E-01	-.50929E-03	-.43123E-01	-.68015E-03	-.23340E-07	-.77232E-03
5	-.15910E-02	-.25555E-03	-.42618E-01	-.24072E-02	-.62930E-06	-.27233E-04
6	-.13383E-06	-.37609E-07	-.63723E-05	-.35341E-06	-.24684E-02	-.22997E-08

14 30

1	-.94326E-02	-.19648E-02	-.13878E-01	-.90951E-03	-.16192E-05	-.25509E-03
2	-.16361E-01	-.75092E-02	-.81679E-02	-.52813E-03	-.38973E-06	-.43477E-03
3	-.12107E+00	-.17335E-03	-.84768E-05	-.11340E-04	-.50906E-05	-.42920E-03
4	-.94800E-04	-.43582E-02	-.28959E-02	-.45773E-04	-.14580E-05	-.15403E-04
5	-.73462E-05	-.82867E-04	-.90769E-01	-.16771E-03	-.10250E-05	-.31446E-05
6	-.14368E-03	-.38040E-06	-.24105E-03	-.15114E-05	-.24701E-02	-.57285E-06

13 32

1	-.94336E-02	-.19212E-02	-.13879E-01	-.90480E-03	-.31814E-06	-.24666E-03
2	-.16360E-01	-.75839E-02	-.81672E-02	-.53624E-03	-.31191E-05	-.42375E-03
3	-.12107E+00	-.26407E-03	-.11278E-04	-.10405E-04	-.50279E-05	-.42869E-03
4	-.95398E-04	-.43547E-02	-.28959E-02	-.45991E-04	-.15571E-05	-.24126E-04
5	-.74135E-05	-.82990E-04	-.90769E-01	-.16770E-03	-.23214E-06	-.17572E-05
6	-.14368E-03	-.43094E-06	-.21664E-03	-.13907E-05	-.24701E-02	-.57335E-06

12 34

1	-.94327E-02	-.20206E-02	-.13878E-01	-.90707E-03	-.10806E-05	-.26004E-03
2	-.16361E-01	-.76417E-02	-.81687E-02	-.51887E-03	-.22807E-05	-.41596E-03
3	-.12107E+00	-.26411E-03	-.85021E-05	-.11151E-04	-.49206E-05	-.42868E-03
4	-.95440E-04	-.43503E-02	-.28972E-02	-.35647E-04	-.14696E-05	-.23464E-04
5	-.72856E-05	-.66972E-04	-.90769E-01	-.16817E-03	-.37828E-06	-.28892E-05
6	-.14367E-03	-.38739E-06	-.21664E-03	-.13911E-05	-.24701E-02	-.57294E-06

11 6

1	-.10462E-01	-.78305E-03	-.16416E-01	-.53411E-04	-.16150E-03	-.18018E-03
2	-.13895E-01	-.10958E-02	-.96462E-02	-.31561E-04	-.93968E-04	-.57133E-03
3	-.12570E+00	-.11630E-01	-.11720E-04	-.63442E-07	-.10041E-06	-.33213E-02
4	-.53955E-02	-.94741E-02	-.30489E-02	-.31753E-04	-.43140E-05	-.32378E-02
5	-.70373E-04	-.23597E-03	-.92812E-01	-.12383E-02	-.92337E-04	-.67090E-04
6	-.24349E-07	-.13550E-07	-.41071E-01	-.13445E-02	-.23590E-02	-.61434E-08

10 17

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.



		2	.895E-01	.1058E-02	.964E-02	.3156E-04	.93968E-04	.57133E-02
		3	.12570E+00	.11630E-01	.11720E-04	.6344E-07	.10041E-06	.33213E-02
		4	.53955E-02	.94741E-02	.30489E-02	.317E-04	.43140E-05	.32378E-02
		5	.70373E-04	.23597E-03	.92812E-01	.123E-02	.92337E-04	.67090E-04
		6	.20349E-07	.13550E-07	.41071E-01	.1344E-02	.23590E-02	.61434E-08
10	17	1	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.
		6	0.	0.	0.	0.	0.	0.
9	33	1	.85863E-02	.52449E-03	.15859E-01	.88211E+04	.17701E-03	.40113E-04
		2	.13626E-01	.34718E-03	.97168E-02	.3644E-03	.10475E-03	.29357E-03
		3	.12417E+00	.80621E-03	.35610E-03	.5952E-03	.28010E-03	.21061E-02
		4	.39518E-02	.55683E-03	.34332E-02	.4192E-03	.19915E-03	.13086E-02
		5	.38537E-04	.19441E-02	.92726E-01	.42941E-03	.31950E-04	.19637E-03
		6	.21285E-01	.16103E-02	.34842E-01	.12071E-03	.24199E-02	.75294E-04
8	35	1	.11976E-01	.38101E-03	.15951E-01	.1695E-03	.12543E-03	.34606E-03
		2	.11653E-01	.87664E-03	.89807E-02	.21361E-03	.28072E-03	.47157E-03
		3	.12417E+00	.80568E-03	.37893E-03	.59541E-03	.27990E-03	.21063E-02
		4	.38166E-02	.68775E-03	.26199E-02	.38571E-03	.21227E-03	.13046E-02
		5	.66004E-05	.18959E-02	.92756E-01	.45731E-03	.16474E-04	.15430E-03
		6	.21285E-01	.16103E-02	.34842E-01	.12073E-03	.24199E-02	.75280E-04
7	12	1	.27214E-01	.85278E-04	.24597E-01	.18733E-03	.15592E-03	.32833E-03
		2	.26695E-01	.27869E-02	.14793E-01	.11837E-03	.90351E-04	.72866E-03
		3	.10436E+01	.26602E-01	.49125E-04	.90595E-06	.65312E-07	.21238E-01
		4	.10632E+01	.34589E-01	.26378E-01	.56524E-03	.17909E-04	.24768E-01
		5	.25673E-01	.83053E-03	.10513E+01	.23240E-01	.10089E-02	.60508E-03
		6	.36181E-05	.13616E-06	.10680E+01	.25044E-01	.13717E-02	.86557E-07
6	7	1	.11993E-01	.35616E-03	.15969E-01	.16832E-03	.12743E-03	.34370E-03
		2	.11640E-01	.87613E-03	.89753E-02	.20954E-03	.28063E-03	.46261E-03
		3	.12436E+00	.90862E-03	.41671E-03	.58921E-03	.27196E-03	.21411E-02
		4	.39423E-02	.75309E-03	.25974E-02	.38552E-03	.21103E-03	.13168E-02
		5	.20769E-04	.18610E-02	.92794E-01	.46110E-03	.15857E-04	.15905E-03
		6	.21076E-01	.16015E-02	.34919E-01	.11930E-03	.24175E-02	.74474E-04
5	5	1	.86053E-02	.51588E-03	.15873E-01	.88245E-04	.17853E-03	.45035E-04
		2	.13611E-01	.36624E-03	.97406E-02	.35985E-03	.10260E-03	.28886E-03
		3	.12436E+00	.90912E-03	.39386E-03	.58905E-03	.27216E-03	.21410E-02
		4	.40766E-02	.62527E-03	.34588E-02	.4191E-03	.19779E-03	.13202E-02
		5	.57542E-04	.19124E-02	.92762E-01	.43335E-03	.31245E-04	.20188E-03
		6	.21076E-01	.16015E-02	.34920E-01	.11929E-03	.24175E-02	.74488E-04
4	1	1	.56293E-02	.21974E-03	.95437E-02	.44431E-03	.78624E-04	.31621E-03
		2	.11099E-01	.54056E-03	.75170E-02	.27414E-03	.17314E-03	.37085E-03
		3	.68630E-01	.56063E-03	.38999E-02	.35109E-04	.16779E-03	.33883E-02
		4	.66910E-02	.46467E-03	.44893E-02	.10502E-03	.13020E-03	.78404E-05
		5	.11155E-02	.11483E-02	.59323E-01	.26175E-02	.97837E-05	.12075E-04
		6	.14751E-01	.98814E-03	.22715E-01	.98912E-03	.14916E-02	.60865E-03
3	4	1	.54658E-02	.31829E-03	.10045E-01	.44797E-03	.11015E-03	.24309E-03
		2	.11195E-01	.22597E-03	.40016E-02	.25033E-03	.63301E-04	.41341E-03
		3	.68629E-01	.56094E-03	.39142E-02	.35750E-04	.16792E-03	.33883E-02
		4	.66248E-02	.35880E-03	.64312E-03	.65545E-04	.12203E-03	.11409E-04
		5	.13949E-02	.11800E-02	.59498E-01	.26183E-02	.19277E-04	.14435E-04
		6	.14751E-01	.98813E-03	.22715E-01	.98911E-03	.14915E-02	.60865E-03
2	15	1	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.
		6	0.	0.	0.	0.	0.	0.
1	18	1	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.
		6	0.	0.	0.	0.	0.	0.



1 18

5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.

# EIGENSOLUTION TIME LCG

EIGENSOLUTION = 1.89  
PRINTING = .07





# OVERALL TIME LOG

NODAL POINT INPUT	=	.47
ELEMENT STIFFNESS FORMATION	=	.28
NODAL LOAD INPUT	=	.02
TOTAL STIFFNESS FORMATION	=	.04
STATIC ANALYSIS	=	0.00
EIGENVALUE EXTRACTION	=	1.96
FORCED RESPONSE ANALYSIS	=	0.00
RESPONSE SPECTRUM ANALYSIS	=	0.00
STEP-BY-STEP INTEGRATION	=	0.00
TOTAL SOLUTION TIME	=	2.77



## BENCHMARK PROBLEM NO. 3

SA	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DI	0	1	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DI	0	2	.6670	0.0000	0.0000	0.0000	0.0000	0.0000
DI	0	3	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FR	1	6	.1000	3.0960	4.0000	5.0000	5.8140	7.0920
FR	7	12	8.7720	10.9900	14.0800	17.2400	34.9700	588.9000
G	1	6	1.0350	1.0350	2.2540	2.2540	1.8120	3.0750
G	7	12	3.0750	1.1390	2.0060	2.0060	.9830	.3750

ENDJOB



BENCHMARK PROBLEM NO. 3

CONTROL INFORMATION

NUMBER OF NODAL POINTS = 27  
NUMBER OF ELEMENT TYPES = 2  
NUMBER OF LOAD CASES = 0  
NUMBER OF FREQUENCIES = 6  
ANALYSIS CODE (NDYN) = -3  
EQ.0, STATIC  
EQ.1, MODAL EXTRACTION  
EQ.2, FORCED RESPONSE  
EQ.3, RESPONSE SPECTRUM  
EQ.4, DIRECT INTEGRATION  
SOLUTION MODE (MCDPX) = 0  
EQ.0, EXECUTION  
EQ.1, DATA CHECK  
NUMBER OF SUBSPACE  
ITERATION VECTORS (NAD) = 0  
EQUATIONS PER BLOCK = 0  
TAPE10 SAVE FLAG (N10SV) = 0



# RESPONSE SPECTRUM ANALYSIS

## DIRECTION FACTORS

X = 1.0000 Y = .6670 Z = 1.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION

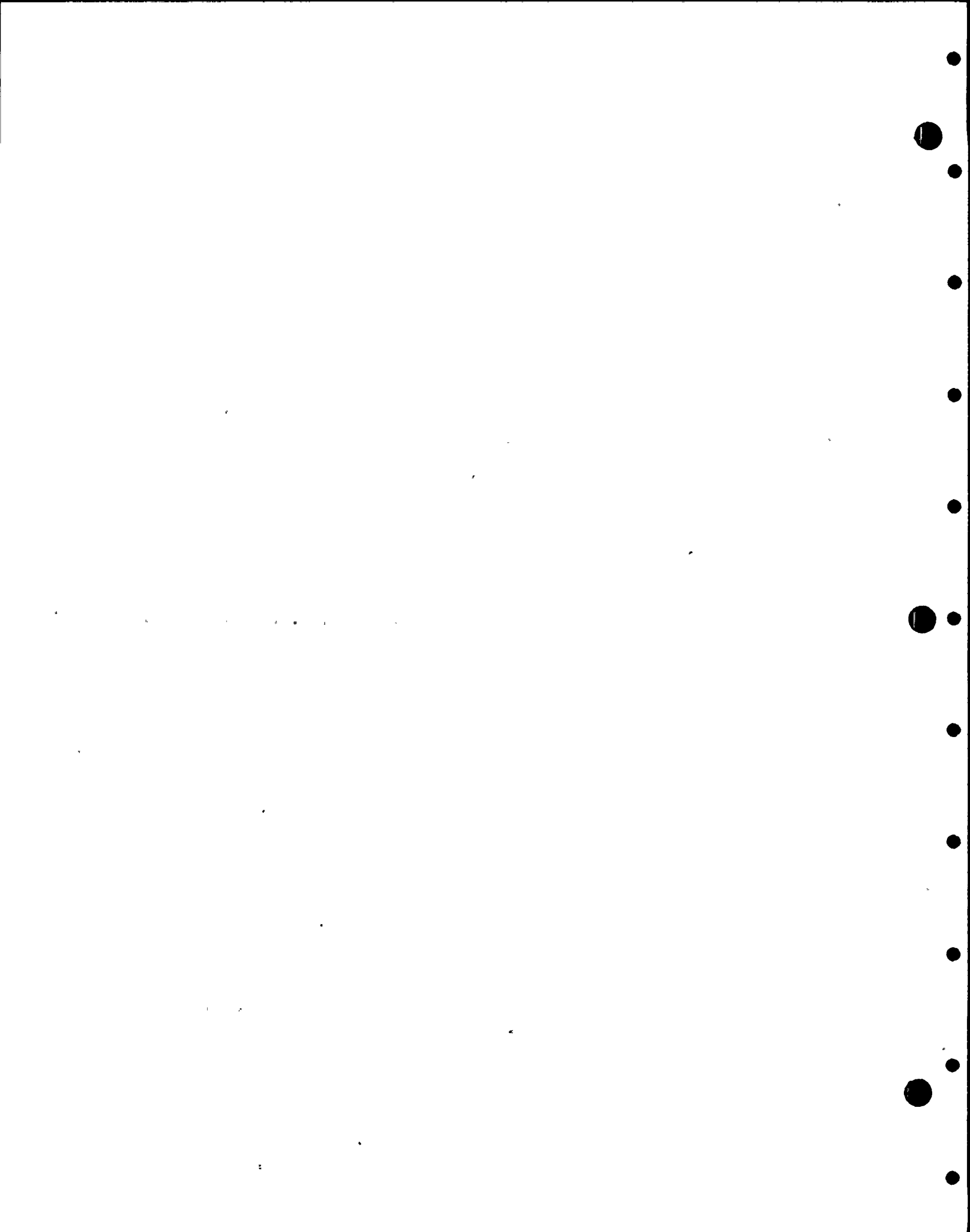
## MODAL PARTICIPATION FACTORS

MODE	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	-.4527E+00	.4429E-02	.7731E+00
2	.7769E+00	.1685E-01	.4510E+00
3	.1397E+01	-.5968E-03	-.3636E-03
4	.2434E-01	-.2280E-01	.6314E-01
5	.9044E-03	-.1662E-03	-.1288E+01
6	-.2273E-05	-.2847E-07	.3951E-04

## SPECTRUM TABLE (BENCHMARK PROBLEM NO. 3)

NUMBER OF POINTS = 12  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.2000E-02	.1449E+03
2	.2900E-01	.3792E+03
3	.5800E-01	.7751E+03
4	.7100E-01	.7751E+03
5	.9100E-01	.4401E+03
6	.1140E+00	.1182E+04
7	.1410E+00	.1182E+04
8	.1720E+00	.7002E+03
9	.2000E+00	.8709E+03
10	.2500E+00	.8709E+03
11	.3230E+00	.3999E+03
12	.1000E+02	.3999E+03





NODE DISPLACEMENTS/ROTATIONS

NODE NUMBER SAP TMR	MODE NUMBER	X= TRANSLATION	Y= TRANSLATION	Z= TRANSLATION	X= ROTATION	Y= ROTATION	Z= ROTATION
27 19	1	0.	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.	0.
MAXIMUM VALUE		0.	0.	0.	0.	0.	0.
ABSOLUTE SUM		0.	0.	0.	0.	0.	0.
SQRT. SUM OF SQ		0.	0.	0.	0.	0.	0.
CLS LY SP MODES		0.	0.	0.	0.	0.	0.
26 16	1	0.	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.	0.
MAXIMUM VALUE		0.	0.	0.	0.	0.	0.
ABSOLUTE SUM		0.	0.	0.	0.	0.	0.
SQRT. SUM OF SQ		0.	0.	0.	0.	0.	0.
CLS LY SP MODES		0.	0.	0.	0.	0.	0.
25 2	1	-.22962E-01	.16302E-02	.40205E-01	.17231E-02	-.5a758E-03	.79978E-03
	2	.32468E-01	.66031E-03	.20810E-01	.93741E-03	-.22213E-03	-.19331E-02
	3	.11152E+00	-.92106E-03	-.63898E-02	-.58191E-04	.27554E-03	-.54913E-02
	4	.93141E-03	.61756E-04	.60389E-03	.14197E-04	-.17255E-04	.36331E-06
	5	-.19150E-02	-.19798E-02	-.10228E+00	-.45121E-02	.18289E-04	.20631E-04
	6	.83922E-06	.56221E-07	.12926E-05	.56287E-07	-.84860E-07	-.34629E-07
MAXIMUM VALUE		.11152E+00	.19798E-02	.10228E+00	.45126E-02	.5a758E-03	.54913E-02
ABSOLUTE SUM		.16980E+00	.52532E-02	.17029E+00	.72455E-02	.10809E-02	.82452E-02
SQRT. SUM OF SQ		.11842E+00	.28046E-02	.11203E+00	.49207E-02	.65249E-03	.58763E-02
CLS LY SP MODES		.12540E+00	.32213E-02	.11982E+00	.52512E-02	.82411E-03	.61341E-02
2a 9	1	-.25625E-01	.26422E-02	.60205E-01	.37477E-04	-.88752E-03	-.81062E-03
	2	.74372E-01	.10702E-02	.33333E-01	.22590E-03	-.36003E-03	-.24770E-02
	3	.20139E+00	-.14928E-02	.65111E-03	.96239E-03	-.44660E-03	-.34129E-02
	4	-.51417E-03	.10009E-03	.35279E-03	-.51539E-04	-.27966E-04	.18002E-03
	5	.40343E-04	-.32087E-02	-.15998E+00	-.79465E-03	.20643E-04	-.27349E-03
	6	.11991E-05	.91117E-07	.19872E-05	.67932E-08	-.13754E-06	.42379E-08
MAXIMUM VALUE		.20139E+00	.32087E-02	.15998E+00	.96239E-03	.88752E-03	.34129E-02
ABSOLUTE SUM		.30194E+00	.85141E-02	.25452E+00	.20720E-02	.17519E-02	.71540E-02
SQRT. SUM OF SQ		.21621E+00	.45454E-02	.17415E+00	.12699E-02	.10576E-02	.43067E-02
CLS LY SP MODES		.22531E+00	.52209E-02	.18563E+00	.13457E-02	.13357E-02	.48878E-02
23 37	1	-.25614E-01	.26758E-02	.60173E-01	.32911E-04	-.88277E-03	-.83553E-03
	2	.74205E-01	.11451E-02	.33303E-01	.22633E-03	-.35582E-03	-.24827E-02
	3	.20109E+00	-.13498E-02	.58662E-03	.97188E-03	.45945E-03	-.33568E-02
	4	-.49706E-03	.92459E-04	.35600E-03	-.51541E-04	-.28141E-04	.17837E-03
	5	.15698E-04	-.32706E-02	-.15991E+00	-.78830E-03	.30652E-04	-.26545E-03
	6	.12110E-05	.91652E-07	.19837E-05	.68750E-08	-.13767E-06	.42820E-08
MAXIMUM VALUE		.20109E+00	.32706E-02	.15991E+00	.97188E-03	.88277E-03	.33568E-02
ABSOLUTE SUM		.30142E+00	.85340E-02	.25433E+00	.20710E-02	.17570E-02	.71189E-02
SQRT. SUM OF SQ		.21587E+00	.45825E-02	.17408E+00	.12732E-02	.10577E-02	.42699E-02



23 37	1	25614F-01	26758E-02	60113E-01	32911E-04	88277E-03	83553E-03
	2	74205E-01	11451E-02	33303F-01	22630E-03	35582E-03	24827E-02
	3	20109E+00	13498E-02	58662E-03	97110E-03	45945E-03	33568E-02
	4	49706E-03	92459E-04	35600E-03	51541E-04	28141E-04	17837E-03
	5	15698E-04	32706E-02	15991E+00	78830E-03	30652E-04	26545E-03
	6	12110E-05	91652E-07	19837E-05	68750E-08	13767E-06	42820E-08

MAXIMUM VALUE	20109E+00	32706E-02	15991E+00	97188E-03	88277E-03	33568E-02
ABSOLUTE SUM	30142E+00	85340E-02	25433E+00	20710E-02	17570E-02	71189E-02
SQRT, SUM OF SQ	21587E+00	45825E-02	17408E+00	12732E-02	10577E-02	42699E-02
CLSLY SP MODES	22494E+00	52898E-02	18554E+00	13481E-02	13321E-02	48655E-02

22 10	1	34095E-01	26524E-02	62698E-01	20412E-03	61746F-03	52981E-03
	2	70512E-01	52227E-02	34470E-01	11285E-03	33621E-03	23216E-02
	3	20360E+00	18713E-01	16623F-04	10227E-06	37207E-07	52880E-02
	4	70645E-03	12855E-02	41257F-03	43015E-05	59012E-06	44280E-03
	5	96429E-04	40720E-03	16001E+00	21352E-02	15686E-03	11744E-03
	6	17186E-11	76499E-12	23371E-05	76501E-07	13422E-06	54430E-13

MAXIMUM VALUE	20360E+00	18713E-01	16001E+00	21352E-02	61746E-03	52880E-02
ABSOLUTE SUM	30901E+00	28281E-01	25761E+00	24567E-02	11113E-02	86997E-02
SQRT, SUM OF SQ	21815E+00	19655E-01	17528E+00	21481E-02	72035E-03	58175E-02
CLSLY SP MODES	22953E+00	21522E-01	18756E+00	21639E-02	96660E-03	64102E-02

21 36	1	36024E-01	78826E-02	53000E-01	34458E-02	23994E-05	92302E-03
	2	58452E-01	27036E-01	29182E-01	18827E-02	59872E-06	15812E-02
	3	19641E+00	28128E-03	18305F-04	17186E-04	80826E-05	69627E-03
	4	12820E-04	58901E-03	39195F-03	48520E-05	19805E-06	21733E-05
	5	12629E-04	11523E-03	15646E+00	28990E-03	15223E-05	25875E-05
	6	81739E-08	24095E-10	13714E-07	86036E-10	14054E-06	32575E-10

MAXIMUM VALUE	19641E+00	27036E-01	15646E+00	34458E-02	80826E-05	15812E-02
ABSOLUTE SUM	29091E+00	35904E-01	23905E+00	56405E-02	12942E-04	32053E-02
SQRT, SUM OF SQ	20807E+00	28169E-01	16775F+00	39374E-02	85919E-05	19548E-02
CLSLY SP MODES	21796E+00	34931E-01	17708E+00	53367E-02	89959E-05	25998E-02

20 14	1	29051E-02	39488E-02	93958E-01	71565E-03	59621E-03	51489E-03
	2	27442E+00	32482E-02	52866E-01	42305E-03	32332E-03	39327E-02
	3	16725E+01	42306E-01	72891F-04	13521E-05	14730E-07	34002E-01
	4	10522E+00	47181E-02	35688E-02	76473E-04	24084E-05	33836E-02
	5	44771E-01	14487E-02	18120E+01	40053E-01	17323E-02	10556E-02
	6	46212E-10	26139E-11	60768E-04	14249E-05	78194E-07	10824E-11

MAXIMUM VALUE	16725E+01	42306E-01	18120E+01	40053E-01	17323E-02	34002E-01
ABSOLUTE SUM	21398E+01	55670E-01	19626F+01	41274E-01	26544E-02	42889E-01
SQRT, SUM OF SQ	17017E+01	28995E-01	18152E+01	40063E-01	18604E-02	30416E-01
CLSLY SP MODES	18429E+01	47737E-01	18216E+01	40153E-01	19635E-02	37759E-01

19 11	1	38575E-01	68897E-03	61406F-01	94223E-03	28255E-03	32918E-03
	2	67319E-01	75210E-03	33545E-01	31113E-03	27712E-03	18565E-02
	3	20139F+00	14920E-02	68402F-03	96261E-03	44653E-03	34130E-02
	4	53245E-03	8292E-04	46671E-03	5608E-04	26163E-04	18048E-03
	5	54206E-04	32955E-02	15992E+00	74753E-03	55579E-04	34854E-03
	6	11991E-05	91117E-07	19872E-05	67921E-08	13754E-06	42387E-08

MAXIMUM VALUE	20139E+00	32955E-02	15992E+00	96261E-03	44653E-03	34130E-02
ABSOLUTE SUM	30788E+00	63115E-02	25603E+00	30193E-02	10881E-02	61278E-02
SQRT, SUM OF SQ	21582E+00	37595E-02	17456F+00	15727E-02	59983E-03	39189E-02
CLSLY SP MODES	22801E+00	39954E-02	18639F+00	18032E-02	73667E-03	42353E-02

18 8	1	36023E-01	76131E-02	53000E-01	34943E-02	38726E-06	97475E-03
	2	58453E-01	27078E-01	29183E-01	19033E-02	20990E-06	15604E-02
	3	19641E+00	35496E-03	16037E-04	61057E-06	87320E-07	70057F-03
	4	12866E-04	58873E-03	39186F-03	55733E-05	31576E-08	27182F-05
	5	12657E-04	12940E-03	15646E+00	29013E-03	10847E-05	12159E-05
	6	33351E-12	12336E-11	69418E-09	34143E-11	14044E-06	80839E-14

MAXIMUM VALUE	19641E+00	27078E-01	15646E+00	34943E-02	10847E-05	15604E-02
ABSOLUTE SUM	29092E+00	35764E-01	23905E+00	56943E-02	19528E-05	32397E-02
SQRT, SUM OF SQ	20807E+00	28137E-01	16775E+00	39893E-02	11901E-05	19687E-02
CLSLY SP MODES	21797E+00	34707E-01	17708E+00	54053E-02	13864E-05	26309E-02

17 3	1	23601F-01	42509E-03	34610E-01	16843F-02	17433F-03	10795E-02
	2	32117F-01	46404E-03	20349E-01	9366E-03	17097E-03	17807E-02
	3	11152E+00	92057E-03	63692E-02	57265E-04	27550E-03	54913E-02
	4	9237E-03	51084E-04	83451E-04	88813E-05	16142E-04	84930E-06



MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT, SUM OF SQ  
CLS LY SP MODES

17 3

1  
2  
3  
4  
5  
6

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT, SUM OF SQ  
CLS LY SP MODES

16 31

1  
2  
3  
4  
5  
6

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT, SUM OF SQ  
CLS LY SP MODES

15 13

1  
2  
3  
4  
5  
6

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT, SUM OF SQ  
CLS LY SP MODES

14 30

1  
2  
3  
4  
5  
6

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT, SUM OF SQ  
CLS LY SP MODES

13 32

1  
2  
3  
4  
5  
6

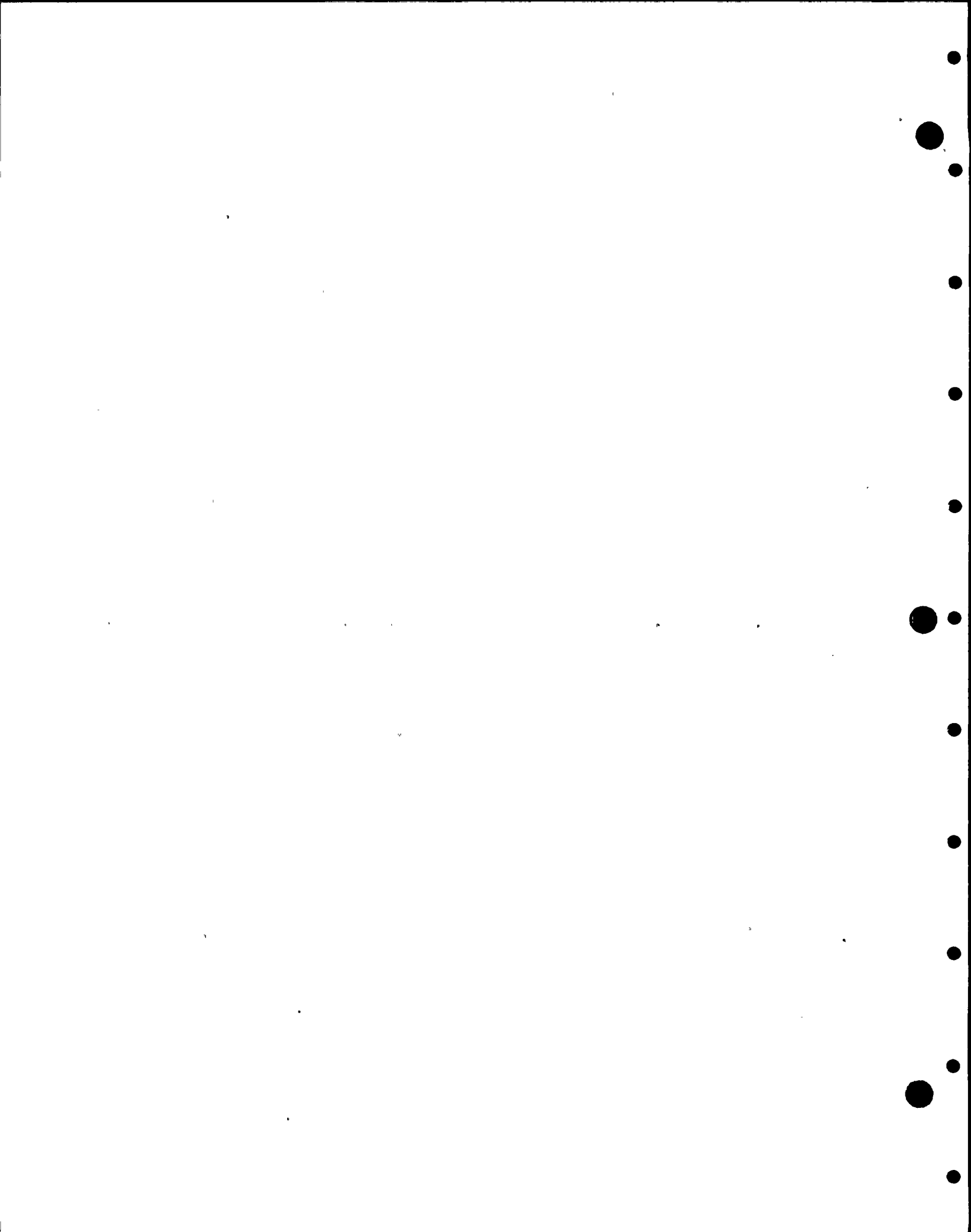
MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT, SUM OF SQ  
CLS LY SP MODES

12 34

1  
2  
3  
4  
5  
6

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT, SUM OF SQ  
CLS LY SP MODES

19641E+00	27078E-01	15646E+00	3494E-02	10847E-05	15604E-02
29092E+00	29764E-01	23905E+00	5694E-02	35905E-05	32397E-02
20807E+00	28137E-01	16775E+00	39893E-02	11901E-05	19687E-02
21797E+00	34707E-01	17708E+00	54054E-02	13864E-05	26309E-02
23601E-01	22509E-03	34610E-01	16843E-02	17433E-03	10795E-02
32117E-01	46404E-03	20349E-01	93664E-03	17097E-03	17807E-02
11152E+00	92057E-03	63692E-02	57265E-04	27550E-03	54913E-02
92237E-03	51084E-04	83451E-04	88814E-05	16142E-04	84930E-06
24354E-02	20334E-02	10257E+00	45148E-02	30291E-04	26098E-04
83922E-06	56221E-07	12926E-05	56288E-07	84858E-07	32629E-07
11152E+00	20334E-02	10257E+00	45148E-02	27550E-03	54913E-02
17060E+00	38942E-02	16399E+00	72024E-02	67132E-03	83785E-02
11846E+00	23197E-02	11034E+00	49095E-02	37008E-03	58729E-02
12553E+00	24652E-02	11662E+00	52288E-02	45451E-03	61923E-02
38575E-01	77526E-03	61323E-01	95138E-03	27412E-03	33186E-03
67146E-01	74276E-03	33512E-01	31311E-03	27414E-03	18472E-02
20109E+00	13490E-02	61951E-03	97211E-03	45938E-03	33570E-02
51546E-03	74748E-04	46307E-03	56061E-04	26354E-04	17891E-03
25167E-04	33524E-02	15986E+00	74097E-03	56744E-04	33919E-03
12110E-05	91653E-07	19874E-05	13767E-06	42828E-08	
20109E+00	33524E-02	15986E+00	97210E-03	45938E-03	33570E-02
30735E+00	62943E-02	25578E+00	30336E-02	10909E-02	60542E-02
21548E+00	37705E-02	17447E+00	15812E-02	60435E-03	38651E-02
22764E+00	40090E-02	18628E+00	18133E-02	73671E-03	41818E-02
24208E+01	99852E-02	41481E+01	69590E-01	38726E-06	41053E-01
38775E+01	35477E-01	22598E+01	37905E-01	24990E-06	65745E-01
71551E-01	41772E-03	71242E-03	11826E-04	87320E-07	43186E-02
60892E-02	68900E-04	58339E-02	92016E-04	31576E-08	10449E-03
27423E-02	44049E-03	73461E-01	41493E-02	10847E-05	46941E-04
76140E-11	21397E-11	36254E-09	20107E-10	14044E-06	13084E-12
38775E+01	35477E-01	41481E+01	69591E-01	10847E-05	65745E-01
63787E+01	64389E-01	64879E+01	11173E+00	19528E-05	11127E+00
45717E+01	36860E-01	47243E+01	79351E-01	11901E-05	77630E-01
62988E+01	45468E-01	64084E+01	10753E+00	13864E-05	10689E+00
36021E-01	75030E-02	52997E-01	34732E-02	61833E-05	97412E-03
58454E-01	26829E-01	29182E-01	18871E-02	13924E-05	15513E-02
19641E+00	28121E-03	13751E-04	18395E-04	82583E-05	69627E-03
12825E-04	58961E-03	39178E-03	61921E-05	19725E-06	20838E-05
12663E-04	14284E-03	15646E+00	28901E-03	17668E-05	54204E-05
81746E-08	21643E-10	13714E-07	85991E-10	14054E-06	32592E-10
19641E+00	26829E-01	15646E+00	34732E-02	82583E-05	15533E-02
29091E+00	35345E-01	23904E+00	56731E-02	17939E-04	32312E-02
20807E+00	27866E-01	16775E+00	39631E-02	10562E-04	19613E-02
21796E+00	34346E-01	17707E+00	53681E-02	11542E-04	26222E-02
36024E-01	73364E-02	52999E-01	34551E-02	12149E-05	94194E-03
58452E-01	27095E-01	29180E-01	19151E-02	11144E-04	15140E-02
19641E+00	42832E-03	18296E-04	16881E-04	81564E-05	69504E-03
12906E-04	58914E-03	39178E-03	62221E-05	21066E-06	32639E-05
12779E-04	14305E-03	15646E+00	28901E-03	40014E-06	30289E-05
81745E-08	24518E-10	12326E-07	79122E-10	14054E-06	32620E-10
19641E+00	27095E-01	15646E+00	34551E-02	11144E-04	15140E-02
29091E+00	35592E-01	23905E+00	56832E-02	21266E-04	31576E-02
20807E+00	28081E-01	16775E+00	39611E-02	13871E-04	19139E-02
21796E+00	34450E-01	17707E+00	53791E-02	14940E-04	25534E-02
36021E-01	77160E-02	52998E-01	34634E-02	41266E-05	99302E-03
58454E-01	27302E-01	29185E-01	18531E-02	81484E-05	14861E-02
19641E+00	42845E-03	13792E-04	18081E-04	79824E-05	69503E-03
12912E-04	58854E-03	39195E-03	48221E-05	19881E-06	31744E-05
12558E-04	11544E-03	15646E+00	28991E-03	65203E-06	49802E-05
81739E-08	22040E-10	12326E-07	79162E-10	14054E-06	32597E-10
19641E+00	27302E-01	15646E+00	34633E-02	81484E-05	14861E-02
29091E+00	36151E-01	23905E+00	56305E-02	21249E-04	31827E-02
20807E+00	28381E-01	16775E+00	39344E-02	12150E-04	19179E-02



CLS LY SP MODES  
12 34 1  
2  
3  
4  
5  
6

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT, SUM OF SQ  
CLS LY SP MODES

11 6 1  
2  
3  
4  
5  
6

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT, SUM OF SQ  
CLS LY SP MODES

10 17 1  
2  
3  
4  
5  
6

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT, SUM OF SQ  
CLS LY SP MODES

9 33 1  
2  
3  
4  
5  
6

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT, SUM OF SQ  
CLS LY SP MODES

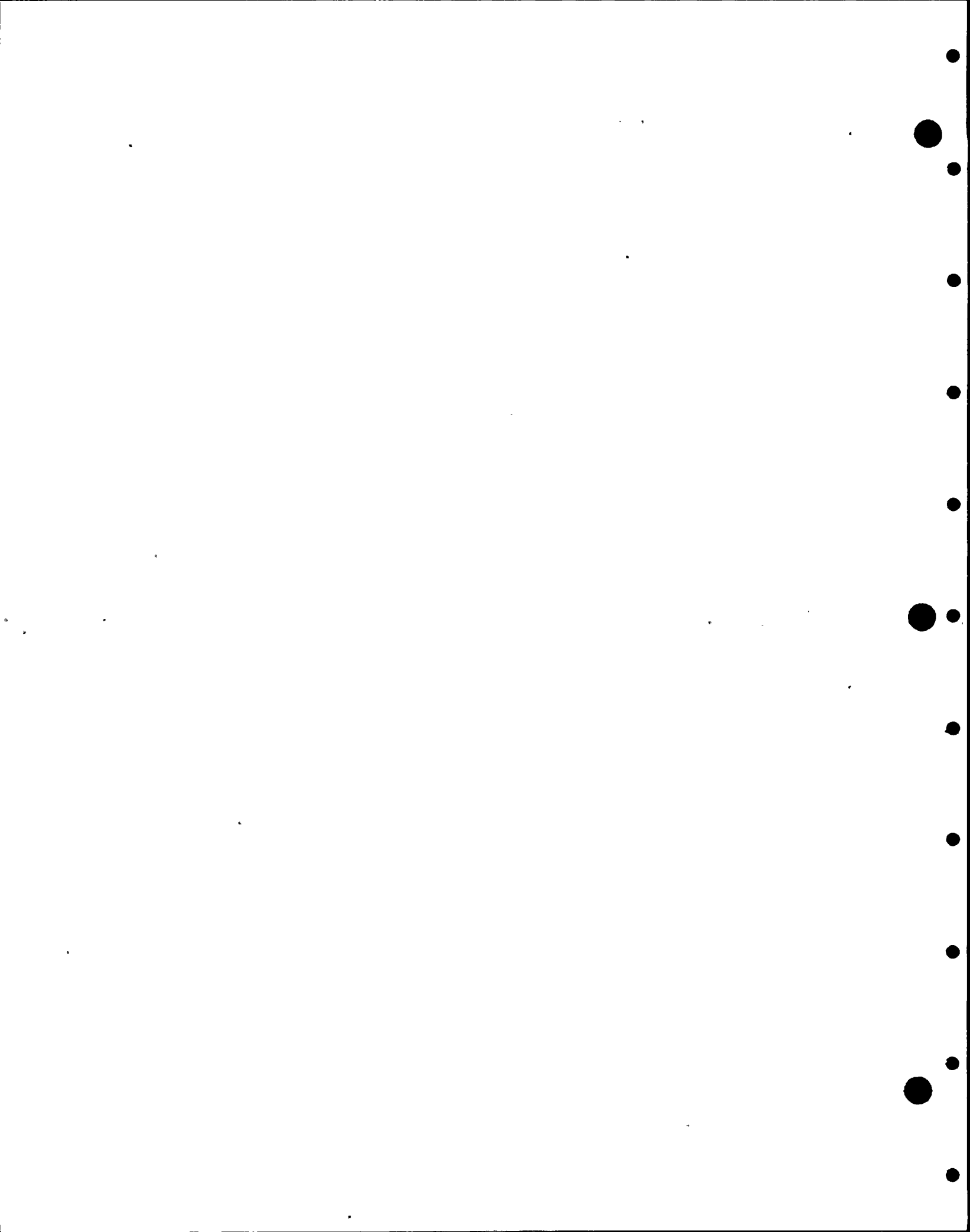
8 35 1  
2  
3  
4  
5  
6

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT, SUM OF SQ  
CLS LY SP MODES

7 12 1  
2  
3  
4  
5  
6

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT, SUM OF SQ  
CLS LY SP MODES

6 7 1  
2  
3  
4





MAXIMUM VALUE	16929E+01	43155F-01	18121E+01	40051E-01	17390E-02	34453E-01
ABSOLUTE SUM	20803E+01	59548E-01	19626E+01	41271E-01	26599E-02	42704E-01
SQRT.SUM OF SQ	17054E+01	44559E-01	18153E+01	40061E-01	18663E-02	34751E-01
CLS LY SP MODES	18515E+01	49084E-01	18217E+01	40151E-01	19688E-02	38106E-01

6	7	1	45797E-01	13601E-02	60983F-01	64271E-03	48663E-03	13125E-02
		2	41586E-01	31302E-02	32067E-01	74871E-03	10026E-02	16528E-02
		3	20175E+00	14740E-02	67600E-03	95581E-03	44118E-03	34734E-02
		4	53334E-03	10188E-03	35140E-03	52151E-04	28549E-04	17815E-03
		5	35800E-04	32078E-02	15995E+00	79471E-03	27333E-04	27415E-03
		6	11991E-05	91114E-07	19867E-05	67871E-08	13754E-06	42371E-08

MAXIMUM VALUE	20175E+00	32078E-02	15995E+00	95581E-03	10026E-02	34734E-02
ABSOLUTE SUM	28970E+00	92741E-02	25403E+00	31941E-02	19865E-02	68910E-02
SQRT.SUM OF SQ	21102E+00	49113E-02	17416E+00	15881E-02	11993E-02	40774E-02
CLS LY SP MODES	22035E+00	57957E-02	18535E+00	19141E-02	15623E-02	47222E-02

5	5	1	32861E-01	19700F-02	60613E-01	33691E-03	68174E-03	17198E-03
		2	48630E-01	13085E-02	34801E-01	12851E-02	36656E-03	10320E-02
		3	20175E+00	14748E-02	63893E-03	95551E-03	44151E-03	34732E-02
		4	55151E-03	84590E-04	46794E-03	56703E-04	26758E-04	17861E-03
		5	99185E-04	32965E-02	15989E+00	74691E-03	53856E-04	34799F-03
		6	11991E-05	91114E-07	19867E-05	67861E-08	13754E-06	42379E-08

MAXIMUM VALUE	20175E+00	32965E-02	15989E+00	12851E-02	68174E-03	34732E-02
ABSOLUTE SUM	24349E+00	81344E-02	25642E+00	33817E-02	15706E-02	52038E-02
SQRT.SUM OF SQ	21011E+00	43176E-02	17450E+00	18002E-02	89314E-03	36484E-02
CLS LY SP MODES	21810E+00	49604E-02	18661E+00	20737E-02	11507E-02	38769E-02

4	1	1	21497E-01	83914E-03	36445E-01	16967E-02	30024E-03	12075E-02
		2	39655F-01	19313E-02	26857E-01	97943E-03	61859E-03	13250E-02
		3	11133E+00	90947E-03	63266F-02	56955E-04	27220E-03	54967E-02
		4	90521E-03	62864E-04	60734E-03	14208E-04	17614E-04	10607E-05
		5	19228E-02	19793E-02	10225E+00	45117E-02	16864E-04	20814E-04
		6	83922E-06	56219E-07	12924E-05	56275E-07	84862E-07	34629E-07

MAXIMUM VALUE	11133E+00	19793E-02	10225E+00	45117E-02	61859E-03	54967E-02
ABSOLUTE SUM	17531E+00	57221E-02	17249E+00	72591E-02	12256E-02	80511E-02
SQRT.SUM OF SQ	12014E+00	30303E-02	11201E+00	49191E-02	73993E-03	57817E-02
CLS LY SP MODES	12785E+00	35760E-02	12098E+00	52585E-02	96392E-03	60530E-02

3	4	1	20872E-01	12155E-02	38360E-01	17107E-02	42062E-03	92829F-03
		2	39997E-01	80733E-03	14297E-01	89431E-03	22616E-03	14770E-02
		3	11133E+00	90998E-03	63497E-02	57995E-04	27240E-03	54966E-02
		4	89624E-03	52194E-04	87006E-04	88674E-05	16509E-04	15435E-05
		5	24044E-02	20340E-02	10256E+00	45140E-02	33228E-04	24882E-04
		6	83922E-06	56219E-07	12924E-05	56275E-07	84860E-07	34629E-07

MAXIMUM VALUE	11133E+00	20340E-02	10256E+00	45140E-02	42062E-03	54966E-02
ABSOLUTE SUM	17550E+00	50190E-02	16165E+00	71859E-02	96901E-03	79284E-02
SQRT.SUM OF SQ	12015E+00	26640E-02	11061E+00	49098E-02	55105E-03	57669E-02
CLS LY SP MODES	12771E+00	30606E-02	11554E+00	52199E-02	70993E-03	60013E-02

2	15	1	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.
		6	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SQRT.SUM OF SQ	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

1	18	1	0.	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.	0.
		6	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SQRT.SUM OF SQ	0.	0.	0.	0.	0.	0.



SQUARE ROOT OF THE SUM OF THE SQUARES OF THE MODAL STRESSES  
(FOR ALL ELEMENTS)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.3689E+02	.3752E+03	-.2365E+03	.7599E+03	.1331E+04	.2916E+04	.3689E+02	.3752E+03	-.2365E+03	.7599E+03	.7930E+03	-.4535E+03
.1978E+03	.5537E+03	-.4991E+03	.2121E+03	.8616E+03	.5510E+03	.1978E+03	.5537E+03	-.4991E+03	.2121E+03	-.3620E+04	-.4421E+04
.8885E+02	.4570E+03	-.6003E+02	-.3349E+04	-.6433E+03	.1256E+04	.8885E+02	.4570E+03	-.6003E+02	-.3349E+04	.1182E+04	-.2848E+04
.1314E+02	.4234E+02	-.1562E+02	-.4222E+03	.1231E+02	.2276E+03	.1314E+02	.4234E+02	-.1562E+02	-.4222E+03	.1280E+03	-.1527E+03
-.2420E+03	-.1838E+04	.9358E+02	-.1951E+01	-.3447E+02	-.5364E+04	-.2420E+03	-.1838E+04	.9358E+02	-.1951E+01	.8059E+03	-.1144E+03
-.8007E-02	-.5473E-01	.6015E-02	.2440E-01	-.2011E-01	.1048E+00	-.8007E-02	-.5473E-01	.6015E-02	.2440E-01	.3390E-01	.3867E+00



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 3 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.689E+02	.3752E+03	-.2365E+03	-.7599E+03	.1331E+04	.2916E+0	.3689E+02	.3752E+03	-.2365E+03	-.7599E+03	-.7930E+03	-.4535E+03
.978E+03	.5537E+03	-.4991E+03	.2121E+03	.8616E+03	.5510E+03	.1978E+03	.5537E+03	-.4991E+03	.2121E+03	-.3620E+04	-.4421E+04
.8885E+02	.4570E+03	-.6003E+02	-.3349E+04	-.6433E+03	.1256E+04	.8885E+02	.4570E+03	-.6003E+02	-.3349E+04	-.1182E+04	-.2848E+04
.1314E+02	.4234E+02	-.1562E+02	-.4222E+03	.1231E+02	.2276E+03	.1314E+02	.4234E+02	-.1562E+02	-.4222E+03	-.1280E+03	-.1527E+03
-.2420E+03	-.1838E+04	.9358E+02	-.1951E+01	-.3447E+02	-.5364E+04	-.2420E+03	-.1838E+04	.9358E+02	-.1951E+01	.8059E+03	.1114E+05
-.8007E-02	-.5473E-01	.6015E-02	.2440E-01	-.2011E-01	-.1048E+00	-.8007E-02	-.5473E-01	.6015E-02	.2440E-01	.3390E-01	.3867E+00

SQUARE ROOT SUM OF THE SQUARES

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.3273E+03	.2009E+04	.5636E+03	.3467E+04	.1712E+04	.6262E+04	.3273E+03	.2009E+04	.5636E+03	.3467E+04	.3975E+04	.1233E+05
CLOSELY SPACED MODE SUMMATION METHOD											
.3611E+03	.2155E+04	.7473E+03	.3895E+04	.2289E+04	.6741E+04	.3611E+03	.2155E+04	.7473E+03	.3895E+04	.4696E+04	.1266E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 4 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-.6778E+02	.4745E+03	-.3241E+03	-.7297E+03	.1590E+04	.1569E+04	-.6778E+02	.4745E+03	-.3241E+03	-.7297E+03	.1321E+04	-.2692E+04
.1403E+03	-.8665E+02	.1935E+03	-.1023E+04	-.2321E+04	-.3300E+04	.1403E+03	-.8665E+02	.1935E+03	-.1023E+04	.5837E+03	-.2522E+04
.8889E+02	-.4573E+03	.6013E+02	.3349E+04	-.1183E+04	-.2850E+04	.8889E+02	-.4573E+03	.6013E+02	.3349E+04	.6429E+03	.1257E+04
.1205E+02	-.3401E+02	.1443E+02	.4196E+03	-.1213E+03	-.1075E+03	.1205E+02	-.3401E+02	.1443E+02	.4196E+03	.8238E+01	.1980E+03
.2524E+03	-.1866E+04	.1078E+03	.2598E+03	-.9247E+03	-.1127E+05	.2524E+03	-.1866E+04	.1078E+03	.2598E+03	.4357E+02	.5488E+04
.8005E-02	-.5473E-01	.6016E-02	.2440E-01	-.3390E-01	-.3867E+00	.8005E-02	-.5473E-01	.6016E-02	.2440E-01	.2013E-01	.1048E+00

SQUARE ROOT SUM OF THE SQUARES

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.3099E+03	.1981E+04	.3974E+03	.3611E+04	.3191E+04	.1219E+05	.3099E+03	.1981E+04	.3974E+03	.3611E+04	.1581E+04	.6734E+04
CLOSELY SPACED MODE SUMMATION METHOD											
.3511E+03	.2041E+04	.5368E+03	.4191E+04	.4252E+04	.1273E+05	.3511E+03	.2041E+04	.5368E+03	.4191E+04	.2013E+04	.7848E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 5 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-.1215E+04	-.9892E+02	-.5412E+02	.2003E+03	.1258E+04	-.2291E+04	-.1215E+04	-.9892E+02	-.5412E+02	.2003E+03	.2503E+03	-.4489E+03
.8067E+03	-.6324E+01	.1394E+03	-.1077E+03	-.3801E+04	.3314E+03	.8067E+03	-.6324E+01	.1394E+03	-.1077E+03	.1204E+04	.4491E+03
.9092E+03	.4254E+02	.2139E+03	-.1297E+03	-.4010E+04	.1407E+04	.9092E+03	.4254E+02	.2139E+03	-.1297E+03	.2662E+02	.6148E+03
.5215E+02	.1728E+01	-.7138E+01	-.7863E+01	-.2431E+03	.6380E+02	.5215E+02	.1728E+01	-.7138E+01	-.7863E+01	.1101E+03	.3102E+02
.2032E+04	.2592E+03	-.1569E+02	-.1583E+02	.5180E+03	.6171E+04	.2032E+04	.2592E+03	-.1569E+02	-.1583E+02	.2258E+03	.1343E+04
.5617E-01	.3326E-02	-.2387E-02	-.4042E-01	.6099E-01	.8033E+01	.5617E-01	.3326E-02	-.2387E-02	-.4042E-01	.1653E-01	.1838E+01

SQUARE ROOT SUM OF THE SQUARES

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.2662E+04	.2808E+03	.2615E+03	.2624E+03	.5695E+04	.6740E+04	.2662E+04	.2808E+03	.2615E+03	.2624E+03	.1255E+04	.1608E+04
CLOSELY SPACED MODE SUMMATION METHOD											
.3058E+04	.2848E+03	.2946E+03	.3381E+03	.6648E+04	.6922E+04	.3058E+04	.2848E+03	.2946E+03	.3381E+03	.1495E+04	.1764E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 6 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-.1215E+04	-.1005E+03	-.5500E+02	.2003E+03	.2503E+03	-.4489E+03	-.1215E+04	-.1005E+03	-.5500E+02	.2003E+03	.1400E+04	.2567E+04
.8068E+03	-.6974E+01	.1412E+03	-.1077E+03	-.1204E+04	.4491E+03	.8068E+03	-.6974E+01	.1412E+03	-.1077E+03	.3033E+04	.6584E+03
.9094E+03	.4338E+02	.2287E+03	-.1297E+03	-.2662E+02	.6148E+03	.9094E+03	.4338E+02	.2287E+03	-.1297E+03	.6833E+04	-.6866E+03
.5216E+02	.1742E+01	-.7278E+01	-.7863E+01	.1101E+03	.3162E+02	.5216E+02	.1742E+01	-.7278E+01	-.7863E+01	.1082E+03	-.2064E+02
.2033E+04	.2759E+03	-.1608E+02	-.1583E+02	.2258E+03	.1343E+04	.2033E+04	.2759E+03	-.1608E+02	-.1583E+02	.2566E+03	.6933E+04
.5618E-01	.3548E-02	-.2532E-02	-.4042E-01	.1653E-01	.1838E-01	.5618E-01	.3548E-02	-.2532E-02	-.4042E-01	-.5941E-01	-.8807E-01

SQUARE ROOT SUM OF THE SQUARES

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.2662E+04	.2969E+03	.2749E+03	.2624E+03	.1255E+04	.1608E+04	.2662E+04	.2969E+03	.2749E+03	.2624E+03	.7611E+04	.7454E+04
CLOSELY SPACED MODE SUMMATION METHOD											
.3058E+04	.3011E+03	.3077E+03	.3381E+03	.1495E+04	.1764E+04	.3058E+04	.3011E+03	.3077E+03	.3381E+03	.8243E+04	.7698E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 7 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.1629E+04	.1137E+03	-.8680E+02	-.2608E+03	.1797E+04	.2772E+04	.1629E+04	.1137E+03	-.8680E+02	-.2608E+03	-.8068E+03	-.6383E+03
.6599E+03	.5342E+02	.2748E+02	-.1058E+03	-.1609E+04	.1382E+04	.6599E+03	.5342E+02	.2748E+02	-.1058E+03	-.7846E+03	-.2210E+03



SQUARE ROOT SUM OF THE SQUARES  
 2629E+04 .2969E+04 .2749E+03 .24E+03 .1255E+04 .1608E+04 .2662E+04 .29E+03 .2749E+04 .2624E+03 .611E+04 .7454E+04  
 CLOSELY SPACED MCODE SUMMATION METHOD  
 3058E+04 .3011E+03 .3077E+03 .3381E+03 .1495E+04 .1764E+04 .3058E+04 .3011E+03 .3077E+03 .3381E+03 .8243E+04 .7698E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 7 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.1629E+04	.1137E+03	-.8680E+02	-.2608E+03	.1797E+04	.2772E+04	.1629E+04	.1137E+03	-.8680E+02	-.2608E+03	-.8068E+03	-.6383E+03
.6599E+03	.5342E+02	.2748E+02	-.1058E+03	-.1609E+04	.1382E+04	.6599E+03	.5342E+02	.2748E+02	-.1058E+03	-.7846E+03	-.2210E+03
-.9204E+03	-.4367E+02	.2308E+03	.1312E+03	-.6862E+04	-.6911E+03	-.9204E+03	-.4367E+02	.2308E+03	.1312E+03	.6185E+02	.6191E+03
.6171E+02	.3095E+01	.7416E+01	-.8218E+01	-.1110E+03	.5521E+02	.6171E+02	.3095E+01	.7416E+01	-.8218E+01	.1115E+03	-.3783E+02
-.1978E+04	-.2738E+03	-.1271E+02	.8710E+01	.2034E+03	-.6901E+04	-.1978E+04	-.2738E+03	-.1271E+02	.8710E+01	-.1779E+03	.1313E+04
.5618E-01	.3549E-02	.2532E-02	-.4042E-01	-.5941E-01	.8808E-01	.5618E-01	.3549E-02	.2532E-02	-.4042E-01	.1653E-01	-.1858E-01

SQUARE ROOT SUM OF THE SQUARES  
 .2803E+04 .3044E+03 .2485E+03 .3108E+03 .7277E+04 .7596E+04 .2803E+04 .3044E+03 .2485E+03 .3108E+03 .1147E+04 .1601E+04  
 CLOSELY SPACED MCODE SUMMATION METHOD  
 .3219E+04 .3268E+03 .2649E+03 .3925E+03 .7766E+04 .8136E+04 .3219E+04 .3268E+03 .2649E+03 .3925E+03 .1623E+04 .1730E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 8 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.1629E+04	.1120E+03	-.8583E+02	-.2608E+03	-.8068E+03	-.6383E+03	.1629E+04	.1120E+03	-.8583E+02	-.2608E+03	-.2405E+04	-.2724E+04
.6598E+03	.5248E+02	.2601E+02	-.1058E+03	-.7846E+03	-.2210E+03	.6598E+03	.5248E+02	.2601E+02	-.1058E+03	-.3002E+03	-.1198E+04
-.9203E+03	-.4282E+02	.2160E+03	.1312E+03	.6185E+02	.6191E+03	-.9203E+03	-.4282E+02	.2160E+03	.1312E+03	.4084E+04	.1417E+04
.6170E+02	.3000E+01	.7270E+01	-.8218E+01	.1115E+03	-.3763E+02	.6170E+02	.3000E+01	.7270E+01	-.8218E+01	.2469E+03	-.9350E+02
-.1978E+04	-.2572E+03	-.1240E+02	.8710E+01	-.1779E+03	.1313E+04	-.1978E+04	-.2572E+03	-.1240E+02	.8710E+01	-.4088E+03	.6103E+04
.5617E-01	.3327E-02	.2387E-02	-.4042E-01	.1653E-01	-.1838E-01	.5617E-01	.3327E-02	.2387E-02	-.4042E-01	.6099E-01	-.8034E-01

SQUARE ROOT SUM OF THE SQUARES  
 .2802E+04 .2886E+03 .2343E+03 .3108E+03 .1147E+04 .1601E+04 .2802E+04 .2886E+03 .2343E+03 .3108E+03 .4773E+04 .6937E+04  
 CLOSELY SPACED MCODE SUMMATION METHOD  
 .3219E+04 .3112E+03 .2503E+03 .3925E+03 .1623E+04 .1730E+04 .3219E+04 .3112E+03 .2503E+03 .3925E+03 .5102E+04 .7487E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 9 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.1241E+03	.5680E+03	.4315E+03	.5029E+03	-.1379E+04	.2381E+04	.1241E+03	.5680E+03	.4315E+03	.5029E+03	.2496E+04	-.2720E+04
.5817E+02	.2427E+03	.1869E+03	.1873E+03	-.7901E+03	.1404E+04	.5817E+02	.2427E+03	.1869E+03	.1873E+03	.8886E+03	-.7756E+03
-.8989E+02	-.4573E+03	-.6259E+02	-.3292E+04	-.6426E+03	-.1221E+04	-.8989E+02	-.4573E+03	-.6259E+02	-.3292E+04	-.1205E+04	.2886E+04
.1302E+02	.4233E+02	.1522E+02	.4263E+03	-.1173E+02	.2304E+03	.1302E+02	.4233E+02	.1522E+02	.4263E+03	.1250E+03	-.1497E+03
-.2421E+03	-.1838E+04	-.9368E+02	.3736E+01	.3489E+02	-.5364E+04	-.2421E+03	-.1838E+04	-.9368E+02	.3736E+01	-.8064E+03	.1114E+05
.8012E-02	.5473E-01	.6012E-02	.2439E-01	-.2012E-01	.1048E+00	.8012E-02	.5473E-01	.6012E-02	.2439E-01	.3388E-01	-.3867E+00

SQUARE ROOT SUM OF THE SQUARES  
 .2927E+03 .1992E+04 .4838E+03 .3362E+04 .1715E+04 .6161E+04 .2927E+03 .1992E+04 .4838E+03 .3362E+04 .3023E+04 .1185E+05  
 CLOSELY SPACED MCODE SUMMATION METHOD  
 .3298E+03 .2107E+04 .6326E+03 .3782E+04 .2266E+04 .6904E+04 .3298E+03 .2107E+04 .6326E+03 .3782E+04 .3752E+04 .1220E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 10 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.1921E+02	.2816E+03	.1293E+03	.9858E+03	.1121E+03	-.6967E+03	.1921E+02	.2816E+03	.1293E+03	.9858E+03	.1273E+04	-.3225E+04
.4787E+00	.2243E+03	.1188E+03	.6229E+03	-.4111E+03	.3457E+03	.4787E+00	.2243E+03	.1188E+03	.6229E+03	.6555E+03	-.1669E+04
-.8986E+02	.4570E+03	.6248E+02	.3292E+04	-.1204E+04	.2885E+04	-.8986E+02	.4570E+03	.6248E+02	.3292E+04	-.6431E+03	-.1220E+04
.1193E+02	-.3400E+02	-.1403E+02	-.4238E+03	.1183E+03	-.1045E+03	.1193E+02	-.3400E+02	-.1403E+02	-.4238E+03	-.7663E+01	.2008E+03
.2525E+03	-.1866E+04	-.1076E+03	.2614E+03	.9223E+03	-.1127E+05	.2525E+03	-.1866E+04	-.1076E+03	.2614E+03	-.4355E+02	.5490E+04
-.8010E-02	.5473E-01	.6014E-02	.2439E-01	-.3388E-01	.3867E+00	-.8010E-02	.5473E-01	.6014E-02	.2439E-01	.2013E+01	-.1048E+00

SQUARE ROOT SUM OF THE SQUARES  
 .2689E+03 .1955E+04 .2156E+03 .3527E+04 .1580E+04 .1166E+05 .2689E+03 .1955E+04 .2156E+03 .3527E+04 .1571E+04 .6697E+04  
 CLOSELY SPACED MCODE SUMMATION METHOD  
 .2837E+03 .2027E+04 .2863E+03 .4084E+04 .1758E+04 .1181E+05 .2837E+03 .2027E+04 .2863E+03 .4084E+04 .2036E+04 .7637E+04









ELEMENT TYPE (3/D P I P E

) / / / ELEMENT NUMBER ( 14)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.124E+03	.354E+03	.2470E+03	.2740E+04	.2739E+04	.4673E+04	.1324E+03	.3545E+03	.2470E+03	.2740E+04	.1510E+04	.1424E+04
.630E+02	.4223E+02	.1346E+03	.1491E+04	.1492E+04	.1185E+04	.6030E+02	.4223E+02	.1346E+03	.1491E+04	.8233E+03	.4587E+03
.5751E+03	.7650E+03	.4447E-01	.4318E+00	.4479E+00	.1131E+03	.5751E+03	.7650E+03	.4447E-01	.4318E+00	.3171E+00	.1305E+05
.3558E+02	.6888E+02	.5308E+00	.1160E+01	.4451E+01	.1113E+03	.3558E+02	.6888E+02	.5308E+00	.1160E+01	.4681E+01	.1073E+04
.9303E+01	.2717E+02	.9547E+02	.1482E+04	.2860E+03	.1056E+03	.9303E+01	.2717E+02	.9547E+02	.1482E+04	.1356E+04	.3618E+03
.1977E-05	.2029E-07	.4143E-02	.6135E-01	.1312E-01	.2420E-06	.1977E-05	.2029E-07	.4143E-02	.6135E-01	.5815E-01	.1070E-06

SQUARE ROOT SUM CF THE SQUARES

.5944E+03	.8474E+03	.2971E+03	.3454E+04	.3133E+04	.4825E+04	.5944E+03	.8474E+03	.2971E+03	.3454E+04	.2190E+04	.1318E+05
CLOSELY SPACED MCOF SUMMATION METHOD											
.6409E+03	.9258E+03	.3935E+03	.4484E+04	.4242E+04	.5866E+04	.6409E+03	.9258E+03	.3935E+03	.4484E+04	.2701E+04	.1428E+05

ELEMENT TYPE (3/D P I P E

) / / / ELEMENT NUMBER ( 15)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.2611E+00	.5828E+01	.5273E+01	0.	.3166E+03	.3500E+03	.2611E+00	.5828E+01	.5273E+01	0.	.3274E-10	.7276E-11
.3617E+00	.5790E+01	.3197E+01	0.	.1920E+03	.3477E+03	.3617E+00	.5790E+01	.3197E+01	0.	.1069E-10	.8731E-10
.4836E+01	.2994E+03	.1409E-01	0.	.8462E+00	.1798E+05	.4836E+01	.2994E+03	.1409E-01	0.	.9825E-14	.6985E-09
.2735E+00	.3000E+02	.7441E+00	.2842E-13	.4468E+02	.1802E+04	.2735E+00	.3000E+02	.7441E+00	.2842E-13	.1218E-11	.5821E-10
.8881E-01	.9553E+01	.3910E+03	.5457E-11	.2348E+05	.5737E+03	.8881E-01	.9553E+01	.3910E+03	.5457E-11	.8495E-09	.2910E-10
.1894E-09	.4713E-07	.1390E-01	.3331E-15	.8348E+00	.2830E-05	.1894E-09	.4713E-07	.1390E-01	.3331E-15	.6420E-13	.8132E-19

SQUARE ROOT SUM CF THE SQUARES

.4865E+01	.3012E+03	.3910E+03	.5457E-11	.2348E+05	.1809E+05	.4865E+01	.3012E+03	.3910E+03	.5457E-11	.8502E-09	.7070E-09
CLOSELY SPACED MCOF SUMMATION METHOD											
.5152E+01	.3306E+03	.3918E+03	.5486E-11	.2353E+05	.1985E+05	.5152E+01	.3306E+03	.3918E+03	.5486E-11	.8519E-09	.7654E-09

ELEMENT TYPE (3/D P I P E

) / / / ELEMENT NUMBER ( 16)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.8269E+03	.3320E+03	.2013E+03	0.	.1731E+05	.2855E+05	.8269E+03	.3320E+03	.2013E+03	0.	0.	.6985E-09
.2928E+04	.1808E+03	.3224E+03	0.	.2772E+05	.1555E+05	.2928E+04	.1808E+03	.3224E+03	0.	.1863E-08	.9313E-09
.2188E+02	.5633E-01	.1817E+02	0.	.1563E+04	.4844E+01	.2188E+02	.5633E-01	.1817E+02	0.	.1601E-09	.5571E-11
.2292E+03	.4341E+00	.5111E+00	0.	.4396E+02	.3734E+02	.2292E+03	.4341E+00	.5111E+00	0.	.1228E-10	.9550E-11
.1084E+03	.2230E+02	.2296E+00	0.	.1975E+02	.1918E+04	.1084E+03	.2230E+02	.2296E+00	0.	.6480E-10	.3347E-09
.3158E-06	.1181E-06	.6977E-09	0.	.6001E-07	.1016E-04	.3158E-06	.1181E-06	.6977E-09	0.	.3873E-17	.1496E-16

SQUARE ROOT SUM CF THE SQUARES

.3053E+04	.3787E+03	.3805E+03	0.	.3272E+05	.3257E+05	.3053E+04	.3787E+03	.3805E+03	0.	.1871E-08	.1211E-08
CLOSELY SPACED MCOF SUMMATION METHOD											
.3771E+04	.5133E+03	.5240E+03	0.	.4506E+05	.4414E+05	.3771E+04	.5133E+03	.5240E+03	0.	.1872E-08	.1666E-08

ELEMENT TYPE (3/D P I P E

) / / / ELEMENT NUMBER ( 17)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.1290E+03	.1433E+03	.1426E+03	.2355E+04	.1126E+04	.1812E+04	.1290E+03	.1433E+03	.1426E+03	.2355E+04	.1111E+04	.1797E+04
.5703E+02	.2397E+03	.5311E+02	.1353E+04	.2825E+03	.2548E+04	.5703E+02	.2397E+03	.5311E+02	.1353E+04	.2767E+03	.2522E+04
.9253E+02	.4626E+03	.1303E+03	.2270E+04	.1398E+04	.1021E+04	.9253E+02	.4626E+03	.1303E+03	.2270E+04	.1384E+04	.9703E+03
.2203E+02	.1706E+02	.2151E+01	.1130E+03	.3423E+02	.3413E+02	.2203E+02	.1706E+02	.2151E+01	.1130E+03	.3400E+02	.3600E+02
.6550E+02	.1649E+03	.1234E+02	.1784E+03	.1168E+03	.7089E+03	.6550E+02	.1649E+03	.1234E+02	.1784E+03	.1154E+03	.6909E+03
.8248E-02	.1430E-02	.2319E-02	.6871E-02	.1684E-01	.1211E-01	.8248E-02	.1430E-02	.2319E-02	.6871E-02	.1659E-01	.1227E-01

SQUARE ROOT SUM CF THE SQUARES

.1823E+03	.5652E+03	.2007E+03	.3546E+04	.1821E+04	.3365E+04	.1823E+03	.5652E+03	.2007E+03	.3546E+04	.1800E+04	.3318E+04
CLOSELY SPACED MCOF SUMMATION METHOD											
.2344E+03	.6400E+03	.2367E+03	.4416E+04	.2014E+04	.4547E+04	.2344E+03	.6400E+03	.2367E+03	.4416E+04	.1989E+04	.4494E+04

ELEMENT TYPE (3/D P I P E

) / / / ELEMENT NUMBER ( 18)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
.1290E+03	.1405E+03	.1461E+03	.2354E+04	.1143E+04	.1777E+04	.1697E+03	.8718E+02	.1461E+03	.2036E+04	.6391E+03	.7721E+03
.5410E+02	.2387E+03	.5740E+02	.1353E+04	.3228E+03	.2517E+04	.1352E+03	.2042E+03	.5740E+02	.1245E+04	.2805E+03	.5651E+03



1.33E+03 .5652E+03 .2007E+03 .546E+04 .1821E+04 .3365E+04 .562E+03 .2007E+03 .3546E+04 .800E+04 .3318E+04  
CLOSELY SPACED PCDF SUMMATION METHOD  
2344E+03 .6400E+03 .2367E+03 .4416E+04 .2014E+04 .4547E+04 .2344E+03 .6400E+03 .2367E+03 .4416E+04 .1989E+04 .4494E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER : 18)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	HZ(C)
.1290E+03	.1405E+03	.1461E+03	.2350E+04	.1143E+04	.1777E+04	.1697E+03	.8718E+02	.1461E+03	.2036E+04	.6391E+03	.7721E+03
.5610E+02	.2383E+03	.5740E+02	.1353E+04	.3228E+03	.2517E+04	.1352E+03	.2042E+03	.5740E+02	.1245E+04	.2805E+03	.5651E+03
.9439E+02	.4650E+03	.1261E+03	.2270E+04	.1366E+04	.9960E+03	.6776E+02	.4706E+03	.1261E+03	.2410E+04	.5831E+03	.3131E+04
.2204E+02	.1707E+02	.1850E+01	.1130E+03	.3465E+02	.3534E+02	.2659E+02	.8380E+01	.1850E+01	.1152E+03	.2243E+02	.1476E+03
.6128E+02	.1650E+03	.2603E+01	.1786E+03	.1028E+03	.6928E+03	.1146E+03	.1336E+03	.2603E+01	.1359E+03	.1360E+03	.6240E+03
.8248E+02	.1472E+02	.2290E+02	.6868E+02	.1681E+01	.1196E+01	.8248E+02	.1475E+02	.2290E+02	.4119E+02	.1428E+02	.1195E+01

SQUARE ROOT SUM CF THE SQUARES  
.1842E+03 .5659E+03 .2014E+03 .3545E+04 .1813E+04 .3311E+04 .2559E+03 .5373E+03 .2014E+03 .3396E+04 .9199E+03 .3336E+04  
CLOSELY SPACED PCDF SUMMATION METHOD  
.2355E+03 .6393E+03 .2404E+03 .4415E+04 .2032E+04 .4475E+04 .3480E+03 .5783E+03 .2404E+03 .4146E+04 .1112E+04 .3621E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER : 18)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.1894E+03	.2302E+02	.1461E+03	.1912E+04	.5565E+02	.2860E+03
.1975E+03	.1447E+03	.5740E+02	.1159E+04	.2035E+03	.9738E+03
.2265E+03	.4181E+03	.1261E+03	.1866E+04	.2460E+04	.7051E+04
.2785E+02	.1305E+01	.1850E+01	.9744E+02	.7673E+02	.1786E+03
.1538E+03	.8561E+02	.2603E+01	.8440E+02	.1524E+03	.1591E+04
.7227E+02	.4240E+02	.2290E+02	.7857E+02	.1949E+01	.1326E+01

SQUARE ROOT SUM CF THE SQUARES  
.3881E+03 .4512E+03 .2014E+03 .2915E+04 .2475E+04 .7301E+04  
CLOSELY SPACED PCDF SUMMATION METHOD  
.4966E+03 .4600E+03 .2404E+03 .3648E+04 .2559E+04 .7547E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER : 19)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.1684E+03	.3805E+02	.1679E+03	.6673E+03	.1026E+04	.1497E+04	.1684E+03	.3805E+02	.1679E+03	.6673E+03	.1007E+04	.1501E+04
.1881E+03	.1516E+03	.6891E+02	.5143E+03	.1282E+04	.6513E+03	.1881E+03	.1516E+03	.6891E+02	.5143E+03	.1274E+04	.6691E+03
.2457E+03	.4042E+03	.1448E+03	.6091E+04	.4661E+04	.6470E+03	.2457E+03	.4042E+03	.1448E+03	.6091E+04	.4678E+04	.6944E+03
.5120E+01	.1859E+02	.2022E+02	.1506E+03	.1443E+03	.6134E+02	.5120E+01	.1859E+02	.2022E+02	.1506E+03	.1420E+03	.6352E+02
.1010E+03	.1316E+03	.5445E+02	.1040E+04	.1024E+04	.6561E+03	.1010E+03	.1316E+03	.5445E+02	.1040E+04	.1018E+04	.6406E+03
.2420E+02	.4252E+02	.7137E+02	.5621E+02	.2174E+01	.1064E+01	.2420E+02	.4252E+02	.7137E+02	.5621E+02	.2258E+01	.1114E+01

SQUARE ROOT SUM CF THE SQUARES  
.3665E+03 .4533E+03 .2394E+03 .6239E+04 .5049E+04 .1875E+04 .3665E+03 .4533E+03 .2394E+03 .6239E+04 .5057E+04 .1897E+04  
CLOSELY SPACED PCDF SUMMATION METHOD  
.4486E+03 .4868E+03 .2975E+03 .6462E+04 .5456E+04 .2372E+04 .4486E+03 .4868E+03 .2975E+03 .6462E+04 .5455E+04 .2403E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER : 20)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.2348E+03	.7401E+03	.7772E+02	.2010E+04	.1451E+03	.8290E+04	.2348E+03	.7401E+03	.7772E+02	.2010E+04	.1366E+03	.8209E+04
.1116E+03	.7197E+03	.1578E+03	.1892E+04	.1863E+04	.7840E+04	.1116E+03	.7197E+03	.1578E+03	.1892E+04	.1846E+04	.7761E+04
.9312E+02	.4518E+03	.1291E+03	.2295E+04	.1381E+04	.8748E+03	.9312E+02	.4518E+03	.1291E+03	.2295E+04	.1367E+04	.8255E+03
.2234E+02	.1815E+02	.2195E+01	.1100E+03	.3544E+02	.1864E+02	.2234E+02	.1815E+02	.2195E+01	.1100E+03	.3520E+02	.2062E+02
.6570E+02	.1654E+03	.1232E+02	.1793E+03	.1172E+03	.7163E+03	.6570E+02	.1654E+03	.1232E+02	.1793E+03	.1159E+03	.6982E+03
.8249E+02	.1430E+02	.2315E+02	.6864E+02	.1681E+01	.1211E+01	.8249E+02	.1430E+02	.2315E+02	.6864E+02	.1656E+01	.1227E+01

SQUARE ROOT SUM CF THE SQUARES  
.2847E+03 .1139E+04 .2185E+03 .3596E+04 .2327E+04 .1147E+05 .2847E+03 .1139E+04 .2185E+03 .3596E+04 .2304E+04 .1135E+05  
CLOSELY SPACED PCDF SUMMATION METHOD  
.3749E+03 .1544E+04 .2700E+03 .4592E+04 .2462E+04 .1617E+05 .3749E+03 .1544E+04 .2700E+03 .4592E+04 .2432E+04 .1601E+05



9312E+02	-4518E+03	1291E+03	-2295E+04	-1381E+04	-8740E+03	9312E+02	-4518E+03	1291E+03	-2295E+04	-1381E+04	-8740E+03	9312E+02	-4518E+03	1291E+03	-2295E+04	-1381E+04	-8740E+03
-204E+02	-1815E+03	2195E+03	-100E+03	-3504E+02	1864E+02	2195E+03	-100E+03	-3504E+02	1864E+02	2195E+03	-100E+03	-3504E+02	1864E+02	2195E+03	-100E+03	-3504E+02	1864E+02
-6570E+02	-1658E+03	1232E+02	1793E+03	-1172E+03	-7163E+03	1232E+02	1793E+03	-1172E+03	-7163E+03	1232E+02	1793E+03	-1172E+03	-7163E+03	1232E+02	1793E+03	-1172E+03	-7163E+03
8249E-02	-1430E-02	2315E-02	6869E-02	-1681E-01	1211E-01	8249E-02	-1430E-02	2315E-02	6869E-02	-1681E-01	1211E-01	8249E-02	-1430E-02	2315E-02	6869E-02	-1681E-01	1211E-01

SQUARE ROOT SUM OF THE SQUARES  
 2847E+03 1139E+04 2185E+03 3596E+04 2327E+04 1147E+05 2847E+03 1139E+04 2185E+03 3596E+04 2304E+04 1135E+05  
 CLOSELY SPACED MCDF SUMMATION METHOD  
 3749E+03 1544E+04 2700E+03 4592E+04 2462E+04 1617E+05 3749E+03 1544E+04 2700E+03 4592E+04 2432E+04 1601E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 21)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
2340E+03	7385E+03	9173E+02	2009E+04	-2880E+03	8206E+04	4752E+03	6118E+03	9173E+02	1925E+04	-1815E+03	2249E+04
-1112E+03	-7228E+03	1452E+03	1893E+04	-1702E+04	-7794E+04	-3546E+03	-6396E+03	1452E+03	1408E+04	1011E+04	-1783E+04
9999E+02	-4541E+03	1251E+03	-2295E+04	-1351E+04	-8510E+03	-6346E+02	-4607E+03	1251E+03	-2430E+04	5965E+03	3184E+04
-2235E+02	-1816E+02	1874E+01	-1100E+03	-3558E+02	1995E+02	-2725E+02	9298E+01	1874E+01	-1127E+03	2075E+02	1411E+03
-6147E+02	-1655E+03	2557E+01	1794E+03	-1030E+03	-7002E+03	-1150E+03	1340E+03	2557E+01	1366E+03	-1369E+03	6209E+03
-8250E-02	-1473E-02	2286E-02	6862E-02	-1678E-01	1196E-01	8249E-02	1475E-02	2286E-02	4118E-02	1423E-02	1195E-01

SQUARE ROOT SUM OF THE SQUARES  
 2853E+03 1141E+04 2125E+03 3596E+04 2195E+04 1137E+05 6079E+03 1007E+04 2125E+03 3409E+04 1196E+04 4334E+04  
 CLOSELY SPACED MCDF SUMMATION METHOD  
 3750E+03 1547E+04 2689E+03 4591E+04 2429E+04 1604E+05 8464E+03 1344E+04 2689E+03 4198E+04 1352E+04 5280E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 21)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
6577E+03	4094E+03	9173E+02	1883E+04	-5260E+02	-2255E+04
-5542E+03	-4772E+03	1452E+03	1193E+04	-1941E+03	3143E+04
-2191E+03	-4102E+03	1251E+03	-1882E+04	2470E+04	7026E+04
-2879E+02	7144E+00	1874E+01	-9567E+02	7450E+02	1789E+03
-1543E+03	-8587E+02	2557E+01	8463E+02	-1538E+03	1591E+04
-7228E-02	4240E-02	2286E-02	7848E-02	1945E-01	-1326E-01

SQUARE ROOT SUM OF THE SQUARES  
 9012E+03 7556E+03 2125E+03 2920E+04 2484E+04 8179E+04  
 CLOSELY SPACED MCDF SUMMATION METHOD  
 1250E+04 9810E+03 2689E+03 3660E+04 2566E+04 9174E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 22)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
5163E+03	5306E+03	-2453E+03	-1110E+04	2577E+04	-8707E+03	5163E+03	5306E+03	-2453E+03	-1110E+04	2548E+04	-9337E+03
-3548E+03	-6523E+03	6898E+02	2514E+04	-1386E+04	-1761E+04	-3548E+03	-6523E+03	6898E+02	2514E+04	-1378E+04	-1683E+04
-2270E+03	-4052E+03	-1373E+03	6074E+04	-4535E+04	1247E+04	-2270E+03	-4052E+03	-1373E+03	6074E+04	-4551E+04	1295E+04
-6714E+01	-1847E+02	2113E+02	1477E+03	-1393E+03	7417E+02	-6714E+01	-1847E+02	2113E+02	1477E+03	-1368E+03	7636E+02
-1030E+03	-1303E+03	5575E+02	1084E+04	-1044E+04	-5449E+03	-1030E+03	-1303E+03	5575E+02	1084E+04	-1037E+04	-5244E+03
2056E-02	-3848E-02	7472E-02	4784E-02	2230E-01	9774E-02	2056E-02	-3848E-02	7472E-02	4784E-02	2319E-01	1023E-01

SQUARE ROOT SUM OF THE SQUARES  
 6742E+03 9427E+03 2955E+03 6756E+04 5499E+04 2391E+04 6742E+03 9427E+03 2955E+03 6756E+04 5495E+04 2381E+04  
 CLOSELY SPACED MCDF SUMMATION METHOD  
 9085E+03 1265E+04 3596E+03 7303E+04 6240E+04 3008E+04 9085E+03 1265E+04 3596E+03 7303E+04 6225E+04 3015E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 23)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-2135E+03	-4632E+03	1123E+03	2069E+04	-6427E+03	-5398E+04	-2135E+03	-4632E+03	1123E+03	2069E+04	-6304E+03	-5347E+04
-3558E+03	-1376E+04	5417E+02	3286E+03	1433E+04	-1530E+05	-3558E+03	-1376E+04	5417E+02	3286E+03	1427E+04	-1515E+05
9319E+02	-4516E+03	-1291E+03	2295E+04	1381E+04	-8722E+03	9319E+02	-4516E+03	-1291E+03	2295E+04	1367E+04	-8229E+03
-2319E+02	-2048E+02	-1950E+01	1150E+03	3449E+02	-3558E+01	-2319E+02	-2048E+02	-1950E+01	1150E+03	3427E+02	-1324E+01
4746E+02	1394E+03	9700E+01	2397E+03	-7418E+02	5686E+03	4746E+02	1394E+03	9700E+01	2397E+03	-7313E+02	5534E+03
8248E-02	-1430E-02	2317E-02	6869E-02	-1683E-01	-1211E-01	8248E-02	-1430E-02	2317E-02	6869E-02	-1658E-01	-1227E-01





ELEMENT TYPE (3/D P I P E

ELEMENT NUMBER ( 23)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.135E+03	-.4632E+03	.1123E+03	.2069E+04	-.6427E+03	-.5398E+03	.2135E+03	-.4632E+03	.1123E+03	.2069E+04	-.6304E+03	-.5347E+04
.358E+03	-.1376E+04	-.5417E+02	.3286E+03	.1433E+04	-.1530E+03	.3558E+03	-.1376E+04	-.5417E+02	.3286E+03	.1427E+04	-.1515E+05
.9319E+02	-.4516E+03	-.1291E+03	.2295E+04	.1381E+04	-.8722E+03	.9319E+02	-.4516E+03	-.1291E+03	.2295E+04	.1367E+04	-.8229E+03
-.2319E+02	-.2048E+02	-.1950E+01	.1150E+03	.3449E+02	-.3558E+01	-.2319E+02	-.2048E+02	-.1950E+01	.1150E+03	.3427E+02	-.1324E+01
.4746E+02	.1394E+03	.9700E+01	.2397E+03	-.7418E+02	.5686E+03	.4746E+02	.1394E+03	.9700E+01	.2397E+03	-.7313E+02	.5534E+03
.8248E-02	.1430E-02	.2317E-02	.6869E-02	-.1683E-01	-.1211E-01	.8248E-02	.1430E-02	.2317E-02	.6869E-02	-.1658E-01	-.1227E-01

SQUARE ROOT SUM OF THE SQUARES

.4286E+03	.1527E+04	.1798E+03	.3118E+04	.2092E+04	.1626E+05	.4286E+03	.1527E+04	.1798E+03	.3118E+04	.2075E+04	.1610E+05
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CLOSELY SPACED CODE SUMMATION METHOD

.5850E+03	.1905E+04	.2122E+03	.3415E+04	.2514E+04	.2072E+05	.5850E+03	.1905E+04	.2122E+03	.3415E+04	.2491E+04	.2052E+05
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ELEMENT TYPE (3/D P I P E

ELEMENT NUMBER ( 24)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	HZ(C)
.2135E+03	-.4611E+03	.1218E+03	.2068E+04	-.7300E+03	-.5335E+04	.3600E+03	-.3586E+03	.1218E+03	.1873E+04	-.3597E+03	-.1719E+04
.3549E+03	-.1377E+04	-.2857E+02	.3271E+03	.1144E+04	-.1517E+05	-.8097E+03	-.1169E+04	-.2857E+02	.6594E+03	.7157E+03	-.3943E+04
.1001E+03	-.4540E+03	-.1250E+03	.2295E+04	.1351E+04	-.8484E+03	-.6331E+02	-.4605E+03	-.1250E+03	.2429E+04	-.5957E+03	.3185E+04
-.2318E+02	-.2049E+02	-.1551E+01	.1150E+03	.3424E+02	-.1973E+01	-.2884E+02	-.1119E+02	-.1551E+01	.1174E+03	-.2095E+02	.1378E+03
.424E+02	.1394E+03	.3989E+00	.2398E+03	-.6280E+02	.5546E+03	.8885E+02	.1158E+03	.3989E+00	.2038E+03	.1385E+03	-.5714E+03
.8249E-02	.1473E-02	.2288E-02	.6868E-02	-.1081E-01	-.1196E-01	.8248E-02	-.1475E-02	.2288E-02	.4119E-02	.1419E-02	-.1195E-01

SQUARE ROOT SUM OF THE SQUARES

.4289E+03	.1528E+04	.1769E+03	.3118E+04	.1916E+04	.1612E+05	.8933E+03	.1312E+04	.1769E+03	.3147E+04	.1008E+04	.5385E+04
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CLOSELY SPACED CODE SUMMATION METHOD

.5850E+03	.1905E+04	.1965E+03	.3414E+04	.2332E+04	.2053E+05	.1179E+04	.1604E+04	.1965E+03	.3604E+04	.1250E+04	.6602E+04
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ELEMENT TYPE (3/D P I P E

ELEMENT NUMBER ( 24)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-.4619E+03	-.2118E+03	.1218E+03	.1819E+04	.5515E+02	.7971E+03
-.1164E+04	-.8161E+03	-.2857E+02	.8228E+03	.1988E+03	.4812E+04
-.2189E+03	-.4101E+03	-.1250E+03	.1882E+04	-.2469E+04	.7026E+04
-.3093E+02	-.5144E+00	-.1551E+01	.1005E+03	-.7355E+02	.1894E+03
.1235E+03	.7790E+02	.3989E+00	.1438E+03	-.1971E+03	-.1426E+04
.7227E-02	-.4240E-02	.2288E-02	.7850E+02	.1947E-01	.1326E-01

SQUARE ROOT SUM OF THE SQUARES

.1278E+04	.9408E+03	.1769E+03	.2749E+04	.2486E+04	.8673E+04
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CLOSELY SPACED CODE SUMMATION METHOD

.1652E+04	.1110E+04	.1965E+03	.3310E+04	.2568E+04	.9279E+04
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ELEMENT TYPE (3/D P I P E

ELEMENT NUMBER ( 25)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.3575E+03	-.3005E+03	-.2349E+03	-.4964E+01	.1649E+04	.1108E+04	-.3575E+03	-.3005E+03	-.2349E+03	-.4964E+01	.1621E+04	.1144E+04
-.8313E+03	-.1105E+04	-.3305E+03	-.3125E+04	.3693E+04	-.6865E+03	-.8313E+03	-.1105E+04	-.3305E+03	-.3125E+04	.3654E+04	-.5552E+03
.2269E+03	-.4051E+03	.1373E+03	-.6074E+04	.4534E+04	.1246E+04	-.2269E+03	-.4051E+03	.1373E+03	-.6074E+04	.4550E+04	.1245E+04
-.8373E+01	-.2011E+02	-.2199E+02	-.1533E+03	.1494E+03	.7458E+02	-.8373E+01	-.2011E+02	-.2199E+02	-.1533E+03	.1467E+03	.7697E+02
.9044E+02	.1064E+03	.3869E+02	.9551E+03	-.9215E+03	.5758E+03	.9044E+02	.1064E+03	.3869E+02	.9551E+03	-.9169E+03	.5632E+03
-.2058E-02	.3849E-02	.7471E-02	.4794E+02	.2231E-01	-.9781E-02	-.2058E-02	.3849E-02	.7471E-02	.4794E+02	.2320E-01	-.1024E-01

SQUARE ROOT SUM OF THE SQUARES

.9374E+03	.1220E+04	.4304E+03	.6898E+04	.6147E+04	.1895E+04	.9374E+03	.1220E+04	.4304E+03	.6898E+04	.6127E+04	.1902E+04
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CLOSELY SPACED CODE SUMMATION METHOD

.1216E+04	.1474E+04	.5902E+03	.7055E+04	.7183E+04	.2320E+04	.1216E+04	.1474E+04	.5902E+03	.7055E+04	.7141E+04	.2274E+04
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ELEMENT TYPE (3/D P I P E

ELEMENT NUMBER ( 26)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.3196E+03	-.1061E+04	-.4733E+02	-.1725E+04	-.3399E+03	-.1188E+05	-.3196E+03	-.1061E+04	-.4733E+02	-.1725E+04	-.3451E+03	-.1177E+05
-.1873E+03	-.4167E+03	-.5043E+02	-.8674E+03	.1472E+03	-.4913E+04	-.1873E+03	-.4167E+03	-.5043E+02	-.8674E+03	.1417E+03	-.4868E+04



SQUARE ROOT SUM OF THE SQUARES  
 9.4E+03 .1220E+04 .4304E+03 .898E+04 .614E+04 .1895E+04 .9374E+03 .10E+04 .4304E+03 .6898E+04 .127E+04 .1902E+04  
 CLOSELY SPACED MCDF SUMMATION METHOD  
 1216E+04 .1474E+04 .5902E+03 .7055E+04 .7183E+04 .2320E+04 .1216E+04 .1474E+04 .5902E+03 .7055E+04 .7141E+04 .2274E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 26)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.3196E+03	.1061E+04	.4733E+02	.1725E+04	.3399E+03	.1188E+05	.3196E+03	.1061E+04	.4733E+02	.1725E+04	.3451E+03	.1177E+05
.1873E+03	.4167E+03	.5043E+02	.8674E+03	.1472E+03	.4913E+04	.1873E+03	.4167E+03	.5043E+02	.8674E+03	.1417E+03	.4868E+04
.9244E+02	.4628E+03	.1302E+03	.2271E+04	.1398E+04	.1023E+04	.9244E+02	.4628E+03	.1302E+03	.2271E+04	.1384E+04	.9725E+03
.2288E+02	.1939E+02	.1906E+01	.1179E+03	.3328E+02	.1193E+02	.2288E+02	.1939E+02	.1906E+01	.1179E+03	.3307E+02	.1405E+02
.4753E+02	.1399E+03	.9774E+01	.2412E+03	.7503E+02	.5753E+03	.4753E+02	.1399E+03	.9774E+01	.2412E+03	.7396E+02	.5600E+03
.8247E+02	.1429E+02	.2322E+02	.6876E+02	.1687E+01	.1212E+01	.8247E+02	.1429E+02	.2322E+02	.6876E+02	.1661E+01	.1227E+01

SQUARE ROOT SUM OF THE SQUARES  
 .3854E+03 .1238E+04 .1478E+03 .2993E+04 .1448E+04 .1291E+05 .3854E+03 .1238E+04 .1478E+03 .2993E+04 .1435E+04 .1278E+05  
 CLOSELY SPACED MCDF SUMMATION METHOD  
 .5241E+03 .1562E+04 .1648E+03 .3541E+04 .1515E+04 .1684E+05 .5241E+03 .1562E+04 .1648E+03 .3541E+04 .1501E+04 .1667E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 27)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
.3198E+03	.1060E+04	.6734E+02	.1723E+04	.1272E+03	.1177E+05	.6660E+03	.8840E+03	.6734E+02	.1763E+04	.9844E+02	.3196E+04
.1878E+03	.4161E+03	.5897E+02	.8667E+03	.2318E+03	.4865E+04	.3203E+03	.3253E+03	.5897E+02	.8229E+03	.1348E+02	.1594E+04
.9931E+02	.4652E+03	.1260E+03	.2271E+04	.1365E+04	.9983E+03	.6791E+02	.4708E+03	.1260E+03	.2411E+04	.5825E+03	.3131E+04
.2288E+02	.1940E+02	.1528E+01	.1179E+03	.3333E+02	.1342E+02	.2818E+02	.1028E+02	.1528E+01	.1198E+03	.2262E+02	.1443E+03
.4331E+02	.1399E+03	.4805E+00	.2413E+03	.6358E+02	.5613E+03	.8909E+02	.1163E+03	.4805E+00	.2051E+03	.1391E+03	.5689E+03
.8247E+02	.1472E+02	.2293E+02	.6874E+02	.1684E+01	.1196E+01	.8247E+02	.1475E+02	.2293E+02	.4120E+02	.1424E+02	.1195E+01

SQUARE ROOT SUM OF THE SQUARES  
 .3862E+03 .1238E+04 .1546E+03 .2991E+04 .1393E+04 .1279E+05 .7480E+03 .1059E+04 .1546E+03 .3107E+04 .6075E+03 .4785E+04  
 CLOSELY SPACED MCDF SUMMATION METHOD  
 .5248E+03 .1562E+04 .1795E+03 .3539E+04 .1447E+04 .1667E+05 .9975E+03 .1308E+04 .1795E+03 .3631E+04 .6359E+03 .5844E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 27)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.9309E+03	.5987E+03	.6734E+02	.1791E+04	.5748E+02	.3344E+04
.4131E+03	.1943E+03	.5897E+02	.8574E+03	.2065E+03	.6978E+03
.2267E+03	.4182E+03	.1260E+03	.1867E+04	.2458E+04	.7052E+04
.2099E+02	.1160E+00	.1528E+01	.1022E+03	.7578E+02	.1891E+03
.1238E+03	.7825E+02	.4805E+00	.1450E+03	.1974E+03	.1427E+04
.7226E+02	.4239E+02	.2293E+02	.7860E+02	.1951E+01	.1326E+01

SQUARE ROOT SUM OF THE SQUARES  
 .1051E+04 .7597E+03 .1546E+03 .2732E+04 .2477E+04 .7967E+04  
 CLOSELY SPACED MCDF SUMMATION METHOD  
 .1377E+04 .9000E+03 .1795E+03 .3308E+04 .2561E+04 .8446E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 28)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.6882E+03	.8094E+03	.3171E+03	.1842E+04	.3311E+04	.1974E+03	.6882E+03	.8094E+03	.3171E+03	.1842E+04	.3273E+04	.2924E+03
.2790E+03	.3102E+03	.1953E+03	.1287E+03	.1085E+04	.2675E+03	.2790E+03	.3102E+03	.1953E+03	.1287E+03	.1062E+04	.3039E+03
.2058E+03	.4044E+03	.1447E+03	.6092E+04	.4662E+04	.6471E+03	.2458E+03	.4044E+03	.1447E+03	.6092E+04	.4679E+04	.6946E+03
.6749E+01	.2025E+02	.2109E+02	.1561E+03	.1545E+03	.6092E+02	.6749E+01	.2025E+02	.2109E+02	.1561E+03	.1520E+03	.6330E+02
.8976E+02	.1079E+03	.3820E+02	.9113E+03	.8995E+03	.6759E+03	.8976E+02	.1079E+03	.3820E+02	.9113E+03	.8950E+03	.6632E+03
.2421E+02	.4253E+02	.7135E+02	.5631E+02	.2175E+01	.1065E+01	.2421E+02	.4253E+02	.7135E+02	.5631E+02	.2259E+01	.1115E+01

SQUARE ROOT SUM OF THE SQUARES  
 .7874E+03 .9627E+03 .4019E+03 .6432E+04 .5891E+04 .9949E+03 .7874E+03 .9627E+03 .4019E+03 .6432E+04 .5879E+04 .1051E+04  
 CLOSELY SPACED MCDF SUMMATION METHOD  
 .1004E+04 .1204E+04 .5414E+03 .6636E+04 .6603E+04 .1121E+04 .1004E+04 .1204E+04 .5414E+03 .6636E+04 .6573E+04 .1206E+04



1.609E+01	1.2025E+02	2.109E+02	5.61E+03	1.545E+03	6.092E+02	6.749E+01	2.05E+02	2.109E+02	1.561E+03	5.20E+03	6.330E+02
8.976E+02	1.079E+03	3.820E+02	9.113E+03	8.995E+03	6.759E+03	8.976E+02	1.079E+03	3.820E+02	9.113E+03	8.950E+03	6.632E+03
2.21E-02	4.253E-02	7.135E-02	5.631E-02	2.175E-01	1.065E-01	2.21E-02	4.253E-02	7.135E-02	5.631E-02	2.259E-01	1.115E-01

SQUARE ROOT SUM OF THE SQUARES

7.874E+03	9.627E+03	4.019E+03	6.432E+04	5.891E+04	9.949E+03	7.874E+03	9.627E+03	4.019E+03	6.432E+04	5.879E+04	1.051E+04
CLOSELY SPACED MCDF SUMMATION METHOD											
1.004E+04	1.204E+04	5.414E+03	6.636E+04	6.603E+04	1.121E+04	1.004E+04	1.204E+04	5.414E+03	6.636E+04	6.573E+04	1.206E+04

ELEMENT TYPE (3/D P I P E

) / / / ELEMENT NUMBER ( 29)

PX(I)	VY(I)	VZ(I)	TX(I)	HY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	IX(J)	HY(J)	HZ(J)
2.282E+00	1.537E+00	5.274E+01	0.	3.167E+03	9.232E+01	2.282E+00	1.537E+00	5.274E+01	0.	2.058E-10	2.183E-10
4.928E+00	1.660E+02	3.198E+01	4.547E-12	1.921E+03	9.966E+03	4.928E+00	1.660E+02	3.198E+01	4.547E-12	6.594E-11	5.821E-10
4.802E+01	2.958E+03	1.289E-01	3.608E-15	7.740E+00	1.776E+05	4.802E+01	2.958E+03	1.289E-01	3.608E-15	1.430E-13	2.328E-09
2.740E+00	3.029E+02	7.441E+00	1.066E-13	4.469E+02	1.819E+04	2.740E+00	3.029E+02	7.441E+00	1.066E-13	4.463E-12	5.821E-10
8.868E-01	9.665E+01	3.910E+03	0.	2.348E+05	5.804E+03	8.868E-01	9.665E+01	3.910E+03	0.	1.419E-09	1.455E-10
1.587E-09	1.059E-07	1.390E-01	5.551E-15	8.348E+00	6.359E-06	1.587E-09	1.059E-07	1.390E-01	5.551E-15	4.205E-13	2.711E-19

SQUARE ROOT SUM OF THE SQUARES

4.841E+01	2.980E+03	3.910E+03	4.549E-12	2.348E+05	1.789E+05	4.841E+01	2.980E+03	3.910E+03	4.549E-12	1.435E-09	2.483E-09
CLOSELY SPACED MCDF SUMMATION METHOD											
5.133E+01	3.276E+03	3.918E+03	4.549E-12	2.353E+05	1.967E+05	5.133E+01	3.276E+03	3.918E+03	4.549E-12	1.449E-09	3.050E-09



SSSS	SSSSSSSS	SSSSSSSS	SSSSSS	SSSSSS	SSSSSS	SSSSSSSS	SSSSSSSS	AGB32CP
SSSS	SSSSSSSS	SSSSSSSS	SSSSSS	SSSSSS	SSSSSS	SSSSSSSS	SSSSSSSS	AGB32CP
SS SS	SS SS	SS SS	SS SS	SS SS	SS SS	SS SS	SS SS	AGB32CP
SS SS	SS SS	SS SS	SS SS	SS SS	SS SS	SS SS	SS SS	AGB32CP
SS SS	SS SS	SSSSSSSS	SSSS	SS SS	SS	SSSSSSSS	SSSSSSSS	AGB32CP
SS SS	SS SS	SSSSSSSS	SSSS	SS SS	SS	SSSSSSSS	SSSSSSSS	AGB32CP
SSSSSSSS	SS SSSS	SS SS	SS	SS	SS	SS	SS	AGB32CP
SSSSSSSS	SS SSSS	SS SS	SS	SS	SS	SS	SS	AGB32CP
SS SS	SS SS	SS SS	SS SS	SS	SS	SS	SS	AGB32CP
SS SS	SS SS	SS SS	SS SS	SS	SS	SS	SS	AGB32CP
SS SS	SSSSSSSS	SSSSSSSS	SSSSSS	SSSSSSSS	SSSSSSSS	SS	SS	AGB32CP
SS SS	SSSSSSSS	SSSSSSSS	SSSSSS	SSSSSSSS	SSSSSSSS	SS	SS	AGB32CP

NRC BENCHMARK PROBLEM 323 A PIPING SYSTEM





# PIPING BENCH MARK PROBLEM - 523A

OPTION	0	0	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000
SHOCK	0	31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANCHOR	0	1	10.5000	40.3330	58.8200	0.0000	0.0000	0.0000
RESTRAINT	0	1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
JUNCTION	0	34	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INERTIA	0	4	3835.0200	3835.0200	3835.0200	0.0000	0.0000	0.0000
INERTIA	0	5	2107.0400	2107.0400	2107.0400	0.0000	0.0000	0.0000
INERTIA	0	6	1888.7200	1888.7200	1888.7200	0.0000	0.0000	0.0000
INERTIA	0	7	2275.1200	2275.1200	2275.1200	0.0000	0.0000	0.0000
INERTIA	0	9	2076.1300	2076.1300	2076.1300	0.0000	0.0000	0.0000
INERTIA	0	11	1526.2800	1526.2800	1526.2800	0.0000	0.0000	0.0000
INERTIA	0	12	938.9520	938.9520	938.9520	0.0000	0.0000	0.0000
INERTIA	0	13	1522.8000	1522.8000	1522.8000	0.0000	0.0000	0.0000
INERTIA	0	15	2940.1900	2940.1900	2940.1900	0.0000	0.0000	0.0000
INERTIA	0	17	2940.1900	2940.1900	2940.1900	0.0000	0.0000	0.0000
INERTIA	0	19	2941.2700	2941.2700	2941.2700	0.0000	0.0000	0.0000
INERTIA	0	21	2940.8900	2940.8900	2940.8900	0.0000	0.0000	0.0000
INERTIA	0	23	2940.8900	2940.8900	2940.8900	0.0000	0.0000	0.0000
INERTIA	0	25	2940.8900	2940.8900	2940.8900	0.0000	0.0000	0.0000
INERTIA	0	27	2940.8900	2940.8900	2940.8900	0.0000	0.0000	0.0000
INERTIA	0	29	2940.8900	2940.8900	2940.8900	0.0000	0.0000	0.0000
INERTIA	0	31	2940.8900	2940.8900	2940.8900	0.0000	0.0000	0.0000
INERTIA	0	33	2937.0300	2937.0300	2937.0300	0.0000	0.0000	0.0000
INERTIA	0	35	3977.2200	3977.2200	3977.2200	0.0000	0.0000	0.0000
INERTIA	0	36	2904.9500	2904.9500	2904.9500	0.0000	0.0000	0.0000
INERTIA	0	37	1498.0700	1498.0700	1498.0700	0.0000	0.0000	0.0000
INERTIA	0	38	4068.0200	4068.0200	4068.0200	0.0000	0.0000	0.0000
PIPE	1	41	30.0000	.8500	29.9000	0.0000	0.0000	0.0000



INERTIA

0

38

4068.0200

4068.0200

4068.0200

0.0000

0.0000

0.0000

PIPE

1

41

30.0000

.8500

29.9000

0.0000

0.0000

0.0000

## PIPING BENCH MARK PROBLEM - 323A

RUN	1	2	0.0000	0.0000	-3.8500	0.0000	0.0000	0.0000
ELBOW	2	3	0.0000	0.0000	0.0000	45.0000	0.0000	0.0000
RUN	3	4	0.0000	7.0000	0.0000	0.0000	0.0000	0.0000
RUN	4	5	0.0000	7.0000	0.0000	0.0000	0.0000	0.0000
RUN	5	6	0.0000	7.0000	0.0000	0.0000	0.0000	0.0000
RUN	6	7	0.0000	5.5500	0.0000	0.0000	0.0000	0.0000
RUN	7	8	0.0000	5.5500	0.0000	0.0000	0.0000	0.0000
RUN	8	9	0.0000	4.0000	0.0000	0.0000	0.0000	0.0000
RUN	9	10	0.0000	4.0000	0.0000	0.0000	0.0000	0.0000
SPRING	9	10	1000000.0000	0.0000	1000000.0000	0.0000	0.0000	0.0000
RUN	10	11	0.0000	4.0000	0.0000	0.0000	0.0000	0.0000
ELBOW	11	12	0.0000	0.0000	0.0000	45.0000	0.0000	0.0000
RUN	12	13	3.9940	0.0000	-9.9180	0.0000	0.0000	0.0000
RUN	13	14	4.6590	0.0000	-1.4690	0.0000	0.0000	0.0000
RUN	14	15	4.5130	0.0000	-1.8700	0.0000	0.0000	0.0000
RUN	15	16	4.3330	0.0000	-2.2560	0.0000	0.0000	0.0000
RUN	16	17	4.1200	0.0000	-2.6170	0.0000	0.0000	0.0000
RUN	17	18	3.8760	0.0000	-2.9740	0.0000	0.0000	0.0000
RUN	18	19	3.6020	0.0000	-3.3010	0.0000	0.0000	0.0000
RUN	19	20	3.3010	0.0000	-3.6020	0.0000	0.0000	0.0000
SPRING	19	20	250000.0000	200000.0000	250000.0000	0.0000	0.0000	0.0000
RUN	20	21	2.9740	0.0000	-3.8760	0.0000	0.0000	0.0000
RUN	21	22	2.6250	0.0000	-4.1200	0.0000	0.0000	0.0000
RUN	22	23	2.2560	0.0000	-4.3330	0.0000	0.0000	0.0000
RUN	23	24	1.8698	0.0000	-4.5130	0.0000	0.0000	0.0000
RUN	24	25	1.4692	0.0000	-4.6590	0.0000	0.0000	0.0000
RUN	25	26	1.0570	0.0000	-4.7700	0.0000	0.0000	0.0000
SPRING	25	26	450000.0000	200000.0000	450000.0000	0.0000	0.0000	0.0000



RUN	25	26	1.0570	0.0000	-4.7700	0.0000	0.0000	0.0000
SPRING	25	26	450000.0000	2000000.0000	0000.0000	0.0000	0.0000	0.0000

PIPING BENCH MARK PROBLEM - 323A

RUN	26	27	.6380	0.0000	-4.8440	0.0000	0.0000	0.0000
RUN	27	28	.2130	0.0000	-4.8810	0.0000	0.0000	0.0000
RUN	28	29	-.2130	0.0000	-4.8810	0.0000	0.0000	0.0000
RUN	29	30	-.6380	0.0000	-4.8440	0.0000	0.0000	0.0000
SPRING	29	30	0.0000	2000000.0000	0.0000	0.0000	0.0000	0.0000
RUN	30	31	-1.0570	0.0000	-4.7700	0.0000	0.0000	0.0000
RUN	31	32	-1.4690	0.0000	-4.6590	0.0000	0.0000	0.0000
RUN	32	33	-1.8700	0.0000	-4.5130	0.0000	0.0000	0.0000
RUN	33	34	-2.2560	0.0000	-4.3330	0.0000	0.0000	0.0000
RUN	34	51	.0216	0.0000	-.0805	0.0000	0.0000	0.0000
FLEX	34	51	800000.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RUN	34	35	-7.9090	0.0000	-12.4000	0.0000	0.0000	0.0000
ELBOW	35	36	0.0000	0.0000	0.0000	150.0000	0.0000	0.0000
RUN	36	37	-11.7900	0.0000	4.0580	0.0000	0.0000	0.0000
RUN	37	38	-6.9340	0.0000	2.3880	0.0000	0.0000	0.0000
RUN	38	39	-6.9340	0.0000	2.3880	0.0000	0.0000	0.0000
ELBOW	39	40	0.0000	0.0000	0.0000	45.0000	0.0000	0.0000
CHANGE	39	40	32.0000	.9050	29.9000	0.0000	0.0000	0.0000
RUN	40	41	0.0000	-3.7520	0.0000	0.0000	0.0000	0.0000
SPRING	40	41	*****					
SPRING								



# PIPING BENCH MARK PROBLEM - 323A

## CONTROL INFORMATION

NUMBER OF NODAL POINTS = 57  
 NUMBER OF ELEMENT TYPES = 2  
 NUMBER OF LOAD CASES = 0  
 NUMBER OF FREQUENCIES = 31  
 ANALYSIS CODE (NDYN) = 1  
 EQ.0, STATIC  
 EQ.1, NODAL EXTRACTION  
 EQ.2, FORCED RESPONSE  
 EQ.3, RESPONSE SPECTRUM  
 EQ.4, DIRECT INTEGRATION  
 SOLUTION CODE (MCDEX) = 0  
 EQ.0, EXECUTION  
 EQ.1, DATA CHECK  
 NUMBER OF SUBSPACE  
 ITERATION VECTORS (NAD) = 0  
 EQUATIONS PER BLOCK = 0  
 TAPE10 SAVE FLAG (N10SV) = 0

## NODAL POINT INPUT DATA

NODES		BOUNDARY CONDITION CODES							NODAL POINT COORDINATES				
SAP	THR	X	Y	Z	XX	YY	ZZ	X	Y	Z		T	
1	1	1	1	1	1	1	1	126.000	483.996	705.840	0	0.000	
2	2	0	0	0	0	0	0	126.000	483.996	704.640	0	0.000	
3	3	0	0	0	0	0	0	126.000	528.996	659.640	0	0.000	
4	4	0	0	0	0	0	0	126.000	567.996	659.640	0	0.000	
5	5	0	0	0	0	0	0	126.000	651.996	659.640	0	0.000	
6	6	0	0	0	0	0	0	126.000	735.996	659.640	0	0.000	
7	7	0	0	0	0	0	0	126.000	802.596	659.640	0	0.000	
8	8	0	0	0	0	0	0	126.000	869.196	659.640	0	0.000	
9	9	0	0	0	0	0	0	126.000	917.196	659.640	0	0.000	
10	10	0	0	0	0	0	0	126.000	965.196	659.640	0	0.000	
11	11	0	0	0	0	0	0	126.000	968.196	659.640	0	0.000	
12	12	0	0	0	0	0	0	169.857	1013.196	649.560	0	0.000	
13	13	0	0	0	0	0	0	173.928	1013.196	648.624	0	0.000	
14	14	0	0	0	0	0	0	229.836	1013.196	630.996	0	0.000	
15	15	0	0	0	0	0	0	283.992	1013.196	608.556	0	0.000	
16	16	0	0	0	0	0	0	335.988	1013.196	581.464	0	0.000	
17	17	0	0	0	0	0	0	385.428	1013.196	559.080	0	0.000	
18	18	0	0	0	0	0	0	431.940	1013.196	514.392	0	0.000	
19	19	0	0	0	0	0	0	475.160	1013.196	474.780	0	0.000	
20	20	0	0	0	0	0	0	514.776	1013.196	431.556	0	0.000	
21	21	0	0	0	0	0	0	550.460	1013.196	385.044	0	0.000	
22	22	0	0	0	0	0	0	581.964	1013.196	335.604	0	0.000	
23	23	0	0	0	0	0	0	609.036	1013.196	283.608	0	0.000	
24	24	0	0	0	0	0	0	631.476	1013.196	229.452	0	0.000	
25	25	0	0	0	0	0	0	649.104	1013.196	173.544	0	0.000	
26	26	0	0	0	0	0	0	661.788	1013.196	116.304	0	0.000	
27	27	0	0	0	0	0	0	669.444	1013.196	58.176	0	0.000	
28	28	0	0	0	0	0	0	672.000	1013.196	-3.396	0	0.000	
29	29	0	0	0	0	0	0	669.444	1013.196	-58.968	0	0.000	
30	30	0	0	0	0	0	0	661.788	1013.196	-117.096	0	0.000	
31	31	0	0	0	0	0	0	649.104	1013.196	-174.336	0	0.000	
32	32	0	0	0	0	0	0	631.476	1013.196	-230.244	0	0.000	
33	33	0	0	0	0	0	0	609.036	1013.196	-284.400	0	0.000	
34	34	0	0	0	0	0	0	581.964	1013.196	-336.396	0	0.000	
35	35	0	0	0	0	0	0	582.723	1013.196	-337.362	0	0.000	
36	35	0	0	0	0	0	0	550.602	1013.196	-385.566	0	0.000	
37	36	0	0	0	0	0	0	375.319	1013.196	-446.737	0	0.000	

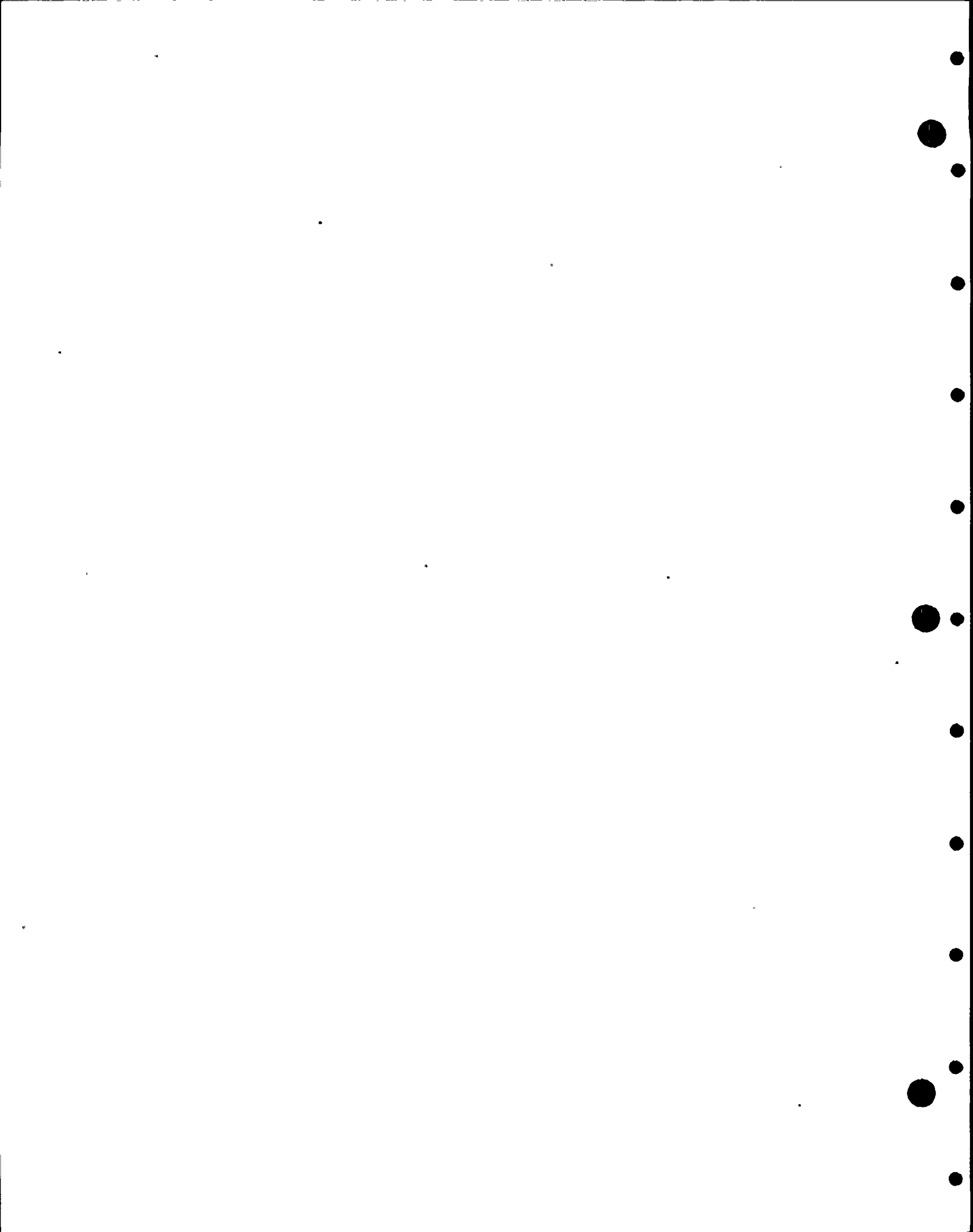




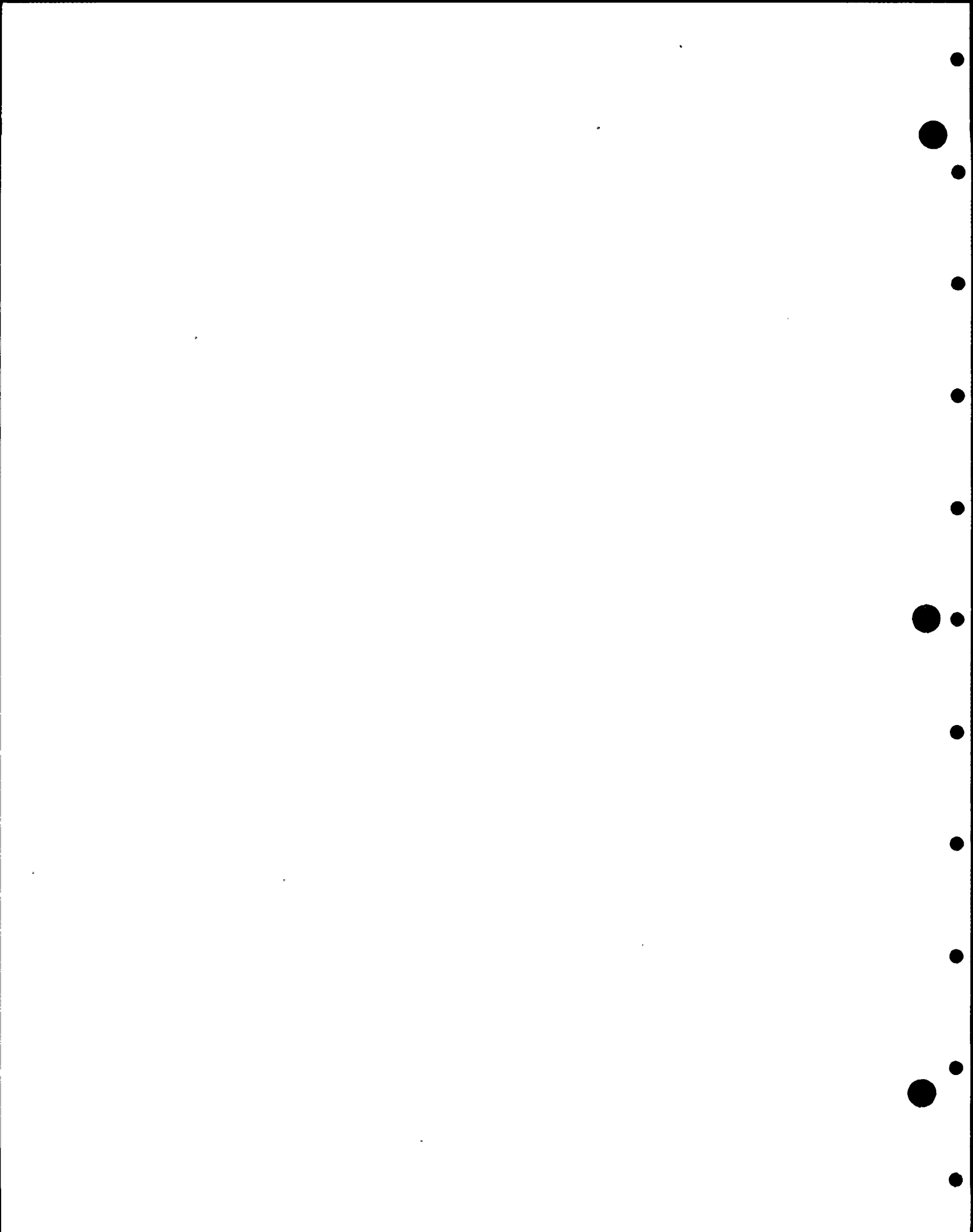








34	199	200	201	202	203	204
35	205	206	207	208	209	210
36	211	212	213	214	215	216
37	217	218	219	220	221	222
38	223	224	225	226	227	228
39	229	230	231	232	233	234
40	235	236	237	238	239	240
41	241	242	243	244	245	246
42	0	0	0	0	0	0
43	0	0	0	0	0	0
44	0	0	0	0	0	0
45	0	0	0	0	0	0
46	0	0	0	0	0	0
47	0	0	0	0	0	0
48	0	0	0	0	0	0
49	0	0	0	0	0	0
50	0	0	0	0	0	0
51	0	0	0	0	0	0
52	0	0	0	0	0	0
53	0	0	0	0	0	0
54	0	0	0	0	0	0
55	0	0	0	0	0	0
56	0	0	0	0	0	0
57	0	0	0	0	0	0



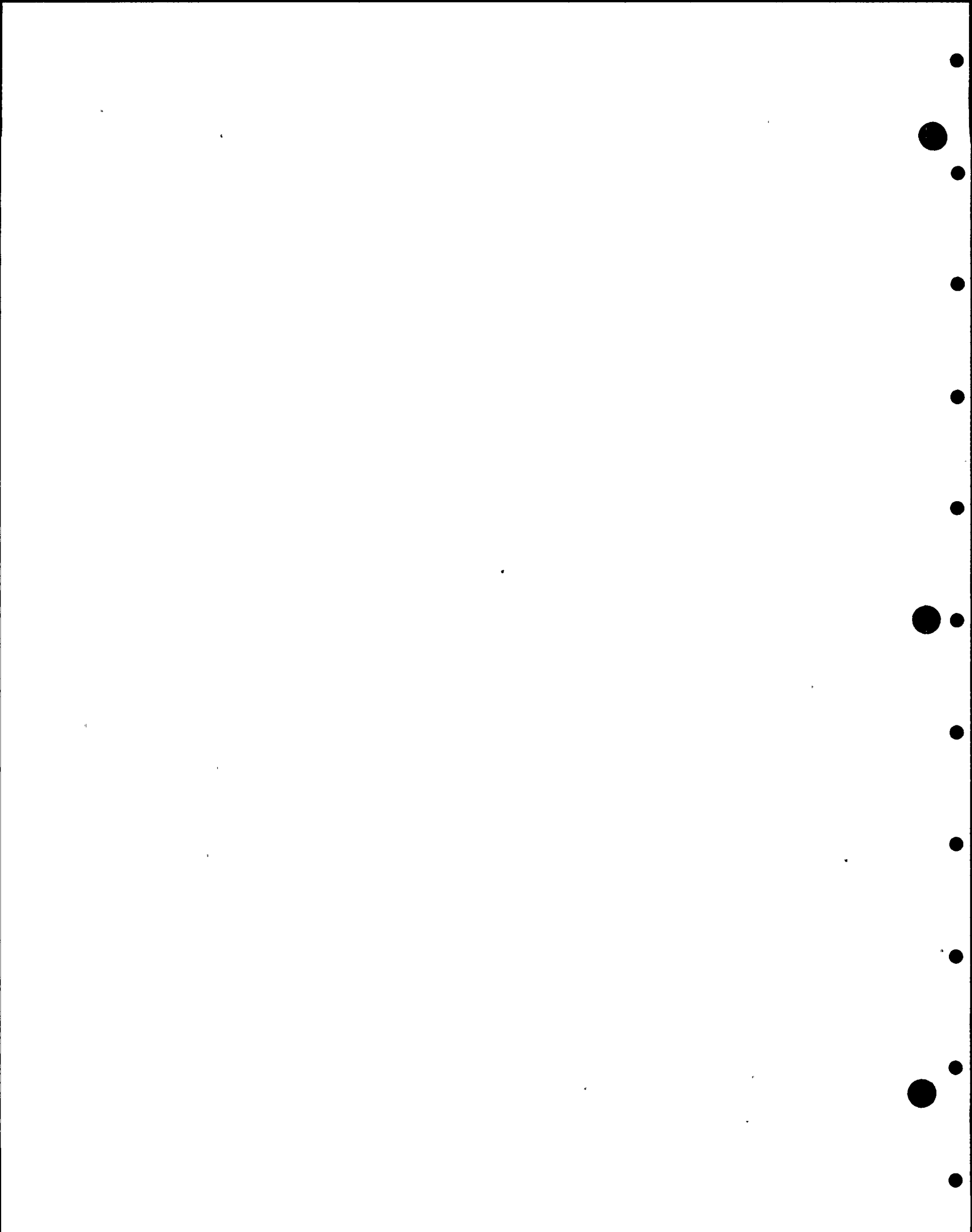
# BOUNDARY ELEMENTS

ELEMENT TYPE = 7  
NUMBER OF ELEMENTS = 16

## ELEMENT LOAD CASE MULTIPLIERS

CASE(A) CASE(B) CASE(C) CASE(D)  
1.0000 0.0000 0.0000 0.0000

ELEM. NO.	NODE (N)		NODES (NI)		DEFINING (NJ)		CONSTRAINT (KK)		DIRECTION (NL)		CODE KD	CODE KR	GENERATION CODE (KN)	SPECIFIED DISPLACEMENT	SPECIFIED ROTATION	SPRING RATE
	SAP	THR	SAP	THR	SAP	THR	SAP	THR	SAP	THR						
1	34	34	35	51	0	0	0	0	0	0	1	0	0	0.	0.	,8000E+06
2	10	10	43	52	0	0	0	0	0	0	1	0	0	0.	0.	,1000E+07
3	10	10	44	53	0	0	0	0	0	0	1	0	0	0.	0.	,1000E+07
4	20	20	45	54	0	0	0	0	0	0	1	0	0	0.	0.	,2500E+06
5	20	20	46	55	0	0	0	0	0	0	1	0	0	0.	0.	,2000E+07
6	20	20	47	56	0	0	0	0	0	0	1	0	0	0.	0.	,2500E+06
7	26	26	48	57	0	0	0	0	0	0	1	0	0	0.	0.	,4500E+06
8	26	26	49	58	0	0	0	0	0	0	1	0	0	0.	0.	,2000E+07
9	26	26	50	59	0	0	0	0	0	0	1	0	0	0.	0.	,4500E+06
10	30	30	51	60	0	0	0	0	0	0	1	0	0	0.	0.	,2000E+07
11	42	41	52	61	0	0	0	0	0	0	1	0	0	0.	0.	,1000E+10
12	42	41	53	62	0	0	0	0	0	0	1	0	0	0.	0.	,1000E+10
13	42	41	54	63	0	0	0	0	0	0	1	0	0	0.	0.	,1000E+10
14	42	41	55	64	0	0	0	0	0	0	0	1	0	0.	0.	,1000E+12
15	42	41	56	65	0	0	0	0	0	0	0	1	0	0.	0.	,1000E+12
16	42	41	57	66	0	0	0	0	0	0	0	1	0	0.	0.	,1000E+12





# PIPE ELEMENT INPUT DATA

## CONTROL INFORMATION

NUMBER OF PIPE ELEMENTS = 40  
 NUMBER OF MATERIAL SETS = 2  
 MAXIMUM NUMBER OF MATERIAL  
 TEMPERATURE INPUT POINTS = 1  
 NUMBER OF SECTION PROPERTY SETS = 2  
 NUMBER OF BRANCH POINT AGES = 0  
 MAXIMUM NUMBER OF TANGENTS  
 COMMON TO A BRANCH POINT = 4  
 FLAG FOR NEGLECTING AXIAL  
 DEFORMATIONS IN BEND ELEMENTS = 0  
 (EQ.1, NEGLECT)

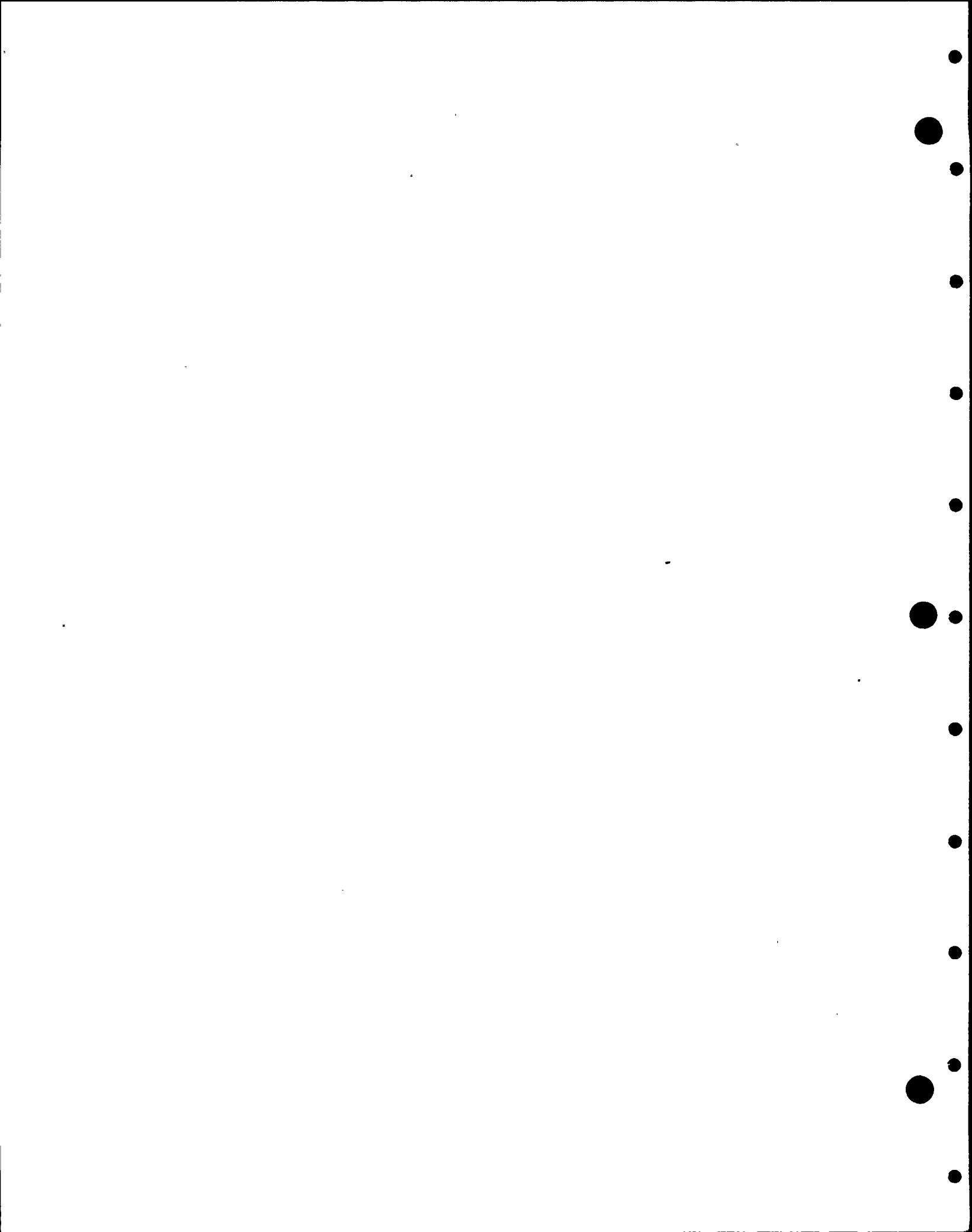
## MATERIAL PROPERTY TABLES

MATERIAL NUMBER = ( 1 )  
 NUMBER OF  
 TEMPERATURE POINTS = ( 1 )  
 IDENTIFICATION = ( )

POINT NUMBER	TEMPERATURE	YOUNG'S MODULUS	POISSON'S RATIO	THERMAL EXPANSION
1	0.00	29900000.0	.300	0.

MATERIAL NUMBER = ( 2 )  
 NUMBER OF  
 TEMPERATURE POINTS = ( 1 )  
 IDENTIFICATION = ( )

POINT NUMBER	TEMPERATURE	YOUNG'S MODULUS	POISSON'S RATIO	THERMAL EXPANSION
1	0.00	29900000.0	.300	0.



# SECTION PROPERTY TABLE

SECTION NUMBER	OUTSIDE DIAMETER	WALL THICKNESS	SHAPE FACTOR FOR SHEAR	WEIGHT/ UNIT LENGTH	MASS/ UNIT LENGTH	DESCRIPTION
1	30.000	.8500	0.0000	0,	0,	
2	32.000	.9050	0.0000	0,	0,	

# ELEMENT LOAD CASE MULTIPLIERS

	CASE A	CASE B	CASE C	CASE D
X-DIRECTION GRAVITY	0.000	0.000	0.000	0.000
Y-DIRECTION GRAVITY	0.000	0.000	0.000	0.000
Z-DIRECTION GRAVITY	0.000	0.000	0.000	0.000
THERMAL DISTORTION	0.000	0.000	0.000	0.000
PRESSURE DISTORTION	0.000	0.000	0.000	0.000

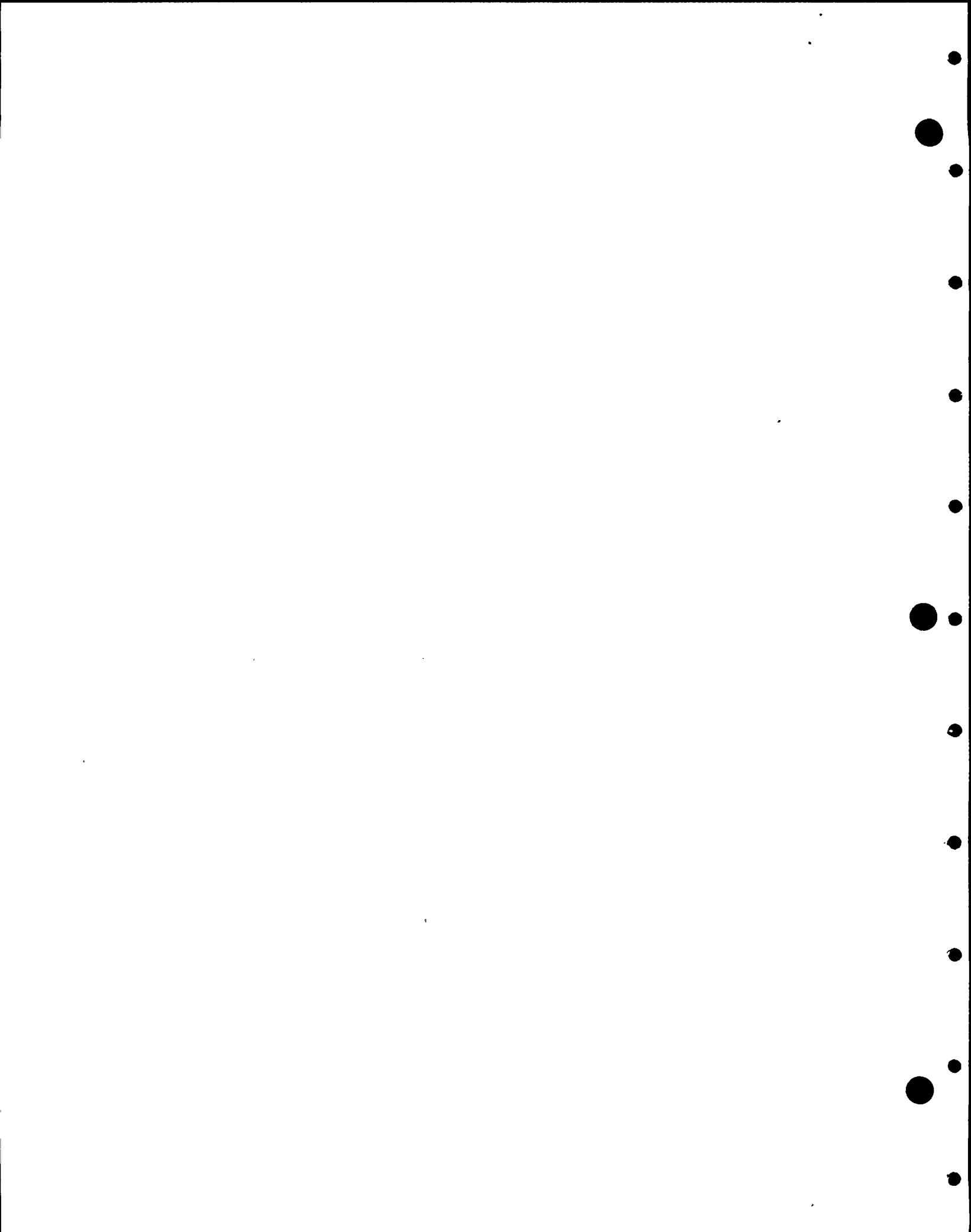


# PIPE ELEMENT INPUT DATA

ELEMENT NUMBER	ELEMENT TYPE	NODE -I	NODE -J	MATL. NUMBER	SECTION NUMBER	REFERENCE TEMPERATURE (BEND RADIUS)	INTERNAL PRESSURE (THIRD POINT)	D I R E C T I O N C O S I N E - S			NODE INCREMENT (WALL FRACTION)	INPUT TAG
								A(YX) (X3- ORDINATE)	A(YZ) (Y3- ORDINATE)	A(YZ) (Z3- ORDINATE)		
1	TANGENT	1	2	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
2	BEND	2	3	1	1	0.00 ( 45.000)	0.00 (TI)	0.0000 ( 126.000)	0.0000 ( 483.996)	0.0000 ( 659.640)	1 ( ,1000)	IC
3	TANGENT	3	4	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
4	TANGENT	4	5	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
5	TANGENT	5	6	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
6	TANGENT	6	7	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
7	TANGENT	7	8	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
8	TANGENT	8	9	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
9	TANGENT	9	10	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
10	TANGENT	10	11	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
11	BEND	11	12	1	1	0.00 ( 45.000)	0.00 (TI)	0.0000 ( 126.000)	0.0000 ( 1013.196)	0.0000 ( 659.640)	1 ( ,1000)	IC
12	TANGENT	12	13	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
13	TANGENT	13	14	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
14	TANGENT	14	15	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
15	TANGENT	15	16	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
16	TANGENT	16	17	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
17	TANGENT	17	18	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
18	TANGENT	18	19	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
19	TANGENT	19	20	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
20	TANGENT	20	21	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
21	TANGENT	21	22	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
22	TANGENT	22	23	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
23	TANGENT	23	24	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
24	TANGENT	24	25	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
25	TANGENT	25	26	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
26	TANGENT	26	27	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
27	TANGENT	27	28	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
28	TANGENT	28	29	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
29	TANGENT	29	30	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
30	TANGENT	30	31	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
31	TANGENT	31	32	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
32	TANGENT	32	33	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
33	TANGENT	33	34	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
34	TANGENT	34	35	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
35	BEND	35	36	1	1	0.00 ( -150.000)	0.00 (TI)	0.0000 ( 487.056)	0.0000 ( 1013.196)	0.0000 ( -485.196)	1 ( ,1000)	IC
36	TANGENT	36	37	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
37	TANGENT	37	38	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
38	TANGENT	38	39	1	1	0.00	0.00	0.0000	0.0000	0.0000	1	II
39	BEND	39	40	2	2	0.00 ( 45.000)	0.00 (TI)	0.0000 ( 179.160)	0.0000 ( 1013.196)	0.0000 ( -379.188)	1 ( ,1000)	IC
40	TANGENT	40	41	2	2	0.00	0.00	0.0000	0.0000	0.0000	1	II

NUMBER OF EQUATIONS PER BLOCK= 246 FOR 31 MODES, MTOT= 130999

NO. OF MODES FOR THIS DYNAMIC ANALYSIS IS 31 MODES



NUMBER OF EQUATIONS PER BLOCK= 246 FOR 31 MODES MTOT= 130999

NO. OF MODES FOR THIS DYNAMIC ANALYSIS IS 31 MODES

EQUATION PARAMETERS

TOTAL NUMBER OF EQUATIONS = 246  
BANDWIDTH = 12  
NUMBER OF EQUATIONS IN A BLOCK = 246  
NUMBER OF BLOCKS = 1





# NODAL LOADS (STATIC) CR MASSES (DYNAMIC)

NODE SAP	LOAD THR	CASE	X-AXIS FORCE	Y-AXIS FORCE	Z-AXIS FORCE	X-AXIS MOMENT	Y-AXIS MOMENT	Z-AXIS MOMENT
4	4	0	.99200E+01	.99200E+01	.99200E+01	0.	0.	0.
5	5	0	.54500E+01	.54500E+01	.54500E+01	0.	0.	0.
6	6	0	.48900E+01	.48900E+01	.48900E+01	0.	0.	0.
7	7	0	.58900E+01	.58900E+01	.58900E+01	0.	0.	0.
9	9	0	.53700E+01	.53700E+01	.53700E+01	0.	0.	0.
11	11	0	.39500E+01	.39500E+01	.39500E+01	0.	0.	0.
12	12	0	.24300E+01	.24300E+01	.24300E+01	0.	0.	0.
13	13	0	.39400E+01	.39400E+01	.39400E+01	0.	0.	0.
15	15	0	.76100E+01	.76100E+01	.76100E+01	0.	0.	0.
17	17	0	.76100E+01	.76100E+01	.76100E+01	0.	0.	0.
19	19	0	.76100E+01	.76100E+01	.76100E+01	0.	0.	0.
21	21	0	.76100E+01	.76100E+01	.76100E+01	0.	0.	0.
23	23	0	.76100E+01	.76100E+01	.76100E+01	0.	0.	0.
25	25	0	.76100E+01	.76100E+01	.76100E+01	0.	0.	0.
27	27	0	.76100E+01	.76100E+01	.76100E+01	0.	0.	0.
29	29	0	.76100E+01	.76100E+01	.76100E+01	0.	0.	0.
31	31	0	.76100E+01	.76100E+01	.76100E+01	0.	0.	0.
33	33	0	.76000E+01	.76000E+01	.76000E+01	0.	0.	0.
36	35	0	.10300E+02	.10300E+02	.10300E+02	0.	0.	0.
37	36	0	.75200E+01	.75200E+01	.75200E+01	0.	0.	0.
38	37	0	.38800E+01	.38800E+01	.38800E+01	0.	0.	0.
39	38	0	.10500E+02	.10500E+02	.10500E+02	0.	0.	0.

STRUCTURE LOAD CASE	ELEMENT A	LOAD B	MULTIPLIERS C	D
1	0.000	0.000	0.000	0.000



# EIGENVALUE ANALYSIS

DETERMINANT SEARCH SOLUTION IS CARRIED OUT

## CONTROL INFORMATION

FLAG FOR ADDITIONAL PRINTING = 0  
EQ.0, SUPPRESS  
EQ.1, PRINT

STURM SEQUENCE CHECK FLAG (\*) = 0  
EQ.0, PERFORM CHECK  
EQ.1, PASS

MAXIMUM ITERATION CYCLES (\*) = 16

CONVERGENCE TOLERANCE (\*) = .1000E-04

CUT-OFF FREQUENCY (CPS) = .1000E+09

NUMBER OF STARTING ITERATION  
VECTORS TO BE READ FROM  
TAPE10 (\*) = 0

(\*) APPLICABLE TO SUBSPACE  
ITERATION SOLUTIONS ONLY

SOLUTION IS SOUGHT FOR FOLLOWING EIGENPROBLEM

NUMBER OF EQUATIONS = 246

HALF BANDWIDTH OF STIFFNESS MATRIX = 18

NUMBER OF EQUATION BLOCKS = 1

NUMBER OF EQUATIONS PER BLOCK = 246

NUMBER OF EIGENVALUES REQUIRED = 31

WE SOLVED FOR THE FOLLOWING EIGENVALUES

.161217537604E+04	.394265626050E+04	.695678233286E+04	.828327472208E+04	.927452318348E+04	.120900461184E+05
.143895567778E+05	.152051551593E+05	.181425828994E+05	.325425372517E+05	.352243153898E+05	.391442261335E+05
.404597705183E+05	.522333033279E+05	.663293235046E+05	.675825691551E+05	.886848141586E+05	.977959511093E+05
.992031896180E+05	.110635777611E+06	.127881891981E+06	.135210912476E+06	.179735870433E+06	.196026960419E+06
.224532842453E+06	.247607212877E+06	.257417353817E+06	.292786130486E+06	.308012331739E+06	.339573694919E+06



BE SELECTED FOR THE FOLLOWING EIGENVALUES

.161217537604E+04	.394265626050E+04	.695678233286E+04	.826327472208E+04	.927452318348E+04	.120900461184E+05
.143895567778E+05	.152051551593E+05	.181425828794E+05	.25372517E+05	.352243153898E+05	.391442261335E+05
.404597705183E+05	.522333033279E+05	.663293235046E+05	.675825691551E+05	.886848141586E+05	.977959511093E+05
.992031896180E+05	.110635777611E+06	.127881891981E+06	.135210912476E+06	.179735870433E+06	.196026960419E+06
.224532842451E+06	.247607212877E+06	.257417353817E+06	.292786130486E+06	.308012331739E+06	.339573694919E+06
.389832576522E+06					

THE FOLLOWING ARE PHYSICAL ERROR BOUNDS ON THE EIGENPAIRS

.274311484913E-09	.214248523861E-09	.150774034604E-09	.390374021634E-09	.762682482451E-10	.530087480671E-10
.595915532406E-10	.316950971589E-08	.539935465882E-10	.306371154571E-10	.560323927921E-10	.186224873272E-09
.157222926349E-08	.586880089186E-09	.329870552796E-10	.459158191779E-10	.187907379843E-10	.469977312774E-09
.905860193676E-10	.506078908495E-10	.334177414422E-10	.423967195243E-10	.210502749529E-10	.954902867091E-10
.215064463524E-10	.948698145443E-10	.426901134620E-10	.536006248991E-10	.105602712653E-09	.161911571459E-10
.430980265203E-10					



PRINT OF FREQUENCIES

MODE NUMBER	CIRCULAR FREQUENCY (RAD/SEC)	FREQUENCY (CYCLES/SEC)	PERIOD (SEC)
1	.4015E+02	.6390E+01	.1565E+00
2	.6279E+02	.9993E+01	.1001E+00
3	.8341E+02	.1327E+02	.7533E-01
4	.9101E+02	.1449E+02	.6904E-01
5	.9630E+02	.1533E+02	.6524E-01
6	.1106E+03	.1750E+02	.5714E-01
7	.1200E+03	.1909E+02	.5238E-01
8	.1233E+03	.1963E+02	.5095E-01
9	.1347E+03	.2144E+02	.4665E-01
10	.1804E+03	.2871E+02	.3483E-01
11	.1877E+03	.2987E+02	.3348E-01
12	.1978E+03	.3149E+02	.3176E-01
13	.2011E+03	.3201E+02	.3124E-01
14	.2285E+03	.3637E+02	.2749E-01
15	.2575E+03	.4099E+02	.2440E-01
16	.2600E+03	.4137E+02	.2417E-01
17	.2978E+03	.4740E+02	.2110E-01
18	.3127E+03	.4977E+02	.2009E-01
19	.3150E+03	.5013E+02	.1995E-01
20	.3326E+03	.5294E+02	.1889E-01
21	.3576E+03	.5691E+02	.1757E-01
22	.3677E+03	.5852E+02	.1709E-01
23	.4240E+03	.6747E+02	.1482E-01
24	.4427E+03	.7047E+02	.1419E-01
25	.4738E+03	.7542E+02	.1326E-01
26	.4976E+03	.7920E+02	.1263E-01
27	.5074E+03	.8075E+02	.1238E-01
28	.5411E+03	.8612E+02	.1161E-01
29	.5550E+03	.8833E+02	.1132E-01
30	.5827E+03	.9274E+02	.1078E-01





25	.4758E+03	.7542E+02	.1328E+01
26	.4976E+03	.7920E+02	.1263E-01
	.5074E+03	.8075E+02	.1238E-01
28	.5411E+03	.8612E+02	.1161E-01
29	.5550E+03	.8833E+02	.1132E-01
30	.5827E+03	.9274E+02	.1078E-01
31	.6244E+03	.9937E+02	.1006E-01

PRINT OF EIGENVECTORS



# NODE DISPLACEMENTS / ROTATIONS

NCDE NUMBER	EIGEN- VECTOR	X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
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57	66	1	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.
		6	0.	0.	0.	0.	0.
		7	0.	0.	0.	0.	0.
		8	0.	0.	0.	0.	0.
		9	0.	0.	0.	0.	0.
		10	0.	0.	0.	0.	0.
		11	0.	0.	0.	0.	0.
		12	0.	0.	0.	0.	0.
		13	0.	0.	0.	0.	0.
		14	0.	0.	0.	0.	0.
		15	0.	0.	0.	0.	0.
		16	0.	0.	0.	0.	0.
		17	0.	0.	0.	0.	0.
		18	0.	0.	0.	0.	0.
		19	0.	0.	0.	0.	0.
		20	0.	0.	0.	0.	0.
		21	0.	0.	0.	0.	0.
		22	0.	0.	0.	0.	0.
		23	0.	0.	0.	0.	0.
		24	0.	0.	0.	0.	0.
		25	0.	0.	0.	0.	0.
		26	0.	0.	0.	0.	0.
		27	0.	0.	0.	0.	0.
		28	0.	0.	0.	0.	0.
		29	0.	0.	0.	0.	0.
		30	0.	0.	0.	0.	0.
		31	0.	0.	0.	0.	0.

56	65	1	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.
		6	0.	0.	0.	0.	0.
		7	0.	0.	0.	0.	0.
		8	0.	0.	0.	0.	0.
		9	0.	0.	0.	0.	0.
		10	0.	0.	0.	0.	0.
		11	0.	0.	0.	0.	0.
		12	0.	0.	0.	0.	0.
		13	0.	0.	0.	0.	0.
		14	0.	0.	0.	0.	0.
		15	0.	0.	0.	0.	0.
		16	0.	0.	0.	0.	0.
		17	0.	0.	0.	0.	0.
		18	0.	0.	0.	0.	0.
		19	0.	0.	0.	0.	0.
		20	0.	0.	0.	0.	0.
		21	0.	0.	0.	0.	0.
		22	0.	0.	0.	0.	0.
		23	0.	0.	0.	0.	0.
		24	0.	0.	0.	0.	0.
		25	0.	0.	0.	0.	0.
		26	0.	0.	0.	0.	0.
		27	0.	0.	0.	0.	0.



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18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

53 62

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

52 61

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.





20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

51 60

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

50 59

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

44 58

1	0.	0.	0.	0.	0.	0.
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22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

49 58

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

48 57

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

47 56

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.



24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

47 56

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

46 55

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

45 54

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.



27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

45 54

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

4a 53

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

43 52

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.





43 52

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

42 41

1	.36066E-06	-.46153E-05	.13902E-07	-.35019E-05	-.87292E-06	-.42434E-05
2	-.12880E-04	-.72678E-06	-.50333E-05	-.14033E-05	.72137E-05	.34254E-05
3	.74512E-06	.11459E-06	.15668E-06	-.12362E-06	-.35128E-06	-.15407E-06
4	-.17846E-06	.66202E-07	-.18197E-06	-.18053E-07	.16100E-06	.76795E-07
5	-.43752E-05	-.89953E-07	-.15494E-05	-.42267E-06	.18513E-05	.12521E-05
6	-.38027E-05	-.10047E-05	-.26597E-05	-.10853E-05	.20845E-05	.79930E-06
7	.61396E-05	.26268E-05	.79284E-05	.33710E-05	-.47990E-05	-.10920E-05
8	.15334E-04	-.27510E-04	-.89503E-05	-.11162E-04	-.10167E-05	-.12264E-04
9	.66828E-05	-.13911E-05	.87608E-05	.24271E-05	-.52525E-05	-.24589E-05
10	.12815E-04	-.50154E-05	.90611E-04	.12730E-04	-.15952E-04	-.55009E-05
11	.42257E-08	.69522E-06	.11580E-05	.33643E-06	-.44597E-06	.18506E-06
12	-.67159E-05	-.46934E-05	.29750E-04	.85095E-05	-.96043E-05	.59115E-06
13	-.79351E-05	-.33123E-05	.20972E-04	.74263E-05	-.75471E-05	.12455E-05
14	-.10138E-03	-.10050E-04	.89672E-04	.25287E-04	-.17856E-04	.26224E-04
15	-.18106E-03	.12995E-04	.66833E-04	.16437E-04	-.37821E-05	.55100E-04
16	.38177E-04	-.32798E-05	-.14330E-04	-.36548E-05	.79880E-06	-.11703E-04
17	.67103E-04	.52116E-04	-.69786E-04	-.17636E-04	.12226E-04	-.75729E-05
18	-.10387E-03	-.82131E-05	.18161E-04	.16290E-05	.28781E-05	.28468E-04
19	.10889E-03	.17522E-04	-.29056E-04	-.39621E-05	-.72974E-06	-.27931E-04
20	-.68951E-04	.61220E-05	-.80062E-05	-.49447E-05	.64190E-05	.21581E-04
21	-.94567E-04	.27265E-04	-.62082E-04	-.24233E-04	.18623E-04	.34632E-04
22	-.71522E-04	.31038E-04	-.69982E-04	-.26041E-04	.18397E-04	.28800E-04
23	-.12076E-04	.18409E-04	-.05934E-04	-.22599E-04	.13075E-04	.85664E-05
24	.19251E-04	.14304E-04	-.17219E-05	.55393E-06	-.10325E-05	-.28074E-05
25	-.30866E-04	-.52978E-04	-.59256E-04	-.23053E-04	.13748E-04	.14359E-05
26	.86693E-04	.84270E-04	.80086E-04	.26127E-04	-.17157E-04	-.11291E-04
27	-.86957E-04	-.86759E-04	.44553E-05	-.41233E-05	.54713E-05	.89578E-05
28	-.18165E-03	-.15236E-03	.35608E-05	-.99223E-05	.11506E-04	.24609E-04
29	-.50603E-03	-.40398E-03	.12615E-05	.15466E-04	.13593E-04	.69030E-04
30	.11788E-03	.11407E-03	-.96619E-05	.37957E-05	-.66674E-05	-.13154E-04
31	-.24950E-03	-.17454E-03	.13586E-03	.33750E-04	-.56373E-05	.37308E-04

41 40

1	.47990E-06	-.46572E-05	-.69803E-07	-.35282E-05	-.88144E-06	-.42752E-05
2	-.13570E-04	-.73338E-06	-.53040E-05	-.14133E-05	.72841E-05	.34511E-05
3	.79399E-06	.11563E-06	.16319E-06	-.12453E-06	-.35471E-06	-.15523E-06
4	-.14918E-06	.66803E-07	-.19099E-06	-.18187E-07	.16257E-06	.77371E-07
5	-.46118E-05	-.90770E-07	-.16327E-05	-.42584E-06	.18693E-05	.12615E-05
6	-.40014E-05	-.28113E-05	-.28113E-05	-.10933E-05	.21048E-05	.80530E-06
7	.64461E-05	.26507E-05	.83838E-05	.33969E-05	-.48458E-05	-.11002E-05
8	.16353E-04	-.27760E-04	-.78415E-05	-.11245E-04	-.10267E-05	-.12357E-04
9	.72689E-05	-.14037E-05	.92326E-05	.24456E-05	-.53037E-05	-.24773E-05



11 40

31	-1.1768E-03	-1.1768E-03	-1.1768E-03	-1.1768E-03	-1.1768E-03	-1.1768E-03
1	.47990E-06	.46572E-05	.69803E-07	.35287E-05	.88144E-06	.42752E-05
2	.13570E-04	.73338E-06	.53046E-05	.14117E-05	.72841E-05	.34511E-05
3	.79399E-06	.11563E-06	.16319E-06	.12453E-06	.35471E-06	.15523E-06
4	.18918E-06	.66803E-07	.19099E-06	.18189E-07	.16257E-06	.77371E-07
5	.46118E-05	.90770E-07	.16327E-05	.42584E-06	.18693E-05	.12615E-05
6	.40014E-05	.10139E-05	.28113E-05	.10934E-05	.21048E-05	.80530E-06
7	.64461E-05	.26507E-05	.83838E-05	.33967E-05	.48458E-05	.11002E-05
8	.16353E-04	.27760E-04	.94415E-05	.11244E-04	.10267E-05	.12357E-04
9	.72689E-05	.14037E-05	.92326E-05	.24456E-05	.53037E-05	.24773E-05
10	.13553E-04	.50604E-05	.42834E-04	.12831E-04	.16107E-04	.55422E-05
11	.33135E-06	.70153E-06	.12207E-05	.33896E-06	.45033E-06	.18645E-06
12	.70470E-05	.47366E-05	.31365E-04	.85733E-05	.96980E-05	.59559E-06
13	.83396E-05	.33423E-05	.26329E-04	.74821E-05	.76207E-05	.12549E-05
14	.10680E-03	.19102E-04	.94534E-04	.25475E-04	.18031E-04	.26421E-04
15	.17093E-03	.13113E-04	.70383E-04	.16561E-04	.38190E-05	.55513E-04
16	.40261E-04	.33095E-05	.15095E-04	.36822E-05	.80065E-06	.11791E-04
17	.70452E-04	.52589E-04	.73503E-04	.17768E-04	.12345E-04	.76297E-05
18	.10945E-03	.82877E-05	.19058E-04	.16412E-05	.29062E-05	.28682E-04
19	.11470E-03	.17687E-04	.29478E-04	.39913E-05	.73686E-06	.28141E-04
20	.72725E-04	.61776E-05	.85031E-05	.49813E-05	.60816E-05	.21743E-04
21	.99864E-04	.27513E-04	.65595E-04	.24415E-04	.18804E-04	.34892E-04
22	.75591E-04	.31320E-04	.73911E-04	.26235E-04	.18576E-04	.29016E-04
23	.12853E-04	.18576E-04	.69592E-04	.22763E-04	.13203E-04	.86508E-05
24	.20227E-04	.14433E-04	.17898E-05	.55809E-06	.10426E-05	.28265E-05
25	.36548E-04	.53459E-04	.62607E-04	.23229E-04	.13882E-04	.14467E-05
26	.93150E-04	.85035E-04	.03551E-04	.26323E-04	.17325E-04	.11376E-04
27	.91276E-04	.87547E-04	.45662E-05	.41544E-05	.55247E-05	.90249E-05
28	.19082E-03	.15375E-03	.34897E-05	.99971E-05	.11618E-04	.24793E-04
29	.53157E-03	.40765E-03	.13248E-03	.15582E-04	.13725E-04	.69547E-04
30	.12376E-03	.11510E-03	.10026E-04	.38247E-05	.67325E-05	.13252E-04
31	.26217E-03	.17616E-03	.14309E-03	.34003E-04	.56923E-05	.37588E-04

40 39

1	.14578E-01	.29355E-01	.11577E-01	.48547E-03	.13521E-04	.82320E-03
2	.12942E-01	.34077E-02	.23283E-01	.40312E-03	.61735E-03	.11408E-03
3	.47014E-03	.33194E-03	.31258E-03	.22937E-05	.21002E-04	.34119E-03
4	.32171E-03	.23323E-03	.40633E-03	.46185E-05	.11004E-04	.72488E-05
5	.40223E-02	.16385E-02	.58677E-02	.10121E-03	.14143E-03	.40445E-04
6	.30835E-02	.68420E-03	.83476E-02	.15657E-03	.15835E-03	.55707E-05
7	.58383E-02	.34317E-02	.21406E-01	.40913E-03	.35930E-03	.13163E-04
8	.31373E-01	.57282E-01	.35353E-01	.10037E-02	.10348E-03	.98486E-03
9	.98523E-02	.38920E-02	.18197E-01	.29003E-03	.34012E-03	.16072E-03
10	.26122E-01	.55094E-02	.64962E-01	.10643E-02	.79968E-03	.49381E-03
11	.26075E-03	.91165E-03	.16135E-02	.23493E-04	.19065E-04	.66382E-05
12	.86697E-02	.13878E-02	.38762E-01	.56353E-03	.43825E-03	.30545E-03
13	.50599E-02	.28692E-02	.32326E-01	.47773E-03	.34102E-03	.23971E-03
14	.28847E-01	.41283E-01	.86785E-01	.19112E-02	.69396E-03	.58449E-03
15	.99673E-01	.89563E-01	.31015E-01	.18873E-03	.12525E-03	.12638E-03
16	.21232E-01	.19387E-01	.70834E-02	.27292E-04	.25035E-04	.29664E-04
17	.87276E-02	.98444E-02	.56804E-01	.65759E-03	.28823E-03	.96414E-03
18	.52114E-01	.33974E-01	.99673E-02	.57863E-03	.35919E-04	.14684E-04
19	.47435E-01	.29494E-01	.16978E-02	.47155E-03	.93046E-05	.16839E-03
20	.45721E-01	.29069E-01	.28006E-01	.73715E-03	.83150E-04	.23921E-03
21	.84223E-01	.47035E-01	.95809E-01	.20266E-02	.14311E-03	.85149E-03
22	.74897E-01	.40124E-01	.97470E-01	.19761E-02	.10545E-03	.88824E-03
23	.30552E-01	.89481E-02	.73573E-01	.13154E-02	.51636E-04	.59846E-03
24	.29809E-02	.27166E-02	.40289E-02	.11130E-03	.43273E-05	.88777E-04
25	.38921E-02	.29743E-01	.74345E-01	.12411E-02	.13365E-03	.98781E-04
26	.18235E-01	.30569E-01	.89047E-01	.16126E-02	.20681E-03	.11536E-04
27	.38294E-02	.24681E-01	.22074E-01	.49093E-03	.48102E-04	.43597E-03
28	.24730E-01	.31722E-01	.49395E-01	.11488E-02	.15751E-03	.64242E-03
29	.56393E-01	.59905E-01	.11906E-01	.10387E-02	.13245E-04	.24515E-02
30	.76875E-02	.27246E-01	.23848E-01	.53286E-03	.78694E-04	.49257E-03
31	.28796E-01	.23894E-02	.68757E-01	.68563E-03	.33930E-03	.14488E-02

39 38

1	.14476E-01	.70913E-01	.11836E-01	.53885E-03	.14149E-06	.84032E-03
2	.22282E-01	.17590E-02	.49806E-01	.37753E-03	.63925E-03	.78069E-04
3	.80832E-03	.47683E-03	.12401E-02	.73160E-05	.22569E-04	.10976E-05
4	.49628E-03	.46142E-03	.90699E-03	.34538E-05	.11740E-04	.63556E-05
5	.61732E-02	.16569E-02	.11908E-01	.93658E-04	.14020E-03	.28115E-04
6	.50485E-02	.28597E-02	.15000E-01	.15078E-03	.15120E-03	.68432E-09
7	.11121E-01	.88612E-02	.34618E-01	.39223E-03	.33299E-03	.11634E-04
8	.30494E-01	.11069E-01	.38873E-01	.10483E-02	.45706E-04	.76889E-03
9	.14887E-01	.61482E-02	.37609E-01	.26085E-03	.30976E-03	.13159E-03
10	.37490E-01	.10639E-01	.95080E-01	.96010E-03	.58447E-03	.42526E-03
11	.69088E-04	.14749E-02	.24182E-02	.16502E-04	.14145E-04	.28902E-05



1	496E-01	7013E-01	118E-01	5388E-03	14149E-06	84032E-07
2	2228E-01	17390E-02	4980E-01	37755E-03	63925E-03	78069E-04
3	80832E-03	47683E-03	12401E-02	73166E-05	22569E-04	10976E-05
4	49628E-03	46142E-03	90699E-03	305E-05	11740E-04	63556E-05
5	61732E-02	16569E-02	11998E-01	936E-04	14920E-03	28115E-04
6	50485E-02	28597E-02	15090E-01	15078E-03	15120E-03	68432E-09
7	11121E-01	88612E-02	34618E-01	39223E-03	33299E-03	11634E-04
8	30494E-01	11069E+00	38893E-01	10488E-02	45706E-04	76889E-03
9	14887E-01	61482E-02	32609E-01	26685E-03	30976E-03	13159E-03
10	37499E-01	10639E-01	98080E-01	96010E-03	58487E-03	42526E-03
11	69088E-04	14749E-02	24162E-02	16502E-04	14145E-04	28902E-05
12	14033E-01	39994E-02	56988E-01	47777E-03	30526E-03	28993E-03
13	10076E-01	10385E-02	46453E-01	40977E-03	22915E-03	23912E-03
14	21262E-01	24241E-01	11591E+00	74744E-03	40567E-03	79873E-03
15	10100E+00	79428E-01	38102E-01	49620E-03	14204E-03	46754E-03
16	21543E-01	17520E-01	80960E-02	97489E-04	25997E-04	10007E-03
17	10939E-01	42964E-01	68116E-01	58624E-03	93844E-05	77846E-03
18	54104E-01	19036E-01	98391E-02	66268E-03	10651E-03	24275E-03
19	48986E-01	97385E-02	24819E-03	56285E-03	99803E-04	34123E-03
20	47531E-01	24196E-01	29712E-01	77458E-03	15230E-03	47280E-05
21	86038E-01	47496E-01	97154E-01	20345E-02	56763E-03	40505E-03
22	75733E-01	44130E-01	97354E-01	19669E-02	60882E-03	47924E-03
23	28532E-01	14523E-01	68276E-01	12335E-02	59043E-03	44237E-03
24	31837E-02	83190E-02	35533E-02	77356E-04	40019E-04	35419E-04
25	11740E-02	41044E-01	65677E-01	93893E-03	67352E-03	41617E-03
26	15042E-01	53036E-01	76128E-01	12293E-02	89909E-03	39429E-03
27	42966E-02	49789E-01	18683E-01	25102E-03	23160E-03	19444E-04
28	24662E-01	76381E-01	39385E-01	73757E-03	60232E-03	15784E-04
29	65446E-01	18449E+00	87074E-02	17432E-03	27641E-03	81815E-03
30	82016E-02	55514E-01	18638E-01	21902E-03	30087E-03	51201E-04
31	39689E-01	59599E-01	53026E-01	85865E-03	78710E-03	84242E-03

1	14887E-01	15685E+00	10763E-01	61924E-03	23345E-04	79144E-03
2	40058E-01	44258E-02	10022E+00	31935E-03	51067E-03	21467E-04
3	14558E-02	80584E-03	30473E-02	18641E-04	18269E-04	59851E-06
4	80274E-03	82426E-03	17858E-02	13676E-05	80406E-04	36631E-05
5	98247E-02	58032E-03	22111E-01	76701E-04	90598E-05	72514E-05
6	91047E-02	69215E-02	25378E-01	12920E-03	80944E-04	53638E-05
7	18657E-01	17544E-01	58106E-01	34448E-03	14842E-03	46562E-04
8	31575E-01	17581E+00	37009E-01	10224E-02	86281E-04	17577E-04
9	21508E-01	74733E-02	51486E-01	20561E-03	10877E-03	58656E-04
10	42639E-01	13670E-01	11327E+00	76705E-03	28535E-03	22829E-03
11	18553E-03	13738E-02	27666E-02	30381E-06	81000E-05	12432E-04
12	15976E-01	13257E-01	62526E-01	32867E-03	19416E-03	17909E-03
13	10445E-01	92656E-02	49224E-01	29363E-03	17597E-03	17147E-03
14	26716E-01	37261E-01	11091E+00	35169E-03	50973E-03	81900E-03
15	10129E+00	26534E-01	50940E-01	94208E-03	11192E-03	11506E-02
16	21796E-01	51149E-02	10587E-01	18743E-03	13228E-04	25385E-03
17	39402E-02	56503E-01	33637E-01	63172E-03	65611E-03	15757E-03
18	47954E-01	31962E-01	14393E-01	67275E-03	35325E-03	23886E-03
19	45411E-01	39011E-01	18035E-01	56502E-03	23677E-03	15871E-03
20	35507E-01	14952E-01	77116E-02	75424E-03	50144E-03	19404E-03
21	45920E-01	14930E-01	21274E-01	19324E-02	15838E-02	16545E-03
22	33638E-01	90544E-02	23506E-01	18643E-02	15615E-02	11437E-03
23	56774E-02	12633E-02	29430E-01	10659E-02	10560E-02	12299E-03
24	13933E-02	38716E-02	33814E-02	13360E-04	79555E-04	13549E-03
25	32307E-01	88903E-02	38681E-01	41182E-03	10420E-02	80081E-03
26	27367E-01	46226E-02	57669E-01	50771E-03	11841E-02	10407E-02
27	48301E-02	53634E-03	18168E-01	21230E-03	36223E-03	75273E-03
28	40571E-03	15136E-02	47380E-01	63134E-04	63415E-03	12443E-02
29	60073E-01	77932E-02	45050E-01	16187E-02	43385E-03	25946E-02
30	25056E-02	14329E-01	24889E-01	27906E-03	29401E-03	74768E-03
31	73557E-01	78554E-02	38032E-01	12940E-02	41964E-03	63428E-03

1	15145E-01	18643E+00	99521E-02	64017E-03	29748E-04	75131E-03
2	45070E-01	72166E-02	11436E+00	29661E-03	41712E-03	68497E-05
3	16377E-02	99528E-03	35503E-02	23072E-04	14728E-04	90694E-07
4	87663E-03	90241E-03	19968E-02	66943E-06	57680E-05	25635E-05
5	10670E-01	60373E-04	24429E-01	70005E-04	62473E-04	16384E-05
6	98621E-02	79758E-02	27278E-01	12012E-03	45300E-04	11274E-04
7	19782E-01	19315E-01	61223E-01	37486E-03	61049E-04	66442E-04
8	32819E-01	18063E+00	33740E-01	99536E-03	12435E-03	34970E-03
9	22179E-01	67920E-02	53322E-01	18607E-03	16458E-04	32006E-04
10	37761E-01	11776E-01	99216E-01	70034E-03	6161E-03	15125E-03
11	52897E-04	87365E-03	23835E-02	65592E-05	17159E-04	18629E-04
12	12725E-01	14680E-01	53633E-01	28161E-03	36713E-03	12138E-03
13	76072E-02	11030E-01	41490E-01	25827E-03	31256E-03	12943E-03



3	1.0777E-02	-.9938E-03	.3550E-02	-.2307E-04	-.1472E-04	.90694E-03
4	-.8703E-03	-.9024E-03	-.19968E-02	-.6696E-06	.57680E-05	.25635E-05
5	-.10670E-01	-.60373E-04	-.24429E-01	-.7000E-04	.62473E-04	.16384E-05
6	-.98621E-02	-.79758E-02	-.27278E-01	-.1201E-03	.45300E-04	.11274E-04
7	.19782E-01	.19315E-01	.61223E-01	.32485E-03	-.61049E-04	-.66442E-04
8	.32819E-01	-.18063E+00	-.33740E-01	-.99533E-03	-.12435E-03	.34970E-03
9	.22179E-01	-.67920E-02	.53322E-01	.18607E-03	-.16458E-04	-.32006E-04
10	.37761E-01	-.11776E-01	.99216E-01	.70034E-03	.61681E-03	-.15125E-03
11	.52897E-04	.87365E-03	.23335E-02	-.65592E-05	.17159E-04	-.18629E-04
12	.12725E-01	-.14686E-01	.53633E-01	.28161E-03	.36713E-03	-.12138E-03
13	.76072E-02	-.11030E-01	.41490E-01	.25827E-03	.31256E-03	-.12943E-03
14	-.34898E-01	-.57576E-01	.90495E-01	.26304E-03	.76369E-03	-.67291E-03
15	-.10142E+00	-.72872E-01	.54247E-01	-.10013E-02	-.93369E-04	-.11038E-02
16	.21932E-01	.15154E-01	-.10942E-01	.17961E-03	.71816E-05	.24563E-03
17	.12063E-01	.38864E-01	-.11205E-01	-.66528E-03	-.72083E-03	-.54230E-03
18	-.44471E-01	-.44279E-01	.26002E-01	-.61560E-03	-.35642E-03	-.61080E-04
19	.43419E-01	.46738E-01	-.25690E-01	.50714E-03	.23093E-03	-.76817E-04
20	-.29561E-01	-.28297E-01	.25243E-01	-.69680E-03	-.52049E-03	-.11937E-03
21	-.28494E-01	-.40701E-01	.70935E-01	-.18105E-02	-.14075E-02	-.12123E-03
22	-.16549E-01	-.33052E-01	.71804E-01	-.17526E-02	-.13349E-02	-.10854E-03
23	.16565E-01	-.70767E-02	.59574E-01	-.98319E-03	-.70883E-03	.75112E-04
24	.76301E-03	-.14053E-02	-.57570E-02	-.36901E-04	.64378E-04	-.17076E-03
25	.41008E-01	.29425E-01	.67161E-01	-.32663E-03	-.64984E-03	.63855E-03
26	-.36335E-01	-.32840E-01	-.87820E-01	.37947E-03	.54083E-03	-.69517E-03
27	.70098E-02	.28173E-01	.28146E-01	.26005E-03	-.23807E-03	.68644E-03
28	.27128E-02	.43890E-01	.61535E-01	.14660E-03	-.11374E-03	.10948E-02
29	-.59522E-01	.10037E+00	.56748E-01	.17772E-02	-.16502E-03	.24135E-02
30	-.31432E-02	-.39870E-01	-.36946E-01	-.26309E-03	.23211E-04	-.43013E-03
31	-.74000E-01	.30803E-01	-.41371E-01	.12704E-02	-.32633E-03	.64153E-03

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1	.11583E-01	-.21085E+00	-.67098E-03	-.86375E-03	-.43758E-04	-.38538E-04
2	-.93827E-01	-.70769E-02	-.59305E-01	-.12472E-03	-.75188E-03	-.11004E-03
3	.24649E-02	-.17856E-02	.25448E-02	-.44946E-04	-.10522E-05	-.50509E-04
4	-.20015E-02	.33811E-03	-.39405E-03	.29768E-05	-.18895E-04	-.40027E-05
5	-.14805E-01	-.14603E-02	-.15190E-01	-.24413E-04	.51501E-04	-.29774E-04
6	-.14310E-01	.25250E-02	-.13978E-01	-.30027E-04	.62950E-04	.29309E-04
7	.30121E-01	-.13202E-01	.26172E-01	.86928E-04	-.12470E-03	-.37489E-04
8	.23204E-01	.13714E+00	-.61713E-03	.49301E-04	-.12908E-03	.14369E-02
9	.31424E-01	.34453E-02	.14563E-01	.67802E-04	-.15473E-03	.14510E-03
10	.86762E-01	.58876E-02	-.11720E+00	.25813E-03	-.17134E-03	.44282E-03
11	.25592E-02	-.51895E-02	-.51841E-02	-.64407E-04	.15653E-04	-.57858E-04
12	.14503E-01	.42310E-02	-.28133E-01	.29077E-04	-.43280E-03	.19991E-03
13	.81816E-02	-.63858E-03	-.23486E-01	.40329E-04	-.34295E-03	.20660E-03
14	-.71108E-01	-.81430E-02	.19529E-01	-.18632E-03	-.70163E-03	.76475E-03
15	-.89556E-01	-.50501E-01	.56798E-01	-.13879E-02	.98825E-03	.46781E-03
16	.17371E-01	.11662E-01	-.65833E-02	.29299E-03	-.21897E-03	-.12270E-03
17	.65593E-01	-.12683E+00	-.27663E-01	-.23953E-02	.28165E-03	-.25961E-04
18	-.17056E-01	.47585E-01	.20389E-01	.66183E-03	.71390E-03	-.76105E-04
19	.25459E-01	-.73082E-01	-.23534E-01	-.10077E-02	-.64454E-03	.11833E-03
20	.13177E-01	.21334E-01	-.59368E-02	.18293E-03	.44437E-03	-.49737E-04
21	.68647E-01	.23672E-01	-.34730E-01	-.21559E-03	.22965E-03	-.54129E-03
22	.74431E-01	.13882E-01	-.49625E-01	-.39167E-03	-.15716E-03	-.56017E-03
23	.46736E-01	.24927E-02	-.55918E-01	-.25130E-03	-.11883E-02	-.35483E-03
24	.33788E-02	-.13653E-01	-.13000E-01	-.38361E-03	-.10184E-03	.14764E-03
25	-.87309E-02	-.12584E-01	.91745E-01	-.34615E-03	-.23950E-03	-.36340E-03
26	.10485E-01	.16743E-02	-.14505E-01	.12858E-04	.11470E-02	.55182E-03
27	-.23903E-01	.61179E-03	.79702E-01	.16631E-03	.70369E-03	-.33405E-03
28	-.26355E-01	-.81632E-02	-.36117E-01	-.15992E-03	-.68406E-03	-.55472E-03
29	-.87506E-01	-.34340E-02	-.49771E-02	.90967E-03	.78342E-03	-.48245E-03
30	.26476E-01	.55508E-01	-.13268E-01	.18307E-02	-.90473E-04	-.57074E-03
31	.41544E-01	-.41978E-02	.50187E-02	.31076E-03	.13382E-02	.13788E-03

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1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.





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1	.96340E-02	-.16764E+00	.57692E-03	-.86008E-03	-.32093E-04	.48524E-04
2	-.12996E+00	-.49992E-02	-.36246E-01	-.98876E-04	-.66706E-03	-.10517E-03
3	.21875E-02	-.12505E-02	.27183E-02	-.48337E-04	-.13746E-04	-.66033E-04
4	-.29398E-02	.71994E-04	.20908E-03	.26160E-05	-.19606E-04	-.31458E-05
5	-.10490E-01	-.12872E-02	-.17873E-01	-.18720E-04	.14288E-03	-.25197E-04
6	-.92165E-02	.43579E-02	-.17110E-01	-.78231E-05	.15908E-03	.27053E-04
7	.19797E-01	-.16705E-01	.32421E-01	.30028E-04	-.31206E-03	-.47278E-05
8	.17012E-01	.16595E+00	.30368E-02	.43255E-03	-.11929E-03	.11596E-02
9	.19525E-01	.47528E-02	.21774E-01	.61827E-04	-.32626E-03	.13412E-03
10	.65767E-01	.80437E-02	-.10430E+00	.21937E-03	-.39645E-03	.42763E-03
11	.29950E-02	-.35139E-02	-.50551E-02	-.70224E-04	.11946E-04	-.66637E-04
12	-.12382E-01	.88529E-02	-.11571E-01	.19473E-04	-.53661E-03	.15109E-03
13	-.12872E-01	.42051E-02	-.10504E-01	.34306E-04	-.41313E-03	.19158E-03
14	-.10430E+00	.25221E-01	.39119E-01	-.11111E-03	-.58911E-03	.75583E-03
15	-.28451E-01	.35529E-01	.17288E-01	-.11884E-02	.12120E-02	.53501E-03
16	.42972E-02	-.74971E-02	.17782E-02	.25022E-03	-.26206E-03	-.14673E-03
17	.68687E-01	.14850E-01	-.28564E-01	-.24417E-02	-.80760E-04	.43956E-03
18	.21672E-01	-.12970E-02	-.40189E-02	.80188E-03	.68944E-03	-.29412E-03
19	-.11452E-01	-.20018E-02	.28093E-03	-.11347E-02	-.67796E-03	.39645E-03
20	.33142E-01	.31517E-02	-.18318E-01	.31818E-03	.28992E-03	-.11884E-03
21	.58578E-01	.49942E-02	-.27718E-01	.29181E-04	-.41645E-03	-.67643E-03
22	.41591E-01	.58717E-02	-.27906E-01	-.16588E-03	-.81484E-03	-.66658E-03
23	-.34744E-01	.27802E-03	-.30480E-02	-.15021E-03	-.14917E-02	-.35397E-03
24	-.38221E-02	.13523E-01	-.76399E-02	-.32186E-03	-.12351E-03	.17620E-03
25	-.94065E-02	-.12338E-02	.83822E-01	-.38348E-03	.30551E-04	-.25099E-03
26	.66278E-01	.15599E-01	-.45266E-01	.11496E-03	.79717E-03	.03980E-03
27	.29322E-01	-.15229E-01	.39530E-01	.87620E-05	.91690E-03	-.29001E-03
28	-.68926E-01	-.10435E-01	-.83642E-02	-.33883E-03	-.51625E-03	-.47849E-03
29	.02238E-02	-.47723E-01	-.41899E-01	.31421E-03	.92738E-03	-.17676E-03
30	.97983E-02	-.79729E-01	-.47661E-03	.15559E-02	-.37373E-03	-.76709E-03
31	.86423E-01	-.71833E-02	-.21711E-01	.84448E-04	.37248E-03	.19318E-03

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1	.83504E-02	-.12112E+00	.12186E-02	-.81763E-03	-.20542E-04	.11622E-03
2	-.16104E+00	-.32545E-02	-.20059E-01	-.76197E-04	-.48242E-03	-.98911E-04
3	.10607E-02	-.72885E-03	.33349E-02	-.47364E-04	-.26029E-04	-.84395E-04
4	-.39741E-02	-.11010E-03	.76806E-03	.12371E-05	-.17311E-04	-.16569E-05
5	-.22932E-03	-.10518E-02	-.23386E-01	-.14680E-04	.21984E-03	-.19677E-04
6	.19468E-02	.48727E-02	-.23042E-01	.15186E-04	.23503E-03	.23749E-04
7	-.18414E-02	-.16506E-01	.43798E-01	-.24226E-04	-.44234E-03	.28471E-04
8	.11243E-01	.16111E+00	.65239E-02	.80907E-03	-.10459E-03	.87158E-03
9	-.20278E-02	.50466E-02	.32901E-01	.63045E-04	.43909E-03	.11877E-03
10	.45579E-01	.87420E-02	-.76145E-01	.19619E-03	-.48712E-03	.40375E-03
11	.37351E-02	-.19734E-02	-.59291E-02	-.56679E-04	.51970E-05	-.86983E-04
12	-.40189E-01	.11163E-01	.22572E-02	.29242E-04	-.42692E-03	.89964E-04
13	-.33894E-01	.70954E-02	-.60513E-04	.54755E-04	-.31174E-03	.16064E-03
14	-.13117E+00	.47079E-01	.52701E-01	.96387E-04	-.13870E-03	.66621E-03
15	.32360E-01	.10034E+00	-.14589E-01	-.57174E-03	.93442E-03	.35055E-03
16	-.90373E-02	-.22066E-01	.87677E-02	.11297E-03	-.19841E-03	-.11397E-03
17	.57600E-01	.14441E+00	-.22496E-01	-.15084E-02	-.44340E-03	.33264E-03



7	-.1714E-02	-.1600E-01	.4379E-01	-.2422E-04	-.44234E-03	.28471E-03
8	.11243E-01	.16111E+00	.65239E-02	.80907E-03	-.10459E-03	.87158E-03
9	-.20278E-02	.50466E-02	.32901E-01	.6304E-04	-.43909E-03	.11877E-03
10	.45579E-01	.8742E-02	-.76145E-01	.196E-03	.48712E-03	.00375E-03
11	.37351E-02	-.19734E-02	-.59261E-02	-.56679E-04	.51970E-05	-.86983E-04
12	-.40189E-01	.11163E-01	.22572E-02	.29242E-04	-.42692E-03	.89964E-04
13	-.33899E-01	.70956E-02	-.60513E-04	.54755E-04	-.31174E-03	.16064E-03
14	-.13117E+00	.47079E-01	.52701E-01	.96387E-04	-.13870E-03	.66621E-03
15	.32360E-01	.10034E+00	-.14589E-01	-.57174E-03	.93442E-03	.35055E-03
16	-.90373E-02	-.22040E-01	.87677E-02	.11299E-03	-.14841E-03	-.11397E-03
17	.57600E-01	.14441E+00	-.22490E-01	-.15084E-02	-.04340E-03	.33264E-03
18	.51992E-01	-.54354E-01	-.20536E-01	.65221E-03	.27411E-03	-.30079E-03
19	-.42412E-01	.64104E-01	.16782E-01	-.63795E-03	-.32869E-03	.31196E-03
20	.42217E-01	-.17702E-01	-.23110E-01	.25768E-03	-.74570E-04	-.75990E-04
21	.26271E-01	-.18694E-01	-.10951E-01	.19890E-04	.75735E-03	-.66888E-03
22	-.76750E-02	-.82780E-02	-.20130E-02	-.92354E-04	-.85982E-03	-.68987E-03
23	-.10239E+00	-.30735E-02	.32581E-01	-.10927E-03	-.46903E-03	-.31966E-03
24	-.63404E-02	.29062E-01	-.46318E-02	.18872E-04	-.17827E-04	.35500E-04
25	-.12329E-01	.11267E-01	.78665E-01	-.23723E-03	.99581E-04	-.20467E-03
26	.93384E-01	.15721E-01	-.55893E-01	.30816E-03	-.36534E-03	.26885E-03
27	.62467E-01	-.17016E-01	.16620E-01	-.25244E-03	.24687E-04	-.17963E-03
28	-.76475E-01	-.20331E-02	-.35737E-02	-.40805E-03	.57839E-03	-.45943E-03
29	.36009E-01	-.45114E-01	-.63468E-01	-.50840E-03	.12972E-03	.28442E-03
30	-.93083E-02	-.14458E+00	.11568E-01	-.58535E-03	-.19473E-03	.14996E-03
31	.79593E-01	-.13362E-02	-.14893E-01	-.46015E-04	-.11081E-02	.19790E-03

32 32

1	.74370E-02	-.75282E-01	.15688E-02	-.72553E-03	-.15332E-04	.15934E-03
2	-.19085E+00	-.18366E-02	-.11764E-01	-.56245E-04	-.23327E-03	-.91819E-04
3	-.55853E-03	-.37236E-03	.40308E-02	-.41552E-04	-.30801E-04	-.10532E-03
4	-.47525E-02	-.14215E-03	.11127E-02	-.11587E-05	.10666E-04	.38010E-06
5	.12740E-01	-.71549E-03	-.28893E-01	-.11903E-04	.23410E-03	-.13552E-04
6	.15056E-01	.39104E-02	-.28798E-01	.36132E-04	.20431E-03	.20600E-04
7	-.27066E-01	-.12750E-01	.54267E-01	-.64159E-04	-.42612E-03	.57381E-04
8	.59781E-02	.12352E+00	.87524E-02	.10594E-02	-.86671E-04	.62288E-03
9	-.27164E-01	.39056E-02	.43138E-01	.67323E-04	-.43666E-03	.10142E-03
10	.12126E-01	.72689E-02	-.84097E-01	.17551E-03	-.68753E-03	.37802E-03
11	.30620E-02	-.17953E-02	-.58696E-02	-.19563E-04	-.15009E-04	-.11907E-03
12	-.57831E-01	.10307E-01	.90873E-02	.38023E-04	-.18600E-03	.26856E-04
13	-.46039E-01	.63761E-02	.46229E-02	.88793E-04	-.11113E-03	.12127E-03
14	-.11833E+00	.47958E-01	.47112E-01	.32152E-03	.54207E-03	.55338E-03
15	.69874E-01	.11334E+00	-.30393E-01	.15411E-03	.38482E-03	.72870E-04
16	-.16578E-01	-.25066E-01	.11891E-01	-.49689E-04	-.68816E-04	-.59985E-04
17	.21388E-01	.19062E+00	-.72648E-02	-.18169E-03	-.71313E-03	-.32449E-04
18	.49733E-01	-.85178E-01	-.20008E-01	.33741E-03	-.27077E-03	-.22455E-03
19	-.45355E-01	.80683E-01	.18447E-01	.19713E-03	.14262E-03	.29040E-04
20	.24666E-01	-.27913E-01	-.15830E-01	.88860E-04	-.43370E-03	.27699E-04
21	-.21930E-01	-.30142E-01	.69951E-02	-.13715E-03	-.76596E-03	-.58178E-03
22	-.48969E-01	-.18429E-01	.15543E-01	-.12272E-03	-.49680E-03	-.66154E-03
23	-.61723E-01	-.40192E-02	.25357E-01	-.10419E-03	.85789E-03	-.26689E-03
24	-.49448E-02	.13250E-01	-.50969E-02	.37803E-03	.10024E-03	-.14278E-03
25	-.47524E-02	.11061E-01	.66025E-01	-.23606E-04	.99763E-04	-.28300E-03
26	.26593E-01	-.35774E-02	-.25091E-01	.40652E-03	-.13315E-02	.12357E-03
27	.25473E-01	.26062E-02	.24298E-01	-.40789E-03	-.91298E-03	-.97528E-04
28	-.47809E-02	.10059E-01	-.30354E-01	-.34027E-03	.13325E-02	-.50336E-03
29	.17516E-01	.19830E-01	-.49057E-01	-.88977E-03	-.70408E-03	.60611E-03
30	-.89656E-02	-.10463E-01	.13000E-01	-.22738E-02	.11399E-03	.10790E-02
31	-.29519E-01	.75087E-02	.30967E-01	-.51160E-04	-.17440E-02	.14738E-03

31 31

1	.66442E+02	-.35055E-01	.17907E-02	-.57303E-03	-.14627E-04	.17752E-03
2	-.18640E+00	-.76977E-03	-.99227E-02	-.38416E-04	.48719E-04	-.84375E-04
3	-.23105E-02	-.34385E-03	.46085E-02	-.30450E-04	-.29391E-04	-.12861E-03
4	-.51262E-02	.31060E-04	.12522E-02	-.45678E-05	-.23504E-05	.28836E-05
5	.25405E-01	-.29696E-03	-.33024E-01	-.99710E-05	.19664E-03	-.71234E-05
6	.28734E-01	.17166E-02	-.33004E-01	.52221E-04	.19820E-03	.18710E-04
7	-.48571E-01	-.71844E-02	.61083E-01	-.78232E-04	-.28067E-03	.77818E-04
8	.17572E-02	.99930E-01	.10130E-01	.10642E-02	-.62940E-04	.45824E-03
9	-.50081E-01	.17302E-02	.50205E-01	.70415E-04	-.32726E-03	.84241E-04
10	-.31306E-01	.46414E-02	-.72146E-01	.14372E-03	-.77133E-03	.35681E-03
11	.20294E-02	-.45747E-02	-.54729E-02	.45291E-04	-.34906E-04	-.16296E-03
12	-.60671E-01	.81817E-02	.95306E-02	.25005E-04	.13167E-03	-.28827E-04
13	-.48119E-01	.22320E-02	.43207E-02	.12323E-03	.13998E-03	.80477E-04
14	-.71200E-01	.33993E-01	.31969E-01	.44782E-03	.10705E-02	.47099E-03
15	.73912E-01	.86436E-01	-.31940E-01	.67605E-03	-.30120E-03	-.14926E-03
16	-.16473E-01	-.19019E-01	.11860E-01	-.16764E-03	.83764E-04	-.18149E-04
17	-.20506E-01	.16306E+00	.02430E-02	.93968E-03	-.61227E-03	-.35809E-03
18	.21651E-01	-.10051E+00	-.11520E-01	.14811E-03	-.64009E-03	-.18686E-03
19	-.23928E-01	.43507E-01	.12104E-01	.10780E-02	.53862E-03	-.29585E-03



9	-.0081E-01	.1002E-02	.5070E-01	.7041E-04	-.3272E-03	.80241E-03
10	-.31300F-01	.40414F-02	-.72108E-01	.14371E-03	-.77133E-03	.35681E-03
11	.70294E-02	-.45747E-02	-.50729F-02	.4529E-04	-.30906E-04	-.16296E-03
12	-.00671E-01	.81817E-02	.95306E-02	.250E-04	.13167E-03	-.28827E-04
13	-.46119E-01	.22320F-02	.43207E-02	.1232E-03	.13998E-03	.80477E-04
14	-.71200E-01	.33993E-01	.31969E-01	.44782E-03	.10785E-02	.47099E-03
15	.73912E-01	.86436E-01	-.31940E-01	.67603E-03	-.30120E-03	-.14926E-03
16	-.16473E-01	-.19017E-01	.11860E-01	-.16761E-03	.83764E-04	-.18109E-04
17	-.20560E-01	.16306F+00	.02430E-02	.93963E-03	-.61227E-03	-.35809E-03
18	.21651E-01	-.10051E+00	-.11520E-01	.14811E-03	-.64009E-03	-.18686E-03
19	-.23928E-01	.43507E-01	.12104E-01	.10783E-02	.53862E-03	-.29585E-03
20	-.55031E-02	-.26436E-01	-.62635E-02	-.97923E-04	-.50682E-03	.14361E-03
21	-.57461E-01	.26942E-01	.20260E-01	-.33177E-03	-.20969E-03	-.47548E-03
22	-.61359E-01	-.21275E-01	.19938E-01	-.20603E-03	.21248E-03	-.61205E-03
23	-.68110E-02	-.23942E-02	.27088E-02	-.10941E-03	.14252E-02	-.20982E-03
24	.33013E-02	.18002E-01	-.67969E-02	.48243E-03	.13433E-03	-.23565E-03
25	-.76729E-02	.24916E-02	.57708E-01	.13853E-03	-.10058E-03	-.30783E-03
26	-.49801E-01	-.23071E-01	.37106E-02	.22141E-03	-.85721E-03	.81709E-04
27	-.42674E-01	.23703E-01	.38532E-01	-.24533E-03	-.90785E-03	-.13105E-03
28	.71025E-01	.15171E-01	-.51666E-01	-.10091E-03	.59335E-03	-.61449E-03
29	-.29490E-01	.75993E-01	-.31548E-01	-.15363E-03	-.55165E-03	.51746E-03
30	.43062E-02	.14637E+00	.10309E-01	-.11491E-02	.23280E-03	.99528E-03
31	-.10976E+00	.10194E-01	.57296E-01	.97313E-04	.30197E-04	.38286E-04

30 30

1	.57652E-02	-.52181E-02	.19565F-02	-.35527E-03	-.16617E-04	.17363E-03
2	-.17509E+00	-.69448E-04	-.12298E-01	-.22531E-04	.32197E-03	-.76793E-04
3	-.38672E-02	-.78932E-03	.49734F-02	-.13755E-04	-.24153E-04	-.15393E-03
4	-.50029E-02	.45966E-03	.12456E-02	-.90433E-05	.34332E-05	.57943E-05
5	.34866E-01	.18402E-03	-.35215F-01	-.87506E-05	.12947E-03	-.48967E-06
6	.37984E-01	-.14316E-02	-.35082E-01	.62358E-04	.12245E-03	.17999E-04
7	-.54636E-01	-.15928E-02	.63231E-01	-.60699E-04	-.53742E-04	.90181E-04
8	-.10038E-02	.17512E-01	.10757E-01	.76421E-03	-.33212E-04	.37493E-03
9	-.64152E-01	-.14150E-02	.53053E-01	.70715E-04	-.16095E-03	.67549E-04
10	-.75790E-01	.18924E-02	-.63407E-01	.92717E-04	-.68436E-03	.34123E-03
11	-.51427E-03	-.11833E-01	-.49285E-02	.14711E-03	-.46079E-04	-.21878E-03
12	-.42925E-01	.67438E-02	.52017E-02	-.26713E-04	.42008E-03	-.74652E-04
13	-.30185E-01	.50636E-02	.52622E-03	.15363E-03	.35835E-03	.39349E-04
14	.36052E-02	.11792E-01	.14932E-01	.38241E-03	.12714E-02	.43323E-03
15	.35298E-01	.32834E-01	-.23474E-01	.69674E-03	-.83391E-03	-.26321E-03
16	-.70407E-02	-.67465F-02	-.96695E-02	-.17423E-03	.19262E-03	-.31517E-06
17	-.47382E-01	.74175E-01	.12491E-01	.11108E-02	-.25408E-03	-.49257E-03
18	-.22812E-01	-.10802E+00	-.18673E-02	.59319E-03	-.69490E-03	-.29219E-03
19	.15788E-01	.49947E-01	.35552E-02	.17870E-02	.64415E-03	-.61116E-03
20	-.32389E-01	-.12704E-01	-.47720E-04	-.15299E-03	-.31989E-03	.23723E-03
21	-.49580E-01	-.72202E-02	.18474E-01	-.36793E-03	.37992E-03	-.39161E-03
22	-.24219E-01	-.13786E-01	.12074E-01	-.19549E-03	.78673E-03	-.57756E-03
23	.79603E-01	.18882E-02	-.15275E-01	-.10316E-03	.11100E-02	-.15412E-03
24	.10679E-01	-.48314E-01	-.73448E-02	.50977E-03	.91762E-04	-.29920E-03
25	-.22065E-01	-.13326E-01	.49497E-01	.22013E-03	-.33377E-03	-.31609E-03
26	-.65106E-01	-.26006E-01	.11621E-01	.49137E-04	.22358E-03	.59065E-04
27	-.80315E-01	.26383E-01	.38550E-01	-.72639E-04	-.30713E-03	-.19095E-03
28	.62753E-01	.29933E-02	-.45553E-01	.85325E-04	-.51193E-03	-.73158E-03
29	-.42324E-01	.52803E-01	-.23689E-01	.51725E-03	.10797E-03	.35433E-03
30	.18472E-01	.14922E+00	.78510E-02	.28379E-03	.14656E-03	.63975E-03
31	-.24138E-01	-.21673E-02	.37247E-01	.19827E-03	.17041E-02	-.74452E-04

29 29

1	.47155E-02	.94053E-02	.20660E-02	-.13944E-03	-.19448E-04	.16021E-03
2	-.14914E+00	.24980E-03	-.15595E-01	-.93706E-05	.54387E-03	-.69128E-04
3	-.50863E-02	-.18401E-02	.51539E-02	-.20132E-05	-.17344E-04	-.17949E-03
4	-.46206E-02	.11843E-02	.12156E-02	-.83046E-05	.60878E-05	.82136E-05
5	.40272E-01	.68796E-03	-.36020E-01	-.55841E-05	.53721E-04	.59208E-05
6	.42872E-01	-.50948E-02	-.35753E-01	.45723E-04	.43714E-04	.20954E-04
7	-.54665E-01	.16138E-02	.02632E-01	-.27724E-04	.20934E-03	.97938E-04
8	-.20540E-02	-.10281E-01	.10911E-01	.34094E-03	-.20202E-05	.33649E-03
9	-.68059E-01	-.50050E-02	.53381E-01	.47115E-04	.14685E-04	.54174E-04
10	-.11042E+00	.93177E-03	-.00023E-01	.40382E-04	-.38554E-03	.32867E-03
11	-.32831E-02	-.25836E-01	-.45802E-02	.13217E-03	-.40952E-04	-.26483E-03
12	-.12342E-01	.90223E-02	.76139E-03	-.41298E-04	.57212E-03	-.12099E-03
13	-.48796E-02	-.14566E-01	-.30851E-02	.10576E-03	.45948E-03	.80387E-05
14	.74912E-01	-.11461E-02	.50006E-02	.19411E-03	.92875E-03	.42976E-03
15	-.22156E-01	.11193E-02	-.15925E-01	.36886E-03	-.92817E-03	-.28580E-03
16	.56633E-02	.99185E-03	.78802E-02	-.95227E-04	.14358E-03	-.38688E-05
17	-.49477E-01	.25496F-01	.13089E-01	.60201E-03	.24645E-03	-.44380E-03
18	-.58195E-01	-.17453E+00	.26670E-02	.69781E-03	-.30107E-03	-.43144E-03
19	.50129E-01	-.17396F+00	-.78661E-03	.14167E-02	.32855E-03	-.78160E-03
20	-.42074E-01	-.41870F-02	.15118E-02	-.10047E-03	.95355E-04	.30214E-03
21	-.13639E-01	.95710F-02	.13654E-01	-.22756E-03	.71305E-03	-.35277E-03



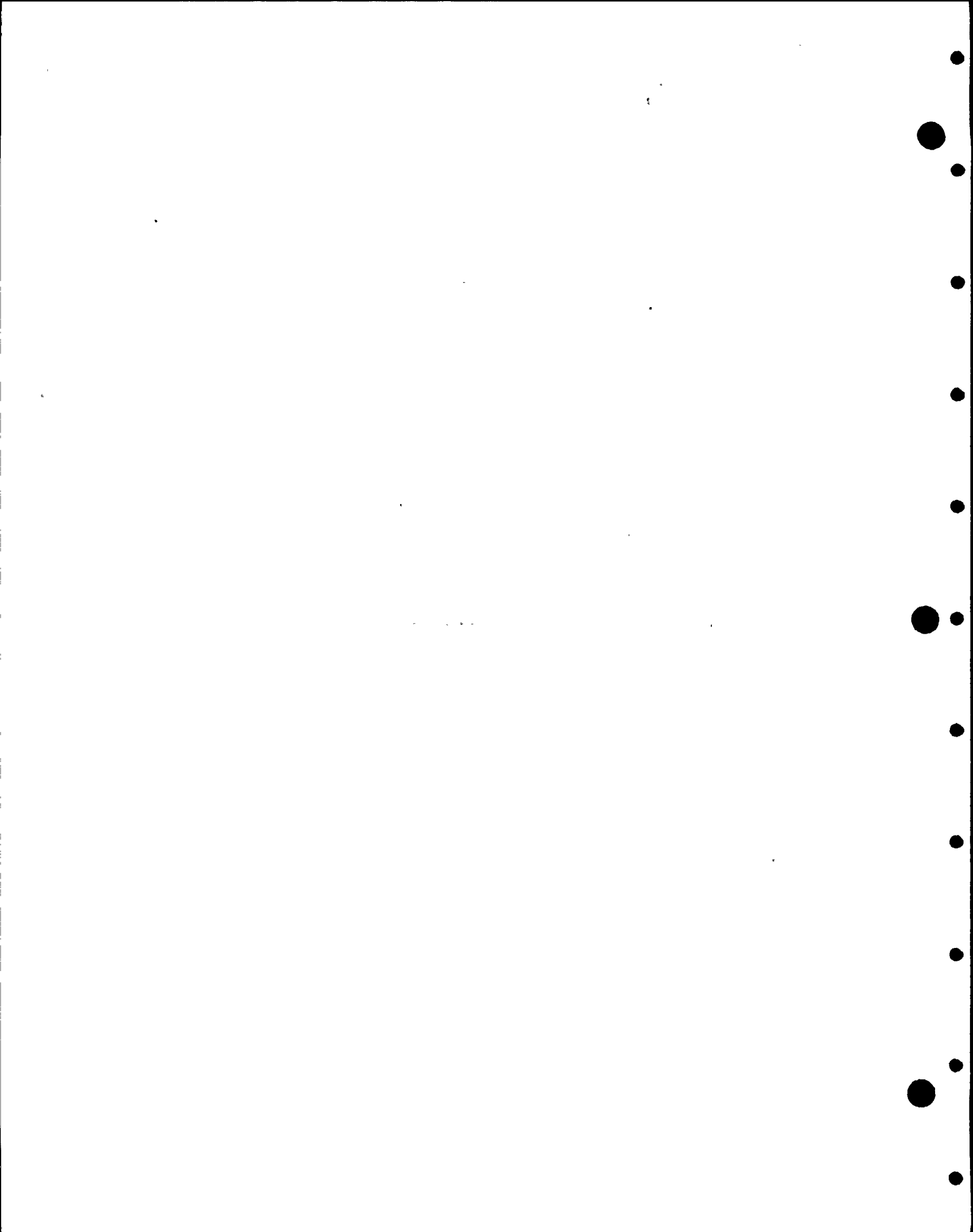
11	-.331E-02	-.256E-01	-.458E-02	-.1321E-03	-.40952E-04	-.26483E-04
12	-.12342E-01	-.98223E-02	-.76139E-03	-.41293E-04	-.57212E-03	-.12099E-03
13	-.48796E-02	-.14566E-01	-.30851E-02	-.1057E-03	-.45948E-03	-.80387E-05
14	-.74912E-01	-.11461E-02	-.50088E-02	-.194E-03	-.92875E-03	-.42776E-03
15	-.22156E-01	-.11193E-02	-.15925E-01	-.36880E-03	-.92817E-03	-.28580E-03
16	-.56633E-02	-.99185E-03	-.78802E-02	-.95227E-04	-.14358E-03	-.38688E-05
17	-.49477E-01	-.25496E-01	-.13089E-01	-.60201E-03	-.20645E-03	-.44380E-03
18	-.58195E-01	-.17453E+00	-.26670E-02	-.69781E-03	-.30107E-03	-.43104E-03
19	-.50124E-01	-.17396E+00	-.78661E-03	-.14167E-02	-.32855E-03	-.78160E-03
20	-.42074E-01	-.41870E-02	-.15118E-02	-.10047E-03	-.95355E-04	-.30214E-03
21	-.13639E-01	-.95710E-02	-.13654E-01	-.22756E-03	-.71305E-03	-.35277E-03
22	-.29217E-01	-.10564E-01	-.52980E-02	-.13255E-03	-.74761E-03	-.56414E-03
23	-.12051E+00	-.62220E-02	-.19872E-01	-.37256E-04	-.20337E-03	-.10813E-03
24	-.14174E-01	-.82382E-01	-.67405E-02	-.26040E-04	-.24681E-04	-.29553E-03
25	-.49994E-01	-.29143E-01	-.41984E-01	-.81987E-05	-.33555E-03	-.28109E-03
26	-.22234E-01	-.27991E-01	-.10395E-01	-.16962E-03	-.10617E-02	-.28833E-04
27	-.80443E-01	-.28202E-01	-.30432E-01	-.16276E-03	-.56784E-03	-.20604E-03
28	-.13617E-01	-.92306E-02	-.34749E-01	-.32982E-04	-.89539E-03	-.80639E-03
29	-.15047E-01	-.23940E-01	-.22349E-01	-.65633E-03	-.73550E-03	-.31608E-03
30	-.21197E-01	-.12688E+00	-.81330E-02	-.15511E-02	-.17680E-03	-.39589E-03
31	-.80636E-01	-.13822E-01	-.21426E-01	-.18642E-04	-.81592E-03	-.13884E-03

28 28

1	-.34906E-02	-.12732E-01	-.20904E-02	-.32611E-05	-.21359E-04	-.14843E-03
2	-.11162E+00	-.30346E-03	-.17105E-01	-.10187E-06	-.67772E-03	-.61422E-04
3	-.58874E-02	-.23288E-02	-.52022E-02	-.53118E-05	-.11866E-04	-.20386E-04
4	-.42948E-02	-.15007E-02	-.12187E-02	-.34580E-05	-.83477E-07	-.94794E-05
5	-.41119E-01	-.88036E-03	-.36089E-01	-.17313E-05	-.56578E-05	-.11826E-04
6	-.43044E-01	-.65295E-02	-.35711E-01	-.14283E-04	-.98258E-05	-.28906E-04
7	-.34169E+01	-.26272E-02	-.61503E-01	-.20478E-05	-.46853E-03	-.10551E-03
8	-.12314E-02	-.18774E-01	-.10860E-01	-.39362E-04	-.28754E-04	-.29727E-03
9	-.62483E-01	-.63056E-02	-.52677E-01	-.15217E-04	-.14423E-03	-.45562E-04
10	-.12091E+00	-.55416E-03	-.60237E-01	-.10762E-04	-.66680E-05	-.31508E-03
11	-.52839E-02	-.29722E-01	-.44746E-02	-.11423E-03	-.24482E-04	-.28454E-03
12	-.23691E-01	-.10352E-01	-.12401E-02	-.53430E-04	-.58185E-03	-.17922E-03
13	-.23319E-01	-.17181E-01	-.45827E-02	-.59297E-04	-.44647E-03	-.85122E-05
14	-.11155E+00	-.64626E-02	-.27033E-02	-.45481E-04	-.28222E-03	-.42740E-03
15	-.72731E-01	-.13097E-01	-.13453E-01	-.13314E-03	-.65826E-03	-.30937E-03
16	-.15456E-01	-.43285E-02	-.72162E-02	-.25363E-04	-.11115E-03	-.87809E-05
17	-.18522E-01	-.76063E-03	-.11892E-01	-.30043E-03	-.63956E-03	-.40927E-03
18	-.57723E-01	-.19306E+00	-.25913E-02	-.11583E-03	-.24621E-03	-.42984E-03
19	-.53924E-01	-.22236E+00	-.66723E-03	-.18547E-03	-.15400E-03	-.80403E-03
20	-.21115E-01	-.19954E-02	-.92855E-03	-.68543E-04	-.47912E-03	-.37131E-03
21	-.33374E-01	-.15601E-01	-.11150E-01	-.11460E-04	-.65766E-03	-.32734E-03
22	-.62694E-01	-.40804E-02	-.38285E-02	-.12962E-03	-.28960E-03	-.54200E-03
23	-.55701E-01	-.50169E-02	-.15920E-01	-.55772E-04	-.14003E-02	-.69863E-04
24	-.70722E-02	-.48025E-01	-.52148E-02	-.93963E-03	-.11563E-03	-.19112E-03
25	-.63426E-01	-.17128E-01	-.29871E-01	-.33721E-03	-.20275E-03	-.20810E-03
26	-.59162E-01	-.58210E-02	-.10711E-01	-.42567E-03	-.11499E-02	-.28905E-04
27	-.15576E-01	-.49416E-02	-.18297E-01	-.43983E-03	-.99330E-03	-.33428E-03
28	-.40406E-01	-.89059E-02	-.26094E-01	-.76402E-04	-.52941E-03	-.86612E-03
29	-.64196E-01	-.20356E-01	-.18723E-01	-.59253E-03	-.86704E-03	-.27231E-03
30	-.20783E-02	-.27086E-01	-.91508E-02	-.24223E-02	-.38792E-03	-.28358E-04
31	-.69724E-01	-.56038E-02	-.18356E-01	-.18962E-03	-.83714E-03	-.17955E-03

27 27

1	-.22152E-02	-.90973E-02	-.20061E-02	-.72495E-04	-.20580E-04	-.13389E-03
2	-.69835E-01	-.22522E-03	-.15173E-01	-.58633E-05	-.68701E-03	-.53914E-04
3	-.64791E-02	-.11604E-02	-.51896E-02	-.23025E-04	-.10460E-04	-.22795E-03
4	-.46379E-02	-.77026E-03	-.12193E-02	-.25812E-04	-.17087E-04	-.10300E-04
5	-.39636E-01	-.47122E-03	-.36186E-01	-.12902E-04	-.25239E-04	-.17489E-04
6	-.41758E-01	-.34124E-02	-.35710E-01	-.11481E-03	-.99574E-05	-.38955E-04
7	-.19310E-03	-.18448E-02	-.62761E-01	-.15205E-04	-.68710E-03	-.11253E-03
8	-.13126E-02	-.14904E-01	-.10955E-01	-.13337E-03	-.57082E-04	-.26423E-03
9	-.51630E-01	-.31650E-02	-.52691E-01	-.11197E-03	-.17662E-03	-.39026E-04
10	-.11125E+00	-.31624E-03	-.60497E-01	-.21891E-05	-.30947E-03	-.30198E-03
11	-.61472E-02	-.12304E-01	-.44936E-02	-.54597E-03	-.20945E-05	-.29539E-03
12	-.55717E-01	-.36235E-02	-.29527E-03	-.23801E-03	-.44437E-03	-.24109E-03
13	-.47346E-01	-.75355E-02	-.38189E-02	-.31106E-03	-.32269E-03	-.19612E-04
14	-.10793E+00	-.65002E-02	-.18358E-02	-.60897E-04	-.43133E-03	-.42837E-03
15	-.99074E-01	-.14492E-01	-.14292E-01	-.15153E-04	-.10666E-03	-.32791E-03
16	-.18646E-01	-.39821E-02	-.71099E-02	-.32142E-04	-.26910E-04	-.15356E-04
17	-.25201E-01	-.98358E-02	-.13894E-01	-.86473E-04	-.69787E-03	-.36800E-03
18	-.29452E-01	-.18097E+00	-.37471E-02	-.95697E-03	-.64951E-03	-.40663E-03
19	-.32151E-01	-.19570E+00	-.17181E-02	-.10079E-02	-.54640E-03	-.79478E-03
20	-.13901E-01	-.60598E-02	-.27395E-02	-.92958E-04	-.57079E-03	-.44038E-03
21	-.63677E-01	-.10874E-01	-.11920E-01	-.19713E-03	-.13200E-03	-.30746E-03
22	-.62993E-01	-.45672E-02	-.37980E-02	-.11182E-03	-.38476E-03	-.52012E-03
23	-.42685E-01	-.36484E-03	-.18894E-01	-.11760E-03	-.13750E-02	-.33619E-04





13	346E-01	755E-02	381E-02	311E-03	326E-03	19612E-03
14	1079E+00	6502E-02	1838E-02	60897E-04	43133E-03	42837E-03
15	99074E-01	14492E-01	14222E-01	1515E-04	10668E-03	32791E-03
16	18646E-01	39021E-02	71099E-02	321E-04	26910E-04	15356E-04
17	25201E-01	98354E-02	13699E-01	8647E-04	67987E-03	36800E-03
18	29452E-01	16097E+00	37471E-02	95697E-03	64951E-03	40663E-03
19	32151E-01	19570E+00	17181E-02	10679E-02	54640E-03	79479E-03
20	13901E-01	60598E-02	27395E-02	92959E-04	57079E-03	44038E-03
21	63077E-01	10874E-01	11920E-01	19713E-03	13200E-03	30746E-03
22	62994E-01	45672E-02	3790E-02	11182E-03	38476E-03	52012E-03
23	42685E-01	36484E-03	18895E-01	11764E-03	13750E-02	33619E-04
24	71064E-03	27161E-01	42517E-02	13876E-02	86919E-04	68921E-04
25	73678E-01	10071E-01	16740E-01	47419E-03	30181E-04	12841E-03
26	11161E+00	21661E-01	16671E-01	35617E-03	39105E-05	31413E-04
27	35130E-01	22923E-01	11024E-01	37849E-03	27687E-03	42495E-03
28	47901E-01	21906E-03	20009E-01	10145E-03	56268E-03	92409E-03
29	85811E-01	45004E-01	10851E-01	62526E-04	88982E-05	23793E-03
30	23922E-01	15442E+00	82743E-02	63610E-03	12874E-03	32723E-03
31	12480E-01	83042E-02	11212E-01	14440E-03	14003E-02	21812E-03

26 26

1	10964E-02	29746E-02	18300E-02	68006E-04	15522E-04	11204E-03
2	31556E-01	15851E-03	10038E-01	79051E-05	55169E-03	46854E-04
3	71137E-02	27392E-02	51094E-02	54782E-04	15848E-04	25255E-03
4	62954E-02	16205E-02	10120E-02	58497E-04	47616E-04	11283E-04
5	38208E-01	81523E-03	36314E-01	27743E-04	13180E-04	23108E-04
6	41944E-01	64595E-02	35522E-01	25412E-03	63960E-04	48853E-04
7	46690E-01	30042E-03	68385E-01	22745E-04	88480E-03	11828E-03
8	59313E-02	59682E-02	11449E-01	16650E-03	85935E-04	24685E-03
9	41944E-01	63681E-02	53334E-01	24023E-03	90780E-04	32850E-04
10	84338E-01	27749E-02	57421E-01	15107E-04	39211E-03	29077E-03
11	55725E-02	37052E-01	43750E-02	11417E-02	11647E-04	30584E-03
12	75659E-01	14855E-01	19125E-02	50559E-03	24562E-03	30191E-03
13	61058E-01	19404E-01	22372E-02	63620E-03	20111E-03	28548E-04
14	61663E-01	37927E-02	48538E-02	10783E-03	88172E-03	43756E-03
15	65452E-01	80645E-02	12126E-01	26531E-04	36073E-03	32948E-03
16	12420E-01	77641E-03	59753E-02	63469E-04	13946E-03	26175E-04
17	60701E-01	73054E-02	18437E-01	45185E-05	48830E-03	30880E-03
18	17837E-01	78004E-01	97316E-02	10043E-02	76416E-03	25515E-03
19	96233E-02	97622E-01	69933E-02	11513E-02	68746E-03	61797E-03
20	45314E-01	82455E-02	70938E-02	14880E-03	43947E-03	50357E-03
21	49049E-01	42067E-02	93820E-02	32630E-03	40537E-03	30315E-03
22	18125E-01	14253E-01	20730E-02	11144E-03	82347E-03	50192E-03
23	10470E+00	84105E-02	25093E-01	15215E-03	61626E-03	90954E-06
24	23911E-02	11418E+00	31978E-02	16522E-02	15263E-05	62325E-04
25	57752E-01	39288E-01	50305E-02	52242E-03	12840E-03	45523E-04
26	56548E-01	35421E-01	13061E-01	24249E-03	10992E-02	19242E-04
27	18564E-01	34720E-01	11420E-02	28857E-03	63237E-03	49819E-03
28	23490E-01	12423E-01	33077E-02	39139E-04	12974E-02	97459E-03
29	44407E-01	15686E-01	91031E-02	58371E-03	76715E-03	27237E-03
30	17095E-01	97850E-01	85816E-02	10604E-02	19074E-03	47102E-03
31	92265E-01	13517E-01	36401E-02	15833E-04	92759E-03	26133E-03

25 25

1	42786E-03	96752E-03	16715E-02	30188E-04	92049E-05	87365E-04
2	61529E-02	25416E-03	43771E-02	63702E-05	35574E-03	40008E-04
3	83140E-02	10315E-01	89217E-02	63054E-04	12261E-04	27021E-03
4	10122E-01	61886E-02	19991E-03	79262E-04	75668E-04	81789E-05
5	41197E-01	31992E-02	36092E-01	35008E-04	33623E-04	26431E-04
6	49123E-01	24801E-01	34254E-01	34264E-03	17583E-03	75741E-04
7	10206E+00	31835E-02	81021E-01	15226E-04	89521E-03	12111E-03
8	11191E-01	73445E-03	12794E-01	13041E-03	94711E-04	23692E-03
9	41229E-01	23785E-01	53475E-01	31119E-03	37061E-04	44465E-04
10	65787E-01	79341E-02	54111E-01	12289E-04	36236E-03	27450E-03
11	48137E-02	12519E+00	41958E-02	13780E-02	24024E-04	21263E-03
12	69565E-01	48252E-01	45090E-02	64771E-03	38543E-04	40167E-03
13	70641E-01	66188E-01	50184E-03	75468E-03	86337E-05	20023E-04
14	67836E-02	30083E-02	17735E-01	12965E-03	92749E-03	44900E-03
15	57822E-01	47741E-02	56227E-02	38823E-04	64600E-03	32466E-03
16	27264E-02	27567E-02	35617E-02	65383E-04	18579E-03	41930E-04
17	81477E-01	42656E-02	22946E-01	13644E-06	50274E-05	24097E-03
18	56503E-01	40512E-01	18492E-01	49768E-03	38949E-03	75012E-04
19	46966E-01	51088E-01	15027E-01	56086E-03	38581E-03	39642E-03
20	60429E-01	12816E-01	11492E-01	17913E-03	13656E-04	57865E-03
21	16881E-01	20427E-01	16090E-02	24737E-03	64807E-03	33948E-03
22	31556E-01	27492E-01	13001E-01	32641E-04	63125E-03	44905E-03
23	11448E+00	17855E-01	25244E-01	49100E-04	70506E-03	16426E-05
24	34795E-03	21511E+00	11367E-02	6628E-03	94939E-04	52705E-03
25	54166E-01	70722E-01	80472E-02	68311E-04	57435E-04	15135E-03



15	-.0822E-01	-.4711E-02	-.5621E-02	-.3882E-04	-.64600E-03	-.32466E-04
16	-.27264E-02	-.27567E-02	-.35617E-02	-.65381E-04	-.18579E-03	-.41930E-04
17	-.81477E-01	-.42650E-02	-.22940E-01	-.13640E-06	-.50274E-05	-.24097E-03
18	-.58503E-01	-.40512E-01	-.18492E-01	-.49710E-03	-.38949E-03	-.75012E-04
19	-.06566E+01	-.51088E-01	-.15027E-01	-.56087E-03	-.38581E-03	-.39642E-03
20	-.60429E-01	-.12816E-01	-.11492E-01	-.17413E-03	-.13656E-04	-.57865E-03
21	-.16881E-01	-.20427E-01	-.16090E-02	-.20737E-03	-.60807E-03	-.33948E-03
22	-.31556E-01	-.27492E-01	-.13001E-01	-.32641E-04	-.63125E-03	-.44905E-03
23	-.11448E+00	-.17855E-01	-.25244E-01	-.49103E-04	-.70546E-03	-.16426E-05
24	-.30795E-03	-.21511E+00	-.11367E-02	-.46628E-03	-.94939E-04	-.52705E-03
25	-.50166E-01	-.70728E-01	-.80072E-02	-.68311E-04	-.57435E-04	-.15135E-03
26	-.15429E-01	-.49146E-01	-.32122E-03	-.11434E-03	-.10152E-02	-.72047E-04
27	-.33633E-01	-.45819E-01	-.22783E-01	-.80673E-05	-.83055E-03	-.62744E-03
28	-.98255E-01	-.24062E-01	-.20338E-01	-.28190E-03	-.50355E-03	-.97440E-03
29	-.43932E-02	-.16131E-01	-.12633E-01	-.46084E-03	-.50499E-03	-.41263E-03
30	-.19938E-02	-.23740E-01	-.11413E-01	-.12550E-02	-.22252E-03	-.40340E-03
31	-.11761E+00	-.15504E-01	-.13315E-01	-.20904E-03	-.82518E-03	-.28113E-03

2a 2a

1	-.55388E-04	-.30482E-02	-.15427E-02	-.67475E-07	-.52133E-05	-.65810E-04
2	-.08257E-02	-.41034E-03	-.38798E-03	-.94126E-05	-.19801E-03	-.33083E-04
3	-.85354E-02	-.18056E-01	-.49264E-02	-.14623E-04	-.14210E-04	-.27334E-05
4	-.14852E-01	-.10799E-01	-.12571E-02	-.68917E-04	-.88027E-04	-.31838E-03
5	-.42179E-01	-.55688E-02	-.36163E-01	-.25251E-04	-.32857E-04	-.25313E-04
6	-.56258E-01	-.42754E-01	-.32248E-01	-.30879E-03	-.98901E-04	-.13489E-03
7	-.14725E+00	-.56931E-02	-.95309E-01	-.89484E-05	-.62990E-03	-.12003E-03
8	-.16109E-01	-.16526E-02	-.14380E-01	-.19641E-03	-.70383E-04	-.22310E-03
9	-.45884E-01	-.40092E-01	-.51792E-01	-.26102E-03	-.12151E-03	-.87263E-04
10	-.43438E-01	-.12431E-01	-.47753E-01	-.30769E-04	-.41344E-03	-.24900E-03
11	-.28933E-02	-.19871E+00	-.35627E-02	-.97893E-03	-.42548E-04	-.33713E-04
12	-.80463E-01	-.75555E-01	-.10521E-02	-.55992E-03	-.35482E-03	-.55696E-03
13	-.62315E-01	-.10382E+00	-.33878E-02	-.54169E-03	-.28165E-03	-.14722E-03
14	-.42864E-01	-.27553E-02	-.33885E-01	-.17033E-03	-.72089E-03	-.45660E-03
15	-.12810E-01	-.25790E-02	-.86111E-02	-.86542E-04	-.80176E-03	-.32507E-03
16	-.84054E-02	-.53148E-02	-.20867E-03	-.58228E-04	-.18127E-03	-.59353E-04
17	-.60576E-01	-.11643E-03	-.16212E-01	-.86606E-05	-.59556E-03	-.17331E-03
18	-.62342E-01	-.19259E-01	-.19394E-01	-.30227E-03	-.20470E-03	-.23881E-04
19	-.53641E-01	-.22035E-01	-.16803E-01	-.31455E-03	-.12124E-03	-.26353E-03
20	-.07130E-01	-.10775E-01	-.63167E-02	-.14381E-03	-.47797E-03	-.66626E-03
21	-.23696E-01	-.21804E-01	-.11724E-01	-.37302E-04	-.60941E-03	-.39871E-03
22	-.53486E-01	-.24066E-01	-.19659E-01	-.32543E-03	-.11036E-03	-.37404E-03
23	-.27192E-01	-.14031E-01	-.41016E-02	-.14261E-03	-.17209E-02	-.57215E-05
24	-.75143E-02	-.15031E+00	-.26490E-02	-.15817E-02	-.13371E-03	-.10461E-02
25	-.44220E-01	-.42209E-01	-.19393E-01	-.61677E-03	-.33163E-05	-.34451E-03
26	-.54074E-01	-.20367E-01	-.94947E-02	-.58103E-03	-.30146E-03	-.10539E-03
27	-.70314E-01	-.16520E-01	-.43872E-01	-.33901E-03	-.43191E-03	-.72889E-03
28	-.77663E-01	-.10218E-01	-.21366E-01	-.67319E-03	-.67739E-03	-.98661E-03
29	-.21264E-01	-.23660E-01	-.97457E-02	-.16543E-03	-.69541E-04	-.57713E-03
30	-.85068E-02	-.55839E-01	-.13376E-01	-.89433E-03	-.67766E-04	-.16484E-03
31	-.14434E-02	-.14881E-02	-.18584E-01	-.41073E-03	-.19419E-02	-.33157E-03

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1	-.14216E-03	-.35983E-02	-.14488E-02	-.22591E-04	-.29576E-05	-.47850E-04
2	-.15757E-01	-.53136E-03	-.33096E-02	-.10971E-04	-.75083E-04	-.26069E-04
3	-.68198E-02	-.22882E-01	-.57166E-02	-.85973E-04	-.57563E-04	-.25949E-03
4	-.19821E-01	-.13014E-01	-.32785E-02	-.30603E-04	-.90590E-04	-.23942E-04
5	-.37883E-01	-.69877E-02	-.38346E-01	-.27293E-06	-.15269E-03	-.19139E-04
6	-.60182E-01	-.53226E-01	-.30877E-01	-.16981E-03	-.20031E-04	-.22930E-03
7	-.17157E+00	-.70135E-02	-.10550E+00	-.47241E-04	-.17609E-03	-.11466E-03
8	-.18932E+01	-.20881E-02	-.15582E-01	-.93633E-04	-.22337E-04	-.20486E-03
9	-.54382E-01	-.48908E-01	-.48053E-01	-.11362E-03	-.18020E-03	-.16231E-03
10	-.19873E-01	-.14490E-01	-.38704E-01	-.10043E-03	-.44638E-03	-.21557E-03
11	-.16008E-03	-.23114E+00	-.24050E-02	-.17802E-03	-.55510E-04	-.40769E-03
12	-.51572E-01	-.87249E-01	-.11383E-01	-.34157E-03	-.67961E-03	-.75409E-03
13	-.40077E-01	-.11770E+00	-.12861E-01	-.13801E-03	-.50995E-03	-.33427E-03
14	-.72371E-01	-.25869E-02	-.46576E-01	-.22183E-03	-.23148E-03	-.46145E-03
15	-.30076E-01	-.12388E-02	-.26772E-01	-.13317E-03	-.61482E-03	-.32710E-03
16	-.17019E-01	-.67004E-02	-.41146E-02	-.51527E-04	-.99854E-04	-.76263E-04
17	-.16582E-01	-.34904E-02	-.21078E-02	-.17363E-05	-.87970E-03	-.10067E-03
18	-.36741E-01	-.81747E-02	-.82069E-02	-.21053E-03	-.68658E-03	-.80524E-04
19	-.30294E-01	-.59257E-02	-.64587E-02	-.14794E-03	-.56117E-03	-.16615E-03
20	-.12113E-01	-.18145E-02	-.78523E-02	-.11553E-03	-.66593E-03	-.74967E-03
21	-.49829E-01	-.85980E-02	-.23041E-01	-.17013E-03	-.15149E-03	-.45099E-03
22	-.40317E-01	-.67571E-02	-.15581E-01	-.57729E-03	-.48715E-03	-.32167E-03
23	-.72605E-01	-.21023E-02	-.47078E-01	-.25904E-03	-.12329E-02	-.18062E-04
24	-.14002E-01	-.43652E-03	-.68916E-02	-.23511E-02	-.48779E-04	-.10601E-02
25	-.44101E-01	-.10446E-01	-.34311E-01	-.72784E-03	-.17540E-04	-.31751E-03
26	-.51641E-01	-.18418E-01	-.30360E-02	-.54140E-03	-.67815E-03	-.50606E-04
27	-.75140E-01	-.20284E-01	-.55613E-01	-.15607E-03	-.48677E-03	-.63520E-03



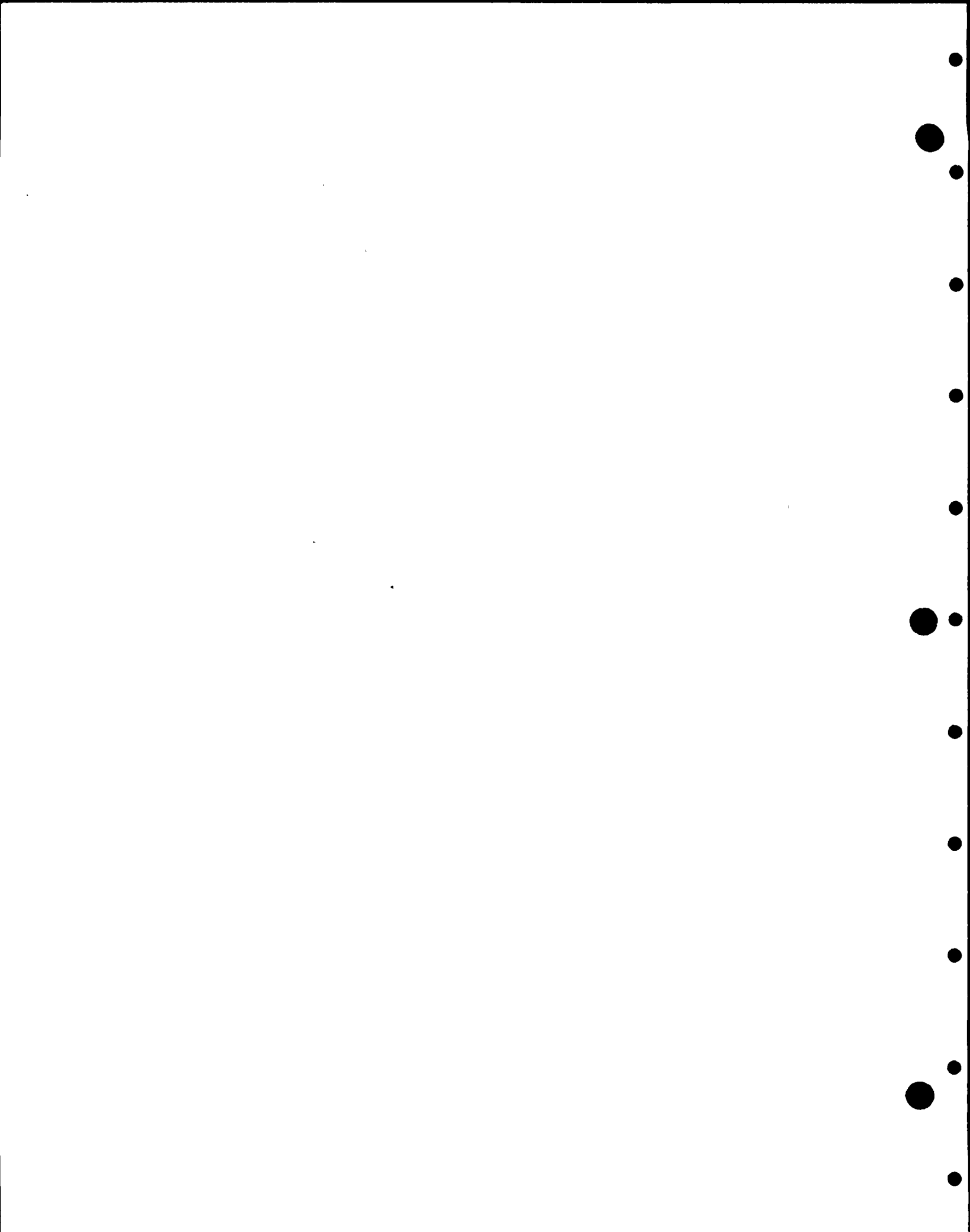
16	.17014E-01	.87004E-02	.4118E-02	.5127E-03	.1770E-03	.10002E-04
17	.362E-01	.3404E-02	.2100E-02	.1736E-05	.87970E-03	.10067E-04
18	.36741E-01	.81747E-02	.84069E-02	.2105E-03	.68658E-03	.80524E-04
19	.34294E-01	.59257E-02	.84507E-02	.1479E-03	.56117E-03	.16615E-03
20	.12113E-01	.18145E-02	.78523E-02	.115E-03	.78593E-03	.74967E-03
21	.49829E-01	.85980E-02	.23941E-01	.1701E-03	.15149E-03	.45099E-03
22	.44317E-01	.67571E-02	.15581E-01	.3772E-03	.48715E-03	.32167E-03
23	.72605E-01	.21023E-02	.47076E-01	.2590E-03	.12329E-02	.18062E-04
24	.14002E-01	.43652E-03	.68916E-02	.2351E-02	.48779E-04	.10601E-02
25	.44161E-01	.10446E-01	.3431E-01	.7278E-03	.17540E-04	.31751E-03
26	.51641E-01	.18118E-01	.30360E-02	.5414E-03	.67815E-03	.50606E-04
27	.75140E-01	.20284E-01	.55613E-01	.15607E-03	.48677E-03	.63520E-03
28	.19079E-01	.10006E-01	.53281E-02	.77837E-03	.10382E-02	.11088E-02
29	.27224E-02	.11180E-01	.63425E-02	.4910E-04	.58547E-03	.70416E-03
30	.64740E-02	.80468E-01	.11126E-01	.4232E-03	.20235E-03	.39600E-03
31	.98464E-01	.15966E-01	.52483E-01	.2827E-03	.25670E-03	.50171E-03

22 22

1	.25126E-03	.30117E-02	.13788E-02	.3784E-04	.18565E-05	.34055E-04
2	.16890E-01	.52505E-03	.39609E-02	.1296E-04	.12026E-04	.18991E-04
3	.25299E-02	.21810E-01	.30231E-02	.23037E-03	.11301E-03	.22919E-03
4	.24496E-01	.12843E-01	.56834E-02	.2990E-04	.93377E-04	.53081E-04
5	.26360E-01	.65480E-02	.44667E-01	.3662E-04	.30082E-03	.85298E-05
6	.58628E-01	.49333E-01	.31815E-01	.4216E-04	.74451E-04	.34977E-03
7	.16653E+00	.63728E-02	.10271E+00	.94725E-04	.31397E-03	.10653E-03
8	.18525E-01	.15005E-02	.15383E-01	.9328E-04	.31592E-04	.18081E-03
9	.64683E-01	.44076E-01	.42204E-01	.87721E-04	.22844E-03	.25401E-03
10	.43664E-02	.12441E-01	.26648E-01	.17431E-03	.43185E-03	.18400E-03
11	.29554E-02	.19747E+00	.73662E-03	.6369E-03	.59344E-04	.73597E-03
12	.89741E-02	.74350E-01	.33742E-01	.15473E-03	.83147E-03	.91776E-03
13	.85670E-02	.10199E+00	.29261E-01	.22855E-03	.60166E-03	.47505E-03
14	.67775E-01	.21032E-02	.34523E-01	.27765E-03	.32481E-03	.46606E-03
15	.52643E-01	.38053E-03	.38516E-01	.18282E-03	.21356E-03	.32870E-03
16	.18669E-01	.70012E-02	.54327E-02	.66623E-04	.10950E-04	.81473E-04
17	.32459E-01	.4924E-02	.27497E-01	.59474E-05	.78948E-03	.29762E-04
18	.97157E-02	.91020E-03	.15911E-01	.18200E-03	.85259E-03	.10827E-03
19	.51555E-02	.18994E-02	.12229E-01	.30620E-04	.73950E-03	.94558E-04
20	.23721E-01	.14194E-01	.25603E-01	.10316E-03	.52372E-03	.82348E-03
21	.40073E-01	.18400E-01	.18461E-01	.32443E-03	.37730E-03	.46968E-03
22	.27657E-02	.21102E-01	.61605E-02	.74749E-03	.81661E-03	.31627E-03
23	.10353E+00	.12429E-01	.04271E-01	.28653E-03	.12507E-04	.86458E-04
24	.11644E-01	.15023E+00	.72631E-02	.18721E-02	.67255E-04	.49126E-03
25	.34816E-01	.50325E-01	.44398E-01	.38956E-03	.57559E-05	.93159E-04
26	.99367E-02	.34177E-01	.31861E-01	.22134E-03	.11386E-02	.31508E-03
27	.13011E-01	.31318E-01	.32429E-01	.29979E-03	.11022E-02	.44155E-03
28	.38329E-01	.17113E-01	.16379E-01	.74206E-03	.61896E-03	.12864E-02
29	.33819E-01	.16277E-01	.33679E-01	.2466E-04	.63598E-03	.70507E-03
30	.11239E-01	.82066E-02	.79076E-04	.1398E-02	.32995E-03	.67186E-03
31	.36920E-01	.64727E-02	.1336E-01	.12469E-03	.16521E-02	.65959E-03

21 21

1	.31990E-03	.17519E-02	.13210E-02	.45725E-04	.13098E-05	.24987E-04
2	.14589E-01	.31850E-03	.25657E-02	.15304E-04	.62623E-04	.11875E-04
3	.45060E-02	.13006E-01	.12584E-01	.41030E-03	.17593E-03	.18322E-03
4	.29314E-01	.74717E-02	.87244E-02	.10686E-03	.10620E-03	.89429E-04
5	.78485E-02	.37852E-02	.56801E-01	.82168E-04	.45296E-03	.58017E-05
6	.52864E-01	.28444E-01	.35619E-01	.29556E-03	.15109E-03	.48614E-03
7	.14039E+00	.36766E-02	.86606E-01	.14652E-03	.68619E-03	.97348E-04
8	.15784E-01	.10118E-02	.13652E-01	.10656E-03	.73092E-04	.14948E-03
9	.77056E-01	.25173E-01	.33810E-01	.30030E-03	.27605E-03	.34542E-03
10	.24469E-01	.76180E-02	.14450E-01	.23633E-03	.33688E-03	.16484E-03
11	.58114E-02	.12396E+00	.11290E-02	.10843E-02	.50208E-04	.83223E-03
12	.32407E-01	.49241E-01	.60272E-01	.15882E-03	.71310E-03	.96719E-03
13	.20896E-01	.69218E-01	.47970E-01	.32581E-03	.48830E-03	.45566E-03
14	.39809E-01	.17876E-02	.27692E-01	.33142E-03	.72868E-03	.47319E-03
15	.52267E-01	.48227E-03	.38295E-01	.23933E-03	.26846E-03	.32769E-03
16	.15728E-01	.87533E-02	.38904E-02	.12443E-03	.10448E-03	.63045E-04
17	.63800E-01	.45278E-02	.47232E-01	.38737E-07	.26302E-03	.32226E-04
18	.49474E-01	.39445E-02	.41285E-01	.17663E-03	.50512E-03	.12187E-03
19	.40415E-01	.27310E-02	.34784E-01	.6737E-04	.46684E-03	.37907E-04
20	.41872E-01	.36049E-01	.36500E-01	.11552E-03	.33578E-04	.88204E-03
21	.11747E-01	.51620E-01	.99146E-03	.37576E-03	.62730E-03	.42642E-03
22	.38076E-01	.50287E-01	.32181E-01	.70596E-03	.53827E-03	.38355E-03
23	.71946E-01	.21678E-01	.45295E-01	.20811E-03	.12534E-02	.21351E-03
24	.58816E-02	.21687E+00	.52857E-02	.17663E-03	.12121E-03	.73802E-03
25	.30162E-01	.55140E-01	.57150E-01	.27487E-03	.70359E-04	.30176E-03
26	.60675E-01	.22250E-01	.67058E-01	.15656E-03	.31909E-03	.59969E-03
27	.44260E-01	.15854E-01	.57918E-02	.77520E-03	.57072E-03	.25168E-03
28	.51270E-01	.90699E-02	.15494E-01	.70653E-03	.52950E-03	.14599E-02
29	.54397E-01	.32358E-01	.55324E-01	.39427E-03	.13205E-03	.48563E-03



19	-.715E-01	-.270E-02	-.347E-01	-.673E-04	-.4668E-03	-.37907E-03
20	-.4187E-01	-.3604E-01	-.3658E-01	-.1155E-03	-.33578E-04	-.8204E-03
21	-.1174E-01	-.5162E-01	-.9914E-03	-.3757E-03	-.62730E-03	-.4264E-03
22	-.3807E-01	-.5028E-01	-.3218E-01	-.795E-03	-.53827E-03	-.38355E-03
23	-.7194E-01	-.2167E-01	-.4529E-01	-.2081E-03	-.12534E-02	-.21351E-03
24	-.5881E-02	-.2168E-01	-.5285E-02	-.1766E-03	-.12121E-03	-.73802E-03
25	-.3016E-01	-.5514E-01	-.5715E-01	-.2748E-03	-.70359E-04	-.30176E-03
26	-.6087E-01	-.2225E-01	-.6705E-01	-.1565E-03	-.31909E-03	-.59969E-03
27	-.4426E-01	-.1585E-01	-.5741E-02	-.7752E-03	-.57072E-03	-.25168E-03
28	-.5127E-01	-.9669E-02	-.1543E-01	-.7065E-03	-.52950E-03	-.14599E-02
29	-.5439E-01	-.3235E-01	-.5532E-01	-.3902E-03	-.13205E-03	-.48563E-03
30	-.2510E-01	-.9902E-01	-.1091E-01	-.7536E-03	-.46797E-04	-.10935E-04
31	-.6058E-01	-.9935E-02	-.5581E-01	-.2308E-03	-.11937E-02	-.66297E-03

20 20

1	-.3637E-03	-.3034E-03	-.1272E-02	-.4645E-04	-.70250E-06	-.21166E-04
2	-.1087E-01	-.1541E-03	-.1940E-03	-.1795E-04	-.76856E-04	-.47396E-05
3	-.1418E-01	-.5137E-02	-.2008E-01	-.6212E-03	-.24730E-03	-.12192E-03
4	-.3468E-01	-.3397E-02	-.1204E-01	-.1973E-03	-.14273E-03	-.13215E-03
5	-.1661E-01	-.1701E-02	-.7531E-01	-.1347E-03	-.60947E-03	-.23348E-04
6	-.4428E-01	-.1103E-01	-.4215E-01	-.5755E-03	-.19158E-03	-.63035E-03
7	-.1012E+00	-.1101E-02	-.5603E-01	-.2004E-03	-.81411E-03	-.88419E-04
8	-.1156E-01	-.1727E-02	-.1022E-01	-.1337E-03	-.86054E-04	-.10955E-03
9	-.9047E-01	-.7837E-02	-.2265E-01	-.5054E-03	-.34122E-03	-.42297E-03
10	-.3735E-01	-.1472E-02	-.5016E-02	-.2569E-03	-.20441E-03	-.16702E-03
11	-.7742E-02	-.3831E-01	-.2673E-02	-.9964E-03	-.36221E-04	-.53497E-03
12	-.5976E-01	-.2473E-01	-.8105E-01	-.4272E-03	-.44818E-03	-.82886E-03
13	-.3872E-01	-.4055E-01	-.6134E-01	-.5267E-04	-.26967E-03	-.17033E-03
14	-.1911E-02	-.2173E-02	-.4447E-02	-.3794E-03	-.86308E-03	-.48582E-03
15	-.2774E-01	-.1375E-02	-.1942E-01	-.3041E-03	-.60339E-03	-.32246E-03
16	-.8582E-02	-.1472E-01	-.1162E-02	-.2465E-03	-.14313E-03	-.75397E-06
17	-.5898E-01	-.2686E-02	-.4324E-01	-.3582E-04	-.31624E-03	-.71504E-04
18	-.5900E-01	-.7865E-02	-.4846E-01	-.2096E-03	-.24692E-04	-.10754E-03
19	-.5058E-01	-.1970E-02	-.4248E-01	-.1358E-03	-.19346E-04	-.58688E-05
20	-.2875E-01	-.6260E-01	-.2518E-01	-.1577E-04	-.44741E-03	-.10521E-02
21	-.2044E-01	-.8320E-01	-.2284E-01	-.6048E-03	-.55479E-03	-.52760E-03
22	-.4968E-01	-.7170E-01	-.4088E-01	-.1012E-02	-.79927E-05	-.31187E-03
23	-.1575E-01	-.1800E-01	-.2047E-01	-.1911E-03	-.17323E-02	-.28030E-03
24	-.1508E-02	-.1182E+00	-.1385E-02	-.9152E-03	-.10092E-03	-.13363E-02
25	-.1400E-01	-.4023E-02	-.5986E-01	-.7371E-03	-.11622E-03	-.48984E-03
26	-.4053E-01	-.2099E-01	-.5312E-01	-.3611E-03	-.72532E-03	-.73141E-03
27	-.5167E-01	-.2577E-01	-.8761E-02	-.1100E-02	-.27872E-03	-.19469E-03
28	-.1914E-02	-.1330E-01	-.3385E-01	-.7899E-03	-.12604E-02	-.15381E-02
29	-.1528E-01	-.1120E-01	-.3334E-01	-.7767E-03	-.81364E-03	-.34193E-03
30	-.1430E-01	-.8077E-01	-.5212E-02	-.4327E-04	-.25180E-03	-.60327E-03
31	-.7335E-01	-.1599E-01	-.7185E-01	-.4291E-03	-.22639E-03	-.62035E-03

19 19

1	-.3738E-03	-.8252E-03	-.1256E-02	-.4337E-04	-.43699E-06	-.20257E-04
2	-.7633E-02	-.9420E-03	-.3125E-02	-.1931E-04	-.68950E-04	-.95104E-06
3	-.2645E-01	-.3335E-01	-.3165E-01	-.8061E-03	-.28652E-03	-.93949E-04
4	-.4202E-01	-.2011E-01	-.1949E-01	-.2638E-03	-.15662E-03	-.14846E-03
5	-.4608E-01	-.1009E-01	-.1034E+00	-.1752E-03	-.66239E-03	-.27602E-04
6	-.3593E-01	-.7042E-01	-.5028E-01	-.7485E-03	-.18845E-03	-.66484E-03
7	-.6738E-01	-.7584E-02	-.2484E-01	-.2430E-03	-.76914E-03	-.91467E-04
8	-.8037E-02	-.4780E-02	-.7219E-02	-.1572E-03	-.81470E-04	-.75863E-04
9	-.1069E+00	-.5178E-01	-.7282E-02	-.6047E-03	-.32671E-03	-.39899E-03
10	-.4359E-01	-.2986E-02	-.2552E-04	-.2660E-03	-.31852E-04	-.18597E-03
11	-.9023E-02	-.5196E-02	-.3887E-02	-.6032E-03	-.12095E-04	-.35952E-04
12	-.7311E-01	-.2506E-01	-.9327E-01	-.7777E-03	-.49051E-05	-.65856E-03
13	-.4562E-01	-.5173E-01	-.6746E-01	-.2013E-03	-.70449E-04	-.11022E-03
14	-.3804E-01	-.4385E-02	-.3699E-01	-.4404E-03	-.60541E-03	-.48668E-03
15	-.1473E-02	-.3410E-02	-.7325E-02	-.3641E-03	-.62234E-03	-.32429E-03
16	-.2410E-02	-.3097E-01	-.6315E-02	-.3105E-03	-.10118E-03	-.56503E-05
17	-.3635E-01	-.2264E-02	-.2216E-01	-.8956E-04	-.69779E-03	-.98926E-04
18	-.4814E-01	-.1460E-01	-.3839E-01	-.2153E-03	-.53425E-03	-.12472E-03
19	-.4288E-01	-.8927E-02	-.3533E-01	-.1448E-03	-.43764E-03	-.26958E-04
20	-.3386E-02	-.1164E+00	-.1210E-02	-.1865E-03	-.62580E-03	-.87885E-03
21	-.3014E-01	-.1450E+00	-.3901E-01	-.4332E-03	-.69003E-04	-.20853E-03
22	-.3978E-01	-.1171E+00	-.3159E-01	-.9447E-03	-.52514E-03	-.55243E-03
23	-.8488E-01	-.1765E-01	-.8183E-01	-.2138E-03	-.65633E-03	-.33110E-03
24	-.5003E-02	-.3546E-01	-.1246E-03	-.8392E-03	-.99410E-05	-.10594E-02
25	-.3942E-02	-.4701E-01	-.6722E-01	-.5229E-03	-.14140E-03	-.11320E-03
26	-.4675E-02	-.6463E-01	-.1377E-01	-.4802E-04	-.10291E-02	-.33210E-03
27	-.2956E-01	-.6736E-01	-.3860E-01	-.8453E-03	-.70617E-03	-.64751E-03
28	-.5234E-01	-.3516E-01	-.8907E-01	-.1243E-02	-.41018E-03	-.13009E-02
29	-.2630E-01	-.1104E-01	-.4230E-02	-.8174E-03	-.54311E-03	-.47898E-03
30	-.1922E-03	-.5011E-01	-.4912E-02	-.3889E-03	-.20335E-03	-.89717E-03
31	-.3585E-01	-.1823E-01	-.4434E-01	-.7151E-03	-.13537E-02	-.49591E-03





21	-.39294E-03	.16168E-02	.12280E-02	-.39883E-04	-.10760E-05	.19681E-04
22	.50999E-02	-.18362E-02	-.58374E-02	.17973E-04	-.54500E-04	.38616E-05
23	.37772E-01	-.63844E-01	.43912E-01	.92153E-03	-.26354E-03	-.13812E-03
24	-.47792E-01	.37433E-01	-.25624E-01	-.27827E-03	-.10944E-03	-.11265E-03
25	-.70892E-01	.18432E-01	-.13111E+00	-.19011E-03	-.53836E-03	-.60701E-05
26	.29035E-01	-.12834E+00	-.58100E-01	.72982E-03	-.14980E-03	.51085E-03
27	.37588E-01	.13575E-01	-.76667E-02	-.26733E-03	-.69733E-03	.11284E-03
28	.47903E-02	.84681E-02	.37054E-02	-.16227E-03	-.78510E-04	.61467E-04
29	-.11880E+00	-.90676E-01	-.63326E-02	.55573E-03	-.20641E-03	.23261E-03
30	.40945E-01	.51238E-02	-.33930E-02	-.27153E-03	-.15034E-03	.20577E-03
31	.67438E-02	-.14620E-01	.36660E-02	.37451E-03	-.20495E-04	-.32789E-03
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	-.33988E-01	.72048E-01	-.54357E-01	-.32683E-03	.47086E-03	-.10259E-03
	.53381E-01	-.60691E-02	.53051E-01	-.52813E-03	.11495E-03	.46391E-03
	-.23984E-01	-.45809E-02	-.31726E-01	.41353E-03	-.40739E-03	-.33702E-03
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	-.15880E-01	.15298E-01	-.32732E-02	-.16419E-03	.83678E-03	.19103E-03
	.15351E-01	-.11659E-01	.53707E-02	.10856E-03	-.72676E-03	-.88145E-04
	.21801E-01	-.11962E+00	.27314E-01	-.89773E-03	.51340E-03	.27324E-03
	.24429E-01	.13574E+00	.26237E-01	.32344E-03	-.47449E-03	.59046E-03
	.74568E-02	-.10364E+00	-.36456E-02	.42601E-03	-.80634E-03	-.11584E-02
	-.75291E-01	.81690E-02	-.69245E-01	-.19960E-03	.83033E-03	.40390E-03
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	-.46172E-01	.44438E-01	-.29997E-01	.68722E-03	-.68645E-03	.20363E-03
	.19091E-02	-.41812E-01	-.75562E-01	.39049E-03	-.54985E-03	-.12045E-02
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	.59094E-02	.25219E-01	.61228E-02	-.54585E-03	-.48699E-05	-.91963E-03
	.43179E-01	-.18925E-02	.34639E-01	.99777E-03	.14352E-02	-.41496E-03

18 18

1	-.39294E-03	.16168E-02	.12280E-02	-.39883E-04	-.10760E-05	.19681E-04
2	.50999E-02	-.18362E-02	-.58374E-02	.17973E-04	-.54500E-04	.38616E-05
3	.37772E-01	-.63844E-01	.43912E-01	.92153E-03	-.26354E-03	-.13812E-03
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6	.29035E-01	-.12834E+00	-.58100E-01	.72982E-03	-.14980E-03	.51085E-03
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9	-.12502E+00	-.11428E+00	-.15185E-01	.40163E-03	-.84981E-04	-.49415E-04
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16 16

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16 16

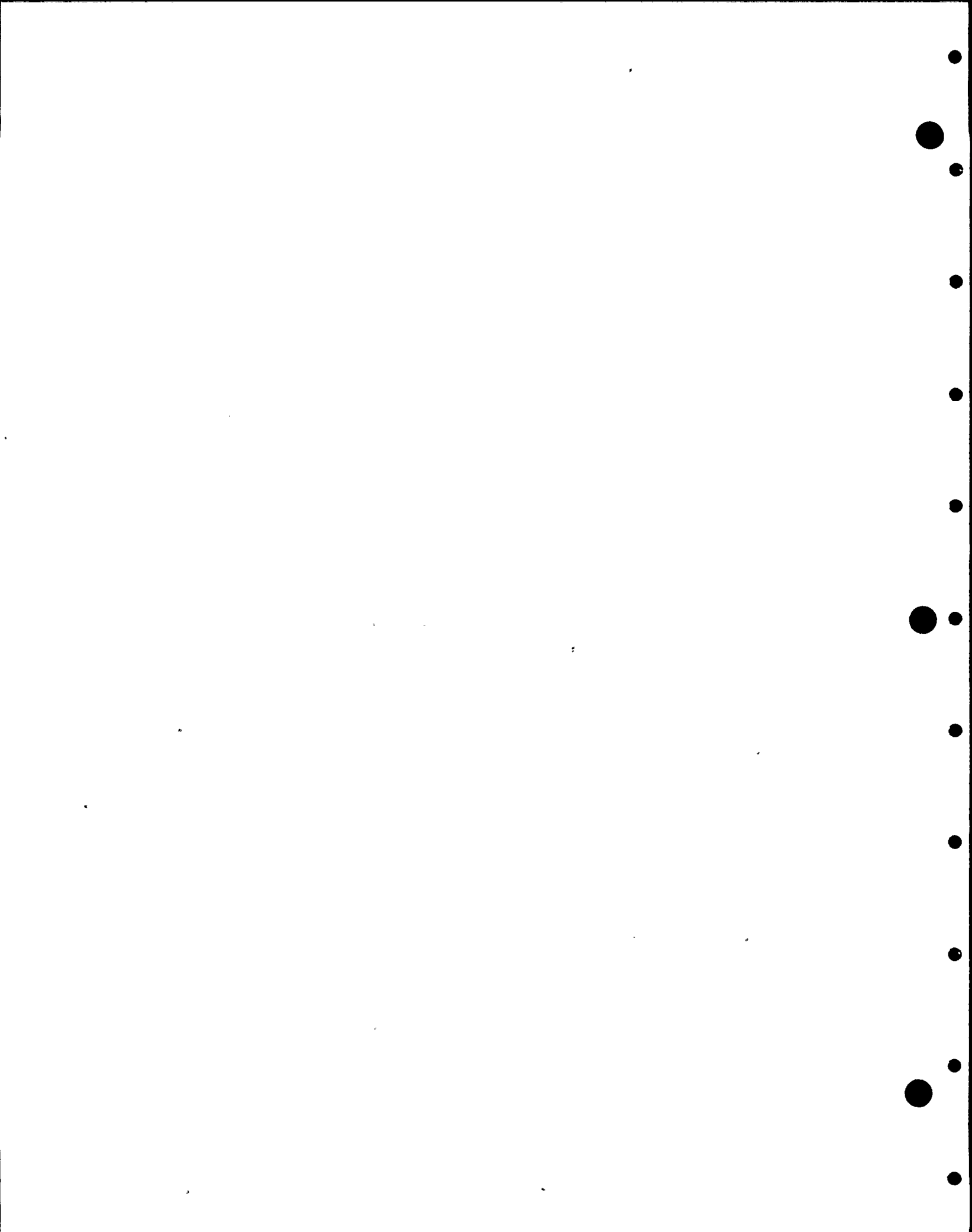
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24	-14400E-02	-26335E-01	-14176E-01	-44843E-03	-29600E-05	-83036E-03
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15 15

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19	-19592E-01	-90912E-02	-39492E-01	-40763E-04	-45476E-03	-16732E-03
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14 14

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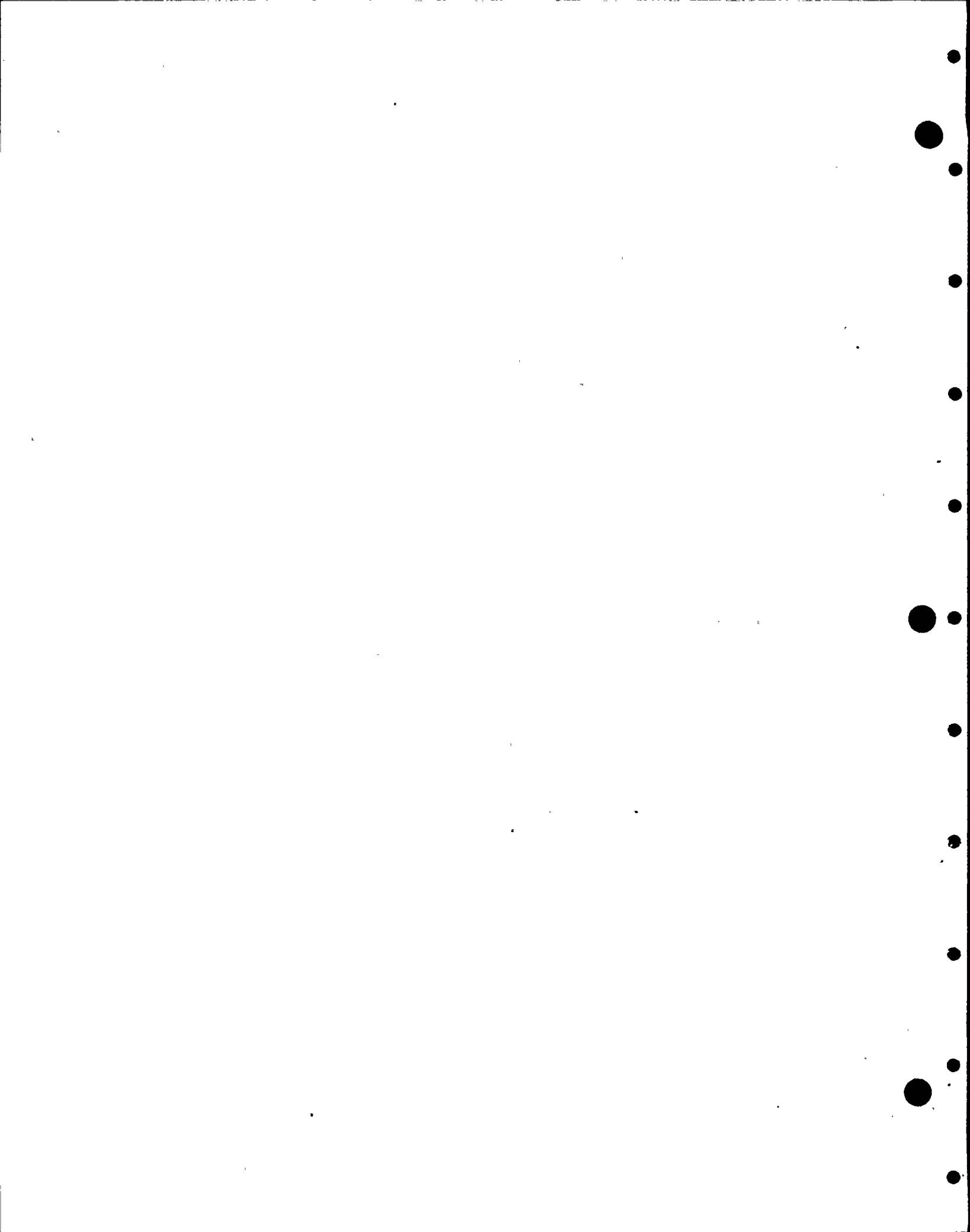
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5	-.68434E-01	.16505E-01	-.11180E+00	-.11771E-03	.71449E-03	.22550E-03
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11	.28074E-02	.74585E-01	-.59744E-02	.19110E-03	-.24092E-04	-.33717E-03
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13	.48274E-01	-.14923E-01	.87999E-01	.41042E-03	.36632E-03	.82225E-03
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20	-.84721E-02	.11957E+00	-.38181E-01	-.20947E-02	-.66120E-03	.85293E-03
21	-.12124E-01	-.11798E+00	-.28492E-01	.43569E-03	.67290E-03	-.89463E-03
22	.70618E-02	.83570E-01	.27535E-01	.96033E-03	.99772E-03	.41161E-03
23	.15868E-01	.16302E-02	.46473E-01	-.69751E-03	-.18305E-02	.26691E-04
24	-.51772E-02	-.73853E-01	.36244E-02	.38951E-03	-.16819E-03	.14382E-03
25	.60102E-01	-.22345E-01	-.44025E-01	-.53270E-03	.11808E-03	-.63902E-03
26	.33754E-02	.55564E-02	.60706E-01	.43404E-03	-.41646E-03	-.13138E-02
27	.70641E-01	-.81522E-02	.37628E-01	.16960E-02	.32020E-04	.46668E-03
28	-.32137E-01	.18398E-01	.37608E-01	.26317E-02	.14947E-02	-.16455E-02
29	-.31169E-01	-.54088E-02	.16390E-01	-.14663E-02	-.10234E-02	.20485E-03
30	.22083E-02	-.56637E-01	-.77037E-02	.52230E-03	.35097E-03	-.44146E-03
31	.26822E-03	.16368E-01	-.02203E-01	.14444E-02	.16187E-02	-.55229E-03

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1	-.50653E-03	.82041E-03	.28268E-04	-.19609E-04	-.70562E-05	.19006E-04
2	.37003E-02	-.20818E-02	-.57334E-02	-.15027E-04	.41284E-04	-.16276E-04
3	.47231E-01	-.68781E-01	.52364E-01	.10542E-02	-.14687E-03	-.82583E-03
4	-.38207E-01	.16712E-01	.14351E-02	.17166E-04	.21172E-03	.45597E-03
5	-.53526E-01	.43067E-02	-.65761E-01	-.97660E-04	.88076E-03	.27048E-03
6	.35093E-01	-.57409E-01	-.36419E-01	-.35861E-03	.24905E-03	.10513E-02
7	-.15518E-02	.13852E-03	-.57176E-01	-.33328E-03	.27371E-03	.23696E-03
8	-.16941E-02	.31241E-02	-.63594E-02	-.77160E-04	.64155E-05	.10923E-03
9	-.10791E+00	-.61521E-02	.17316E-01	-.12151E-03	.23703E-03	-.63206E-03
10	.11442E-01	-.85110E-02	-.54681E-01	-.38867E-03	.29256E-04	.15146E-03
11	.24106E-02	.85017E-01	-.67947E-02	.25940E-03	-.24345E-05	-.18867E-03
12	.62129E-01	.50537E-01	.14408E+00	.14394E-02	.23177E-03	-.11043E-02
13	.51982E-01	-.69531E-01	.10065E+00	.48961E-03	.88511E-04	.73219E-03
14	-.32827E-01	-.14268E-03	-.12871E+00	-.10526E-02	-.50418E-03	.33332E-03
15	.22878E-01	.96715E-02	.86026E-01	.74087E-03	.62672E-03	-.26469E-03
16	-.74297E-02	.42071E-01	-.10190E-01	.11097E-03	.12243E-03	-.49422E-04
17	-.25230E-01	-.71099E-02	-.83410E-01	-.45839E-03	-.98128E-03	.19371E-03
18	-.18107E-01	-.19634E-01	-.68771E-01	-.18640E-03	-.10549E-02	.51398E-04
19	.14540E-01	.18104E-01	.57577E-01	.93643E-04	.92487E-03	-.58921E-04
20	-.19747E-01	.90079E-01	-.70802E-01	-.20840E-02	-.41141E-03	.13645E-02
21	.35752E-02	-.47176E-01	.20044E-01	.11710E-03	.89298E-03	-.15153E-02
22	.24927E-01	.18852E-01	.84630E-01	.13422E-02	.80349E-03	.89667E-03
23	-.24743E-01	.15090E-01	-.81787E-01	-.81005E-03	-.21766E-02	.31526E-04
24	-.82760E-02	-.70741E-01	-.52404E-02	.19083E-03	-.11111E-03	-.47832E-03
25	.65955E-01	.32455E-01	-.41588E-01	-.67242E-03	.72621E-04	-.57138E-03
26	-.98845E-02	.74192E-01	.14156E-01	.51258E-03	-.10582E-02	-.97625E-03
27	.65231E-01	-.67596E-01	.20826E-01	.16383E-02	-.55228E-03	.47962E-04
28	-.54959E-02	.57939E-01	.12768E+00	.29957E-02	.10054E-02	-.13024E-02
29	-.52484E-01	.14142E-01	-.47630E-01	-.16484E-02	-.87472E-03	.26374E-03
30	.11095E-01	-.22561E-01	.13984E-01	.39233E-03	.28273E-03	-.65204E-03
31	.35841E-01	.14123E-01	.00358E-01	.16865E-02	.19380E-02	-.39144E-03

12 12

1	-.91290E-03	.76103E-03	-.12364E-05	-.19307E-04	-.70626E-05	.18979E-04
2	.37377E-02	-.20005E-02	-.55560E-02	-.15676E-04	.41770E-04	-.16834E-04
3	.47074E-01	-.66343E-01	.51725E-01	.10588E-02	-.14813E-03	-.83069E-03
4	-.37997E-01	.14601E-01	.23257E-02	.21843E-04	.21009E-03	.46243E-03
5	-.52648E-01	.32786E-02	-.62056E-01	-.96346E-04	.88814E-03	.27308E-03



27	-.231E-01	-.6776E-01	.208E-01	.183E-02	-.55228E-03	.47962E-03
28	-.54959E-02	.57739E-01	.12708E+00	.29947E-02	.10054E-02	-.13074E-02
29	-.57484E-01	.14122E-01	-.47630E-01	-.164E-02	-.87472E-03	.26374E-03
30	-.11095E-01	-.22561E-01	.13984E-01	.392E-03	.12827E-03	-.85204E-03
31	.39841E-01	.14123E-01	.00358E-01	.168E-02	.19380E-02	-.39144E-03

12 12

1	-.91290E-03	.76103E-03	-.12364E-05	-.19307E-04	-.70626E-05	.18979E-04
2	.37377E-02	-.20005E-02	-.55560E-02	-.1567E-04	.41770E-04	-.16834E-04
3	.47074E-01	-.06343E-01	.51725E-01	.10583E-02	-.14813E-03	-.83069E-03
4	-.37997E-01	.14801E-01	.23257E-02	.21843E-04	.21009E-03	.46243E-03
5	-.52648E-01	.32786E-02	-.62054E-01	-.76342E-04	.88814E-03	.27308E-03
6	.35331E-01	-.52622E-01	-.35355E-01	-.36913E-03	.24906E-03	-.10521E-02
7	-.12843E-02	-.52925E-03	-.55956E-01	-.33543E-03	.28668E-03	.23534E-03
8	-.16877E-02	.27410E-02	-.63227E-02	-.76123E-04	.73955E-05	.10875E-03
9	-.10760E+00	-.33348E-02	.18250E-01	-.12181E-03	.23536E-03	-.61647E-03
10	.11476E-01	-.87556E-02	-.54472E-01	-.39191E-03	.37198E-04	.14797E-03
11	.29016E-02	.65396E-01	-.67875E-02	.26423E-03	-.63205E-06	-.17928E-03
12	.62278E-01	.53663E-01	.14476E+00	.14493E-02	.20526E-03	-.11007E-02
13	.51993E-01	.72992E-01	.16082E+00	.49251E-03	.69713E-04	.71814E-03
14	-.33270E-01	-.49828E-03	-.13056E+00	-.10591E-02	-.47929E-03	.33410E-03
15	.23422E-01	.10026E-01	.88449E-01	.75101E-03	.61099E-03	-.26119E-03
16	-.72784E-02	.42089E-01	-.97078E-02	.11872E-03	.13610E-03	-.28583E-04
17	-.26129E-01	-.74411E-02	-.87354E-01	-.46322E-03	-.96267E-03	.19458E-03
18	-.19084E-01	-.19564E-01	-.73093E-01	-.18843E-03	-.10414E-02	.48459E-04
19	.15399E-01	.61373E-01	.61373E-01	.95293E-04	.91400E-03	-.56240E-04
20	-.20144E-01	.85852E-01	-.72233E-01	-.20863E-02	-.38667E-03	.13890E-02
21	.44727E-02	-.40450E-01	.23808E-01	.10041E-03	.89543E-03	-.15375E-02
22	.25032E-01	.13443E-01	.87744E-01	.13637E-02	.77252E-03	.91105E-03
23	-.26839E-01	.15699E-01	-.90833E-01	-.81669E-03	-.21579E-02	.35929E-04
24	-.96239E-02	-.68420E-01	-.56961E-02	.18173E-03	-.10354E-03	-.52332E-03
25	.66232E-01	.35569E-01	-.41342E-01	-.67385E-03	.73131E-04	-.54153E-03
26	-.10662E-01	.77502E-01	.93201E-02	.52914E-03	-.10696E-02	-.92199E-03
27	.64222E-01	-.69397E-01	.18105E-01	.18367E-02	-.58626E-03	-.14298E-04
28	-.46953E-02	.60036E-01	.13129E+00	.30266E-02	.92103E-03	-.12630E-02
29	-.53250E-01	.14668E-01	-.50978E-01	-.16571E-02	-.83517E-03	.28042E-03
30	.11458E-01	-.18867E-01	.15033E-01	.38706E-03	.26608E-03	-.86495E-03
31	.41681E-01	.13863E-01	.08315E-01	.17031E-02	.18991E-02	-.38319E-03

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1	-.25688E-03	.89085E-04	.10213E-03	-.51854E-05	-.13782E-04	.94882E-05
2	.17916E-02	.29275E-03	-.13011E-02	-.26487E-04	.61343E-04	-.43840E-04
3	.54569E-02	-.36190E-01	-.45483E-02	.10845E-02	-.13215E-03	-.66025E-03
4	.61016E-02	-.21792E-01	-.12429E-01	.68610E-03	-.20857E-03	.11134E-02
5	-.31189E-01	-.10448E-01	-.13774E-01	.20394E-03	.99262E-03	-.22489E-03
6	.15556E-01	-.95015E-02	-.41150E-02	-.38712E-03	.28622E-03	.24579E-03
7	.59961E-02	-.22411E-02	-.16810E-01	-.11623E-03	.42313E-03	.14552E-04
8	.46948E-03	.88531E-04	-.25207E-02	-.38210E-05	.83046E-05	-.59206E-05
9	-.72450E-01	-.11432E-01	.21860E-01	-.25376E-04	.21639E-03	.62111E-03
10	.10843E-01	-.32808E-02	-.20667E-01	-.24237E-03	.28353E-03	-.57316E-04
11	.68336E-02	.77641E-01	-.23352E-01	.50958E-03	-.34234E-05	-.20976E-05
12	.22556E-01	.75779E-01	.39127E-01	.11455E-02	-.72625E-03	-.34245E-03
13	.35240E-01	-.80780E-01	.61889E-01	-.16935E-03	-.52677E-03	-.28895E-03
14	-.14530E-01	-.35038E-02	-.61645E-01	-.61802E-03	.41570E-03	.19488E-03
15	.25000E-01	.45909E-02	.54047E-01	.45541E-03	.13349E-03	.17588E-03
16	.60657E-01	-.23346E-02	.18202E-01	.23536E-05	.13362E-02	.16882E-02
17	-.14745E-01	-.12819E-01	-.71342E-01	-.34785E-03	-.91649E-04	.26731E-03
18	-.15831E-01	-.19055E-01	-.82747E-01	-.84639E-04	-.33333E-03	.27346E-03
19	.13160E-01	.19128E-01	.74292E-01	.33870E-04	.32471E-03	-.22682E-03
20	.24975E-01	.38571E-01	.44807E-01	-.17262E-02	.28933E-03	-.21482E-03
21	-.37177E-01	.38860E-01	.73262E-01	-.19898E-04	.11480E-02	.38099E-04
22	.49145E-01	-.50956E-01	-.11399E-01	.12833E-02	-.74747E-03	-.19776E-03
23	-.32195E-01	.19437E-01	-.94997E-01	-.11951E-02	-.80435E-03	.19645E-03
24	-.78091E-01	.11634E-01	.19643E-01	-.14431E-03	.51153E-03	-.30820E-03
25	.12350E+00	.56679E-02	-.29691E-01	-.19853E-03	-.21051E-03	.58426E-03
26	.41254E-01	.17857E-01	-.12754E+00	-.11202E-03	-.19247E-02	.90616E-03
27	-.83330E-01	.20791E-01	-.90721E-01	-.14625E-03	-.97519E-03	-.15422E-02
28	-.17225E-01	.21901E-01	-.11115E+00	.12173E-02	-.18049E-02	.15615E-04
29	.61993E-02	-.10607E-01	.39768E-01	-.55402E-03	.41587E-03	.81658E-03
30	.51442E-02	-.83649E-02	-.22152E-01	.22233E-03	-.33388E-03	.55769E-03
31	.19960E-01	.77111E-02	.11849E-02	.10903E-02	.31883E-03	-.80961E-03

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1	-.22722E-03	.89046E-04	.11672E-03	-.50951E-05	-.13734E-04	.93456E-05
2	.16496E-02	.29271E-03	-.13134E-02	-.26153E-04	.61150E-04	-.43352E-04
3	.34361E-02	-.36179E-01	-.78275E-02	.10843E-02	-.12933E-03	-.65572E-03
4	.94094E-02	-.21794E-01	-.14471E-01	.69023E-03	-.21286E-03	.11144E-02
5	-.31739E-01	-.10450E-01	-.16340E-01	.20873E-03	.99049E-03	-.23481E-03
6	.16283E-01	-.94762E-02	-.29060E-02	-.38643E-03	.28371E-03	.25738E-03
7	.60044E-02	-.22435E-02	-.18381E-01	-.11035E-03	.42103E-03	.14799E-04





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28	.1722E-01	.2190E-01	.1111E-01	.1210E-02	.1630E-02	.1301E-04
29	.994E-02	.107E-01	.397E-01	.5540E-03	.4158E-03	.8165E-03
30	.51442E-02	.83049E-02	.22152E-01	.2223E-03	.3338E-03	.55769E-03
31	.1990E-01	.7711E-02	.11849E-02	.1097E-02	.3188E-03	.80961E-03
1	.22722E-03	.89046E-04	.11672E-03	.5095E-05	.13734E-04	.93456E-05
2	.16406E-02	.2927E-03	.13134E-02	.26153E-04	.61150E-04	.43352E-04
3	.34361E-02	.36179E-01	.78275E-02	.10845E-02	.12933E-03	.65572E-03
4	.94090E-02	.21790E-01	.14271E-01	.69029E-03	.21288E-03	.11144E-02
5	.31739E-01	.10450E-01	.14340E-01	.20876E-03	.99099E-03	.23481E-03
6	.16283E-01	.94762E-02	.29000E-02	.38643E-03	.28371E-03	.25738E-03
7	.60064E-02	.22435E-02	.18381E-01	.11035E-03	.42103E-03	.14799E-04
8	.44515E-03	.66861E-04	.25008E-02	.26900E-05	.83840E-05	.64802E-05
9	.70190E-01	.10415E-01	.21842E-01	.30241E-04	.21511E-03	.60932E-03
10	.10418E-01	.32794E-02	.19839E-01	.23638E-03	.20233E-03	.55692E-04
11	.67818E-02	.77601E-01	.24842E-01	.51180E-03	.30190E-05	.34047E-05
12	.21419E-01	.75756E-01	.35434E-01	.11301E-02	.72323E-03	.33461E-03
13	.30128E-01	.80761E-01	.62191E-01	.16142E-03	.52373E-03	.28435E-03
14	.13271E-01	.35008E-02	.59505E-01	.60257E-03	.41394E-03	.19103E-03
15	.26068E-01	.45806E-02	.52437E-01	.44444E-03	.13661E-03	.17842E-03
16	.71742E-01	.23474E-02	.18115E-01	.20752E-05	.13504E-02	.16858E-02
17	.13846E-01	.12808E-01	.76014E-01	.33845E-03	.89639E-04	.26456E-03
18	.14891E-01	.19626E-01	.82220E-01	.77631E-04	.32963E-03	.27254E-03
19	.12381E-01	.19103E-01	.73950E-01	.26361E-04	.32138E-03	.22605E-03
20	.24040E-01	.38442E-01	.50206E-01	.17111E-02	.28358E-03	.22863E-03
21	.36786E-01	.38935E-01	.73089E-01	.19395E-04	.11451E-02	.53604E-04
22	.48254E-01	.50990E-01	.15442E-01	.12673E-02	.74679E-03	.20716E-03
23	.31472E-01	.19408E-01	.90851E-01	.11885E-02	.87773E-03	.19591E-03
24	.78729E-01	.11727E-01	.20683E-01	.13868E-03	.51523E-03	.28407E-03
25	.12507E+00	.56644E-02	.28054E-01	.20047E-03	.21985E-03	.56109E-03
26	.44068E-01	.17765E-01	.12673E+00	.13914E-03	.19205E-02	.88365E-03
27	.88097E-01	.20818E-01	.89918E-01	.16656E-03	.95772E-03	.15009E-02
28	.17181E-01	.21770E-01	.11462E+00	.11593E-02	.17958E-02	.14537E-04
29	.88781E-02	.10593E-01	.41019E-01	.53000E-03	.40919E-03	.80228E-03
30	.71362E-02	.64482E-02	.22816E-01	.21158E-03	.33594E-03	.55987E-03
31	.17127E-01	.76443E-02	.23996E-02	.10665E-02	.32145E-03	.80762E-03

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1	.16463E-03	.88424E-04	.32724E-03	.37162E-05	.12966E-04	.30800E-05
2	.23265E-03	.29202E-03	.19013E-03	.20592E-04	.58058E-04	.30974E-04
3	.26376E-01	.36015E-01	.60221E-01	.10285E-02	.84202E-04	.56337E-03
4	.63739E-01	.21836E-01	.49600E-01	.70615E-03	.28148E-03	.10665E-02
5	.47325E-01	.10471E-01	.26076E-01	.25795E-03	.90480E-03	.34803E-03
6	.33511E-01	.90721E-02	.15069E-01	.35297E-03	.21162E-03	.38742E-03
7	.68810E-02	.22828E-02	.15570E-01	.32435E-04	.38730E-03	.15314E-04
8	.88199E-04	.60150E-04	.28490E-02	.11225E-04	.96537E-05	.13286E-04
9	.46152E-01	.14030E-01	.25085E-01	.81521E-04	.19477E-03	.43691E-03
10	.85146E-02	.32572E-02	.11021E-01	.15213E-03	.26310E-03	.36741E-04
11	.61713E-02	.76953E-01	.50912E-01	.44293E-03	.34512E-05	.23779E-04
12	.86004E-02	.75385E-01	.12837E-01	.84321E-03	.67487E-03	.21926E-03
13	.22667E-01	.80452E-01	.76711E-01	.25023E-03	.47495E-03	.22456E-03
14	.63296E-02	.34512E-02	.37278E-01	.40481E-03	.38576E-03	.13498E-03
15	.36218E-01	.44408E-02	.36036E-01	.32091E-03	.18654E-03	.14447E-03
16	.15419E+00	.25516E-02	.18006E-01	.22991E-04	.15773E-02	.12957E-02
17	.22695E-02	.12020E-01	.58520E-01	.29353E-03	.57478E-04	.21006E-03
18	.21885E-02	.19167E-01	.82784E-01	.13881E-03	.27044E-03	.23800E-03
19	.18491E-02	.18692E-01	.76171E-01	.10153E-03	.26821E-03	.19732E-03
20	.76104E-02	.36372E-01	.12839E+00	.11011E-02	.19140E-03	.37731E-03
21	.28403E-01	.40122E-01	.75328E-01	.15615E-03	.10983E-02	.28930E-03
22	.35188E-01	.51542E-01	.71493E-01	.77965E-03	.73585E-03	.37305E-03
23	.22786E-01	.18948E-01	.37088E-01	.10863E-02	.77183E-03	.23447E-03
24	.84713E-01	.13226E-01	.25102E-01	.19591E-04	.57448E-03	.28408E-03
25	.14661E+00	.56437E-02	.17026E-01	.26367E-03	.36920E-03	.27964E-03
26	.79775E-01	.16296E-01	.11213E+00	.84453E-03	.18519E-02	.22347E-03
27	.14793E+00	.21248E-01	.75786E-01	.66393E-03	.67828E-03	.28027E-03
28	.17450E-01	.19087E-01	.15183E+00	.27311E-03	.16180E-02	.77635E-04
29	.43145E-01	.10362E-01	.59081E-01	.65343E-04	.30239E-03	.34746E-03
30	.36293E-01	.97808E-02	.20019E-01	.77333E-04	.36881E-03	.32883E-03
31	.21873E-01	.65742E-02	.45681E-01	.41742E-03	.36343E-03	.55491E-03

8 8

1	.45134E-03	.87785E-04	.47295E-03	.24122E-05	.12198E-04	.49734E-05
2	.17084E-02	.29120E-03	.66234E-03	.15183E-04	.54965E-04	.26461E-04
3	.50866E-01	.35822E-01	.10725E+00	.87447E-03	.39071E-04	.43989E-03
4	.11263E+00	.21857E-01	.82921E-01	.62821E-03	.35010E-03	.90741E-03
5	.65796E-01	.10481E-01	.39484E-01	.25305E-03	.93861E-03	.36924E-03
6	.54197E-01	.86557E-02	.31233E-01	.28370E-03	.11953E-03	.41462E-03
7	.75281E-02	.23185E-02	.15506E-01	.11398E-04	.35369E-03	.85377E-05
8	.65078E-03	.33337E-04	.36357E-02	.16981E-04	.10923E-04	.16325E-04
9	.22584E-01	.13625E-01	.30022E-01	.82404E-04	.17443E-03	.31269E-03



31 -.0873E-01 .6742E-02 -.4570E-01 .4174E-03 .3634E-03 -.55491E-05

1 .45134E-03 .87785E-04 .47295E-03 -.2412E-05 -.12198E-04 .49734E-05  
2 -.17069E-02 .29126E-03 .06234E-03 -.1512E-04 .54965E-04 -.26461E-04  
3 -.50866E-01 .35822E-01 -.10725E+00 .8744E-03 -.39071E-04 -.43989E-03  
4 .11263E+00 .21857E-01 -.82921E-01 .62821E-03 -.35010E-03 .90741E-03  
5 -.65796E-01 .10481E-01 -.39484E-01 .25303E-03 .93861E-03 -.36924E-03  
6 .54197E-01 .86557E-02 .31233E-01 -.28371E-03 .13953E-03 .41462E-03  
7 .75281E-02 .23185E-02 .15506E-01 .11393E-04 .35364E-03 .85377E-05  
8 -.85078E-03 .33337E-04 .36357E-02 .16981E-04 .10923E-04 -.16325E-04  
9 -.28585E-01 .13625E-01 .30022E-01 -.82401E-04 .17443E-03 .31269E-03  
10 .69844E-02 .32232E-02 .53944E-02 -.91742E-04 .24398E-03 -.31135E-04  
11 .44799E-02 .76005E-01 .70179E-01 .28633E-03 .99215E-05 -.41420E-04  
12 .52571E-03 .74687E-01 .45837E-01 .51012E-03 -.62652E-03 -.12607E-03  
13 .12783E-01 .79783E-01 .87555E-01 .12853E-03 -.42617E-03 -.18646E-03  
14 -.98272E-03 .33828E-02 .21184E-01 .28403E-03 .35757E-03 .88879E-04  
15 .40602E-01 .43636E-02 .22100E-01 .26443E-03 .23648E-03 .15815E-04  
16 .19923E+00 .27367E-02 .16094E-01 .70487E-04 .18042E-02 .46426E-03  
17 .64391E-02 .12309E-01 .42582E-01 .35583E-03 .25317E-04 .13848E-03  
18 .81977E-02 .18500E-01 .70079E-01 .36883E-03 .21125E-03 .16909E-03  
19 -.67619E-02 .18076E-01 .65293E-01 .32997E-03 .21504E-03 -.14009E-03  
20 -.13173E-01 .33856E-01 .15850E+00 .12697E-03 .99351E-04 .38198E-03  
21 -.83082E-02 .40780E-01 .58736E-01 .45397E-03 .10515E-02 .42443E-03  
22 .11995E-01 .51322E-01 .91726E-01 .87283E-04 .72491E-03 .47537E-03  
23 -.85875E-02 .18111E-01 .14266E-01 .87287E-03 .66593E-03 .27659E-03  
24 -.51251E-01 .14438E-01 .18317E-01 .19417E-03 .63373E-03 .82285E-03  
25 .99139E-01 .54805E-02 .34400E-02 .29813E-03 .51850E-03 .12505E-02  
26 .66189E-01 .14379E-01 .44057E-01 .14363E-02 .17834E-02 .53190E-03  
27 -.11605E+00 .21072E-01 .25378E-01 .10475E-02 .39884E-03 .10899E-02  
28 -.99580E-02 .16965E-01 .87346E-01 .16173E-02 .14402E-02 .17356E-03  
29 .42922E-01 .97769E-02 .34098E-01 .62547E-03 .19559E-03 .20534E-03  
30 .40084E-01 .10746E-01 .15248E-01 .34566E-03 .40168E-03 .98748E-04  
31 -.37499E-01 .52204E-02 .42893E-01 .29165E-03 .40541E-03 .10924E-03

7 7

1 .68996E-03 .86900E-04 .57586E-03 -.74844E-06 -.11132E-04 .23250E-05  
2 -.30746E-02 .29006E-03 .18275E-02 .79634E-05 .50675E-04 .14462E-04  
3 -.73701E-01 .35555E-01 .15588E+00 .51585E-03 .23547E-04 .22466E-03  
4 .16292E+00 .21886E-01 .11876E+00 .38181E-03 .44531E-03 .52441E-03  
5 -.84058E-01 .10495E-01 .54744E-01 .16680E-03 .90227E-03 .26443E-03  
6 .60425E-01 .80781E-02 .46037E-01 .13589E-03 .39497E-04 .29880E-03  
7 .76465E-02 .23679E-02 .17479E-01 .25052E-04 .30697E-03 .88388E-05  
8 -.19780E-02 .38655E-05 .48309E-02 .13248E-04 .12685E-04 .14356E-04  
9 .12723E-01 .13058E-01 .34444E-01 .19302E-04 .14621E-03 .18547E-03  
10 .49882E-02 .31761E-02 .16578E-02 .32361E-04 .21737E-03 .33916E-04  
11 .11390E-02 .74090E-01 .78730E-01 .95902E-04 .18899E-04 .52366E-04  
12 .39569E-02 .73720E-01 .63464E-01 .76739E-05 .55942E-03 .19544E-04  
13 .21000E-02 .78855E-01 .87277E-01 .22736E-03 .35849E-03 .13154E-03  
14 .28539E-02 .32871E-02 .70374E-02 .16343E-03 .31846E-03 .27672E-04  
15 .34724E-01 .41872E-02 .08829E-02 .19834E-03 .30576E-03 .22004E-03  
16 .18658E+00 .29935E-02 .93343E-02 .12889E-03 .21191E-02 .98902E-03  
17 .11725E-01 .11876E-01 .16645E-01 .40491E-03 .19307E-04 .25491E-05  
18 .15104E-01 .17575E-01 .35840E-01 .63249E-03 .12913E-03 .76996E-05  
19 .12505E-01 .17222E-01 .33722E-01 .59115E-03 .14126E-03 .58817E-05  
20 .34124E-01 .30366E-01 .12170E+00 .12383E-02 .28254E-04 .11506E-03  
21 .20753E-01 .41665E-01 .18328E-01 .66133E-03 .98603E-03 .29524E-03  
22 .19191E-01 .51017E-01 .06604E-01 .81207E-03 .70972E-03 .31505E-03  
23 .85625E-02 .16949E-01 .54570E-01 .11416E-03 .51898E-03 .17132E-03  
24 .15773E-01 .16119E-01 .35999E-03 .25965E-03 .71594E-03 .83403E-03  
25 .92540E-02 .52542E-02 .14145E-01 .12145E-03 .72580E-03 .14499E-02  
26 .72269E-02 .11720E-01 .55116E-01 .91922E-03 .16883E-02 .91961E-03  
27 .30305E-02 .20025E-01 .44979E-01 .58367E-03 .11114E-04 .16617E-02  
28 .33254E-02 .13188E-01 .47646E-01 .14972E-02 .11935E-02 .14931E-03  
29 .10383E-01 .89656E-02 .18666E-01 .59073E-03 .47406E-04 .58428E-03  
30 .16932E-01 .12084E-01 .12417E-01 .26733E-03 .44728E-03 .50717E-03  
31 .24760E-01 .33419E-02 .17441E-02 .63413E-03 .46366E-03 .47560E-03

6 6

1 .74315E-03 .85990E-04 .57387E-03 .69695E-06 .10067E-04 .54278E-07  
2 -.36375E-02 .28872E-03 .17182E-02 .11847E-05 .46384E-04 .28846E-05  
3 -.80648E-01 .35247E-01 .17530E+00 .46013E-04 .86166E-04 .14703E-04  
4 .18182E+00 .21886E-01 .13137E+00 .26557E-04 .54051E-03 .24019E-04  
5 .10039E+00 .10493E-01 .61334E-01 .15013E-04 .86594E-03 .47203E-04  
6 .93245E-01 .74840E-02 .49162E-01 .42563E-04 .60532E-04 .55849E-04  
7 .63314E-02 .24116E-02 .18610E-01 .28321E-05 .26025E-03 .29675E-04  
8 .27376E-02 .41058E-04 .53457E-02 .22723E-06 .14447E-04 .67862E-05  
9 .36501E-02 .12450E-01 .32358E-01 .85575E-04 .11799E-03 .98537E-04  
10 .24460E-02 .31115E-02 .94231E-03 .14101E-05 .14076E-03 .44402E-04  
11 .23953E-02 .72931E-01 .57332E-01 .49125E-03 .27876E-04 .45469E-04



6

1	.315E-03	.8190E-04	.5737E-03	.6969E-06	.10067E-04	.54278E-03
2	.38375E-02	.28872E-03	.17102E-02	.11847E-05	.46384E-04	.28846E-05
3	.80648E-01	.35247E-01	.17534E+00	.4601E-04	.86166E-04	.14703E-04
4	.18182E+00	.18884E-01	.13317E+00	.2651E-04	.54051E-03	.24019E-04
5	.10039E+00	.10493E-01	.61334E-01	.1501E-04	.86594E-03	.47203E-04
6	.93285E-01	.74840E-02	.49162E-01	.42568E-04	.60532E-04	.55849E-04
7	.63314E-02	.24116E-02	.18610E-01	.28343E-05	.26025E-03	.29675E-04
8	.27376E-02	.41058E-04	.53457E-02	.22728E-06	.14447E-04	.67862E-05
9	.36541E-02	.12450E-01	.32358E-01	.85575E-04	.11799E-03	.98537E-04
10	.24460E-02	.31115E-02	.9231E-03	.14101E-05	.14076E-03	.40402E-04
11	.23953E-02	.72931E-01	.57332E-01	.49126E-03	.27876E-04	.45469E-04
12	.22718E-02	.72266E-01	.45188E-01	.45899E-03	.49233E-03	.52341E-04
13	.46997E-02	.77394E-01	.57097E-01	.61432E-03	.24482E-03	.69620E-04
14	.27654E-02	.31625E-02	.78236E-03	.77926E-04	.27936E-03	.22451E-04
15	.11600E-01	.39039E-02	.42633E-02	.12271E-03	.37505E-03	.40097E-03
16	.69276E-01	.37162E-02	.83787E-03	.14526E-03	.24340E-02	.21248E-02
17	.64479E-02	.11267E-01	.10670E-01	.33259E-03	.63930E-04	.12104E-03
18	.92330E-02	.16360E-01	.12760E-01	.64647E-03	.47003E-04	.15197E-03
19	.75544E-02	.16079E-01	.12693E-01	.61087E-03	.67489E-04	.12653E-03
20	.27834E-01	.26310E-01	.25741E-02	.19087E-02	.15626E-03	.27031E-03
21	.29739E-01	.41053E-01	.27335E-01	.50693E-03	.92172E-03	.61904E-04
22	.28767E-01	.49549E-01	.13376E-01	.11647E-02	.69454E-03	.59657E-04
23	.13220E-01	.15274E-01	.29369E-01	.66357E-03	.37204E-03	.42995E-04
24	.55957E-01	.17268E-01	.15696E-01	.11596E-03	.79815E-03	.15258E-03
25	.87120E-01	.46291E-02	.12214E-01	.14651E-03	.93304E-03	.27499E-03
26	.51467E-01	.85722E-02	.72900E-01	.43265E-03	.15932E-02	.44529E-03
27	.96393E-01	.19682E-01	.49303E-01	.42699E-03	.37661E-03	.64729E-03
28	.91926E-02	.87610E-02	.10278E+00	.19251E-03	.99675E-03	.64064E-05
29	.31427E-01	.76888E-02	.40191E-01	.84264E-04	.10078E-03	.34334E-03
30	.24564E-01	.12731E-01	.18671E-01	.11217E-03	.49288E-03	.59720E-03
31	.22774E-01	.12432E-02	.37186E-01	.19515E-03	.52191E-03	.51189E-03

5 5

1	.66541E-03	.84819E-04	.44995E-03	.20742E-05	.87231E-05	.21015E-05
2	.33221E-02	.28684E-03	.15017E-02	.55943E-05	.40973E-04	.92022E-05
3	.67434E-01	.34814E-01	.15351E+00	.57845E-03	.16514E-03	.27306E-03
4	.15713E+00	.21850E-01	.11554E+00	.42571E-03	.66069E-03	.56787E-03
5	.91175E-01	.16473E-01	.53660E-01	.19203E-03	.82011E-03	.25998E-03
6	.83370E-01	.67187E-02	.36700E-01	.22802E-03	.18670E-03	.28004E-03
7	.29192E-02	.23606E-02	.16089E-01	.59843E-04	.20132E-03	.46253E-04
8	.27960E-02	.87852E-04	.44723E-02	.19927E-04	.16669E-04	.55814E-05
9	.10252E-02	.11645E-01	.19886E-01	.18947E-03	.82393E-04	.24333E-04
10	.10226E-02	.30122E-02	.20098E-02	.13683E-04	.15720E-03	.36093E-04
11	.51722E-02	.70260E-01	.23177E-02	.65901E-03	.39199E-04	.14186E-04
12	.42010E-02	.69933E-01	.78746E-02	.62301E-03	.40770E-03	.75744E-04
13	.70193E-02	.74988E-01	.06612E-02	.71967E-03	.20549E-03	.11793E-04
14	.90040E-03	.29761E-02	.34025E-02	.46661E-05	.23003E-03	.48570E-04
15	.24198E-01	.36358E-02	.94827E-02	.27175E-05	.46243E-03	.32377E-03
16	.12688E+00	.34587E-02	.11081E-01	.62442E-04	.28311E-02	.18288E-02
17	.66432E-02	.10321E-01	.28109E-01	.22847E-04	.12021E-03	.13870E-03
18	.79556E-02	.14545E-01	.52457E-01	.13123E-03	.56578E-04	.17643E-03
19	.67349E-02	.14357E-01	.49684E-01	.12323E-03	.25561E-04	.14532E-03
20	.90009E-02	.20680E-01	.14688E+00	.76910E-03	.31740E-03	.42631E-03
21	.61930E-02	.40697E-01	.47110E-01	.12913E-03	.83985E-03	.37244E-03
22	.49688E-02	.46515E-01	.92622E-01	.27799E-03	.67539E-03	.37141E-03
23	.34626E-03	.12677E-01	.43003E-01	.56509E-03	.18671E-03	.18723E-03
24	.23757E-01	.18119E-01	.12136E-01	.16252E-03	.90184E-03	.69700E-03
25	.44093E-01	.41015E-02	.88736E-02	.19167E-03	.11944E-02	.10931E-02
26	.40309E-01	.42271E-02	.20748E-01	.10421E-02	.14732E-02	.62834E-03
27	.60389E-01	.17340E-01	.24493E-01	.72471E-03	.86563E-03	.12228E-02
28	.12568E-03	.27242E-02	.35152E-02	.14083E-02	.63558E-03	.12931E-03
29	.27319E-01	.56605E-02	.27182E-02	.55243E-03	.28768E-03	.41036E-03
30	.29260E-01	.12784E-01	.72989E-02	.26074E-03	.55040E-03	.33204E-03
31	.36365E-01	.14879E-02	.14036E-01	.51313E-03	.59538E-03	.33223E-03

4 4

1	.42420E-03	.83621E-04	.23447E-03	.28408E-05	.77792E-05	.33079E-05
2	.21614E-02	.28474E-03	.81049E-03	.96042E-05	.35561E-04	.16581E-04
3	.36548E-01	.34334E-01	.67358E-01	.95567E-03	.26412E-03	.41188E-03
4	.89953E-01	.21781E-01	.63693E-01	.74027E-03	.78068E-03	.92197E-03
5	.57990E-01	.10434E-01	.29915E-01	.34263E-03	.77428E-03	.48107E-03
6	.47945E-01	.59374E-02	.12567E-01	.29813E-03	.31286E-03	.50091E-03
7	.11466E-02	.25027E-02	.87432E-02	.10608E-03	.14240E-03	.43125E-04
8	.18404E-02	.13439E-03	.21074E-02	.32323E-04	.18891E-04	.15224E-04
9	.98155E-03	.10797E-01	.19558E-02	.19733E-03	.46797E-04	.12978E-04
10	.33763E-02	.28937E-02	.28427E-02	.49472E-06	.12364E-03	.15530E-04
11	.46920E-02	.67101E-01	.45958E-01	.32673E-03	.50522E-04	.22928E-04
12	.94474E-02	.67061E-01	.51508E-01	.24997E-03	.32308E-03	.31406E-04
13	.31658E-02	.71989E-01	.55665E-01	.27657E-03	.12010E-03	.63101E-04



1	-.12979E-06	.10007E-06	.13993E-07	.12507E-07	-.24277E-07	-.99535E-08
2	-.83820E-06	.21027E-06	.74904E-07	.40322E-07	.12257E-06	.67235E-07
3	-.21961E-04	-.45207E-04	-.76326E-05	-.59325E-05	.89975E-06	.31037E-05
4	.53429E-04	-.11753E-04	-.05329E-05	-.30045E-05	-.29436E-05	-.67804E-05
5	-.30282E-04	-.63536E-05	-.31377E-05	-.14587E-05	.28608E-05	.29487E-05
6	.30413E-04	-.61199E-05	.34850E-05	-.21217E-05	-.13848E-05	-.43297E-05
7	.14167E-05	.20001E-05	-.11563E-05	-.27427E-06	.50559E-06	-.61136E-06
8	-.13008E-05	.34368E-05	-.39122E-06	.58927E-07	.63729E-07	.13589E-06
9	.40437E-05	-.69889E-04	.24228E-05	.29353E-05	.50767E-07	-.46868E-06
10	-.19389E-05	-.11087E-04	-.79556E-07	-.63223E-06	.50385E-06	-.18561E-06
11	-.53582E-05	.30667E-03	-.87495E-06	.15484E-04	.30274E-06	.41100E-06
12	.50560E-05	.29214E-03	.10348E-05	.15179E-04	-.13150E-05	.41152E-06
13	-.81569E-05	-.30983E-03	-.19623E-05	-.16232E-04	-.25241E-06	.11735E-05
14	-.29385E-05	-.20414E-04	.12369E-05	-.79105E-06	.74750E-06	-.28619E-06
15	-.57607E-04	.34315E-04	-.29630E-05	.11391E-05	.36145E-05	.33253E-05





5	-.53427E-04	-.17735E-04	-.53362E-05	-.38040E-05	-.27757E-05	-.10600E-05
6	-.282E-04	-.6134E-05	-.311E-05	-.1058E-05	-.28608E-05	-.29487E-05
7	-.34413E-04	-.61199E-04	-.34850E-05	-.21219E-05	-.13848E-05	-.43297E-05
8	-.14167E-05	-.20001E-05	-.11563E-05	-.2742E-06	-.50559E-06	-.61130E-06
9	-.13008E-05	-.34368E-05	-.39122E-06	-.589E-07	-.83729E-07	-.13589E-06
10	-.40437E-05	-.6988E-04	-.24228E-05	-.29352E-05	-.54767E-07	-.46868E-06
11	-.19389E-05	-.11687E-04	-.79556E-07	-.63225E-06	-.50385E-06	-.18541E-06
12	-.53582E-05	-.30667E-03	-.87495E-06	-.15484E-04	-.30274E-06	-.41100E-06
13	-.50560E-05	-.29214E-03	-.10348E-05	-.15174E-04	-.13150E-05	-.41152E-06
14	-.81569E-05	-.30983E-03	-.19823E-05	-.16232E-04	-.25241E-06	-.11735E-05
15	-.29385E-05	-.20416E-04	-.12369E-05	-.79106E-06	-.74750E-06	-.28819E-06
16	-.57607E-04	-.34315E-04	-.29630E-05	-.11391E-05	-.36145E-05	-.33253E-05
17	-.31550E-03	-.78137E-05	-.37206E-05	-.35845E-06	-.20648E-04	-.17392E-04
18	-.25146E-04	-.10730E-03	-.10295E-04	-.34071E-05	-.13880E-05	-.14998E-05
19	-.34245E-04	-.19121E-03	-.21598E-04	-.54962E-05	-.16080E-05	-.22389E-05
20	-.28868E-04	-.18451E-03	-.20627E-04	-.53503E-05	-.12955E-05	-.19350E-05
21	-.72298E-04	-.50150E-03	-.71898E-04	-.11761E-04	-.39967E-05	-.40378E-05
22	-.43070E-04	-.28524E-03	-.17336E-04	-.11073E-04	-.42437E-05	-.60752E-06
23	-.49539E-04	-.47816E-03	-.47788E-04	-.15242E-04	-.40484E-05	-.13606E-05
24	-.41846E-04	-.27611E-03	-.41660E-04	-.65633E-05	-.13497E-05	-.29690E-05
25	-.10931E-03	-.86476E-04	-.36402E-06	-.43203E-05	-.75088E-05	-.38933E-05
26	-.18659E-03	-.87794E-04	-.13600E-04	-.20864E-05	-.11934E-04	-.71781E-05
27	-.90540E-04	-.33950E-03	-.65201E-04	-.61243E-05	-.83750E-05	-.90930E-06
28	-.23401E-03	-.34068E-03	-.52222E-04	-.83113E-05	-.13279E-04	-.10259E-04
29	-.44887E-04	-.43736E-03	-.89079E-04	-.73333E-05	-.27110E-06	-.41067E-05
30	-.87216E-04	-.20553E-03	-.37386E-04	-.41831E-05	-.49005E-05	-.37107E-05
31	-.69029E-04	-.17058E-03	-.22282E-04	-.48713E-05	-.48253E-05	-.19529E-05
	-.79485E-04	-.15308E-03	-.35376E-04	-.20672E-05	-.54804E-05	-.22166E-05

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

# EIGENSOLUTION TIME LOG

EIGENSOLUTION = 6.36  
PRINTING = .81



EIGENVALUE EXTRACTION = 8.38  
INTING = .81

OVERALL TIME LOG

NODAL POINT INPUT	=	.40
ELEMENT STIFFNESS FORMATION	=	.42
NODAL LOAD INPUT	=	.02
TOTAL STIFFNESS FORMATION	=	.05
STATIC ANALYSIS	=	0.00
EIGENVALUE EXTRACTION	=	7.17
FORCED RESPONSE ANALYSIS	=	0.00
RESPONSE SPECTRUM ANALYSIS	=	0.00
STEP-BY-STEP INTEGRATION	=	0.00
TOTAL SOLUTION TIME	=	8.06



X-DIRECTION SPECTRUM

SAVE	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DIRECTION	0	1	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FREQ	1	6	.5000	1.1111	1.1124	6.0000	8.0064	999.0000
G	1	6	.0700	.3499	1.6799	1.6799	.2100	.1400
ENDJOB								



PIPING BENCHMARK PROBLEM 323A

X-DIRECTION SPECTRUM

C O N T R O L   I N F O R M A T I O N

NUMBER OF NODAL POINTS = 57  
NUMBER OF ELEMENT TYPES = 2  
NUMBER OF LOAD CASES = 0  
NUMBER OF FREQUENCIES = 31  
ANALYSIS CODE (NDYN) = -3  
EQ.0, STATIC  
EQ.1, MCDAL EXTRACTION  
EQ.2, FORCED RESPONSE  
EQ.3, RESPONSE SPECTRUM  
EQ.4, DIRECT INTEGRATION  
SOLUTION CODE (MCDEX) = 0  
EQ.0, EXECUTION  
EQ.1, DATA CHECK  
NUMBER OF SUBSPACE  
ITERATION VECTORS (NAD) = 0  
EQUATIONS PER BLOCK = 0  
TAPE10 SAVE FLAG (N10SV) = 0





# RESPONSE SPECTRUM ANALYSIS

## DIRECTION FACTORS

X = 1.0000 Y = 0.0000 Z = 0.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION

## MODAL PARTICIPATION FACTORS

MODE	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	.6081E+00	-.5976E+01	-.1228E+00
2	-.5761E+01	-.1999E+00	-.2996E+01
3	-.5594E+00	-.3153E+01	-.1949E+01
4	.2036E+01	.9989E-01	-.3541E+01
5	-.3312E+01	.6666E-03	-.7387E+01
6	.4788E+01	-.3025E+01	-.2999E+01
7	.3712E+01	.1286E+00	.3636E+01
8	.1371E+01	.2058E-01	-.3479E+00
9	-.5872E+01	-.1796E+01	.4261E+01
10	.5588E+00	-.4285E+00	-.2995E+01
11	.1569E+00	.6777E+01	-.8901E+00
12	.9504E+00	.8992E+00	.1064E+01
13	.1047E+01	-.1357E+00	.1525E+01
14	-.1941E+01	-.1118E+00	.1562E+01
15	-.3199E+01	.1090E+01	.1983E+01
16	.2090E-02	-.6167E+00	.2272E-03
17	.7459E+00	.1713E+01	-.1775E+01
18	-.1389E+01	-.4445E+01	-.3839E+00
19	.1405E+01	-.2156E+01	.1599E+00
20	-.1496E-02	.5104E+00	-.1091E+01
21	-.8649E+00	.2149E+01	-.3526E+00
22	.1662E+00	-.2118E+01	-.9318E-01



18	-.1389E+01	-.3445E+01	-.3819E+00
19	.1405E+01	-.2156E+01	.1599E+00
20	-.1496E-02	.5104E+00	-.1091E+01
21	-.8649E+00	.2149E+01	-.3526E+00
22	.1662E+00	-.2118E+01	-.9318E-01
23	-.6181E+00	.7952E+00	-.1389E+01
24	-.5036E+00	-.3018E+00	.6651E-01
25	.4916E+00	.1033E+00	-.2799E+00
26	.8633E+00	.1092E+01	-.8925E+00
27	-.9497E+00	-.1155E+00	-.6442E+00
28	-.7053E+00	.2275E+00	-.9200E+00
29	-.1407E+01	-.1390E+01	.6889E+00
30	.4095E+00	.3457E+00	-.2222E+00
31	-.7992E+00	-.1622E+00	.2912E-01

SPECTRUM TABLE (PIPING BENCHMARK PROBLEM 323A

X-DIRECTION SPECTRUM

NUMBER OF PC1ATS = 6  
SCALE FACTOR = .10000E+01

INPUT PC1AT	PERIOD	SPECTRUM VALUE
1	.1000E-02	.5410E+02
2	.1250E+00	.8114E+02
3	.1250E+00	.6491E+03
4	.8990E+00	.6491E+03
5	.9000E+00	.1352E+03
6	.2000E+01	.2705E+02



# NODE DISPLACEMENTS/ROTATIONS

MODE NUMBER	MODE NUMBER	X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
----------------	----------------	-------------------	-------------------	-------------------	----------------	----------------	----------------

57	66	1	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.
		6	0.	0.	0.	0.	0.
		7	0.	0.	0.	0.	0.
		8	0.	0.	0.	0.	0.
		9	0.	0.	0.	0.	0.
		10	0.	0.	0.	0.	0.
		11	0.	0.	0.	0.	0.
		12	0.	0.	0.	0.	0.
		13	0.	0.	0.	0.	0.
		14	0.	0.	0.	0.	0.
		15	0.	0.	0.	0.	0.
		16	0.	0.	0.	0.	0.
		17	0.	0.	0.	0.	0.
		18	0.	0.	0.	0.	0.
		19	0.	0.	0.	0.	0.
		20	0.	0.	0.	0.	0.
		21	0.	0.	0.	0.	0.
		22	0.	0.	0.	0.	0.
		23	0.	0.	0.	0.	0.
		24	0.	0.	0.	0.	0.
		25	0.	0.	0.	0.	0.
		26	0.	0.	0.	0.	0.
		27	0.	0.	0.	0.	0.
		28	0.	0.	0.	0.	0.
		29	0.	0.	0.	0.	0.
		30	0.	0.	0.	0.	0.
		31	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SQRT. SUM OF SQ	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

56	65	1	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.
		6	0.	0.	0.	0.	0.
		7	0.	0.	0.	0.	0.
		8	0.	0.	0.	0.	0.
		9	0.	0.	0.	0.	0.
		10	0.	0.	0.	0.	0.
		11	0.	0.	0.	0.	0.
		12	0.	0.	0.	0.	0.
		13	0.	0.	0.	0.	0.
		14	0.	0.	0.	0.	0.
		15	0.	0.	0.	0.	0.
		16	0.	0.	0.	0.	0.
		17	0.	0.	0.	0.	0.
		18	0.	0.	0.	0.	0.
		19	0.	0.	0.	0.	0.
		20	0.	0.	0.	0.	0.
		21	0.	0.	0.	0.	0.
		22	0.	0.	0.	0.	0.



11	0.	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SORT. SUM OF SC	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

55 64

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SORT. SUM OF SC	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

54 63

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.





3  
4  
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26  
27  
28  
29  
30  
31

MAXIMUM VALUE  
ABSOLUTE SUM  
SORT, SUM OF SC  
CLSLY SP MODES

53 62

1  
2  
3  
4  
5  
6  
7  
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10  
11  
12  
13  
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25  
26  
27  
28  
29  
30  
31

MAXIMUM VALUE  
ABSOLUTE SUM  
SCR, SUM OF SC  
CLSLY SP MODES

52 61

1  
2  
3  
4  
5  
6



52 61

1	0.
2	0.
3	0.
4	0.
5	0.
6	0.
7	0.
8	0.
9	0.
10	0.
11	0.
12	0.
13	0.
14	0.
15	0.
16	0.
17	0.
18	0.
19	0.
20	0.
21	0.
22	0.
23	0.
24	0.
25	0.
26	0.
27	0.
28	0.
29	0.
30	0.
31	0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SGRT. SUM OF SG  
CLSLY SP MODES

51 60

1	0.
2	0.
3	0.
4	0.
5	0.
6	0.
7	0.
8	0.
9	0.
10	0.
11	0.
12	0.
13	0.
14	0.
15	0.
16	0.
17	0.
18	0.
19	0.
20	0.
21	0.
22	0.
23	0.
24	0.
25	0.
26	0.
27	0.
28	0.
29	0.
30	0.
31	0.

	MAXIMUM VALUE
ABSOLUTE SUM	100
SQRT. SUM OF SQ	100



25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SGRT.SUM OF SG	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

50 59

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SGRT.SUM OF SG	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

49 58

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.



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17  
18  
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27  
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29  
30  
31

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SQ  
CLS. Y SP MODES

48 57

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SQ  
CLS. Y SP MODES

47 56

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19





9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE 0.  
ABSOLUTE SUM 0.  
SORT. SUM OF SG 0.  
CLS LY SP MODES 0.

46 55

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE 0.  
ABSOLUTE SUM 0.  
SORT. SUM OF SG 0.  
CLS LY SP MODES 0.

45 54

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.



45 54

1	0.
2	0.
3	0.
4	0.
5	0.
6	0.
7	0.
8	0.
9	0.
10	0.
11	0.
12	0.
13	0.
14	0.
15	0.
16	0.
17	0.
18	0.
19	0.
20	0.
21	0.
22	0.
23	0.
24	0.
25	0.
26	0.
27	0.
28	0.
29	0.
30	0.
31	0.

MAXIMUM VALUE	0.
ABSOLUTE SUM	0.
SQRT. SUM OF SG	0.
CLS LY SP MODES	0.

45 53

1	0.
2	0.
3	0.
4	0.
5	0.
6	0.
7	0.
8	0.
9	0.
10	0.
11	0.
12	0.
13	0.
14	0.
15	0.
16	0.
17	0.
18	0.
19	0.
20	0.
21	0.
22	0.
23	0.
24	0.
25	0.
26	0.
27	0.
28	0.
29	0.
30	0.
31	0.

MAXIMUM VALUE	0.
ABSOLUTE SUM	0.
SQRT. SUM OF SG	0.
CLS LY SP MODES	0.

43 52

1	0.
2	0.
3	0.



MAXIMUM VALUE  
ABSOLUTE SUM  
SCRT. SUM OF SG  
CLS LY SP MODES

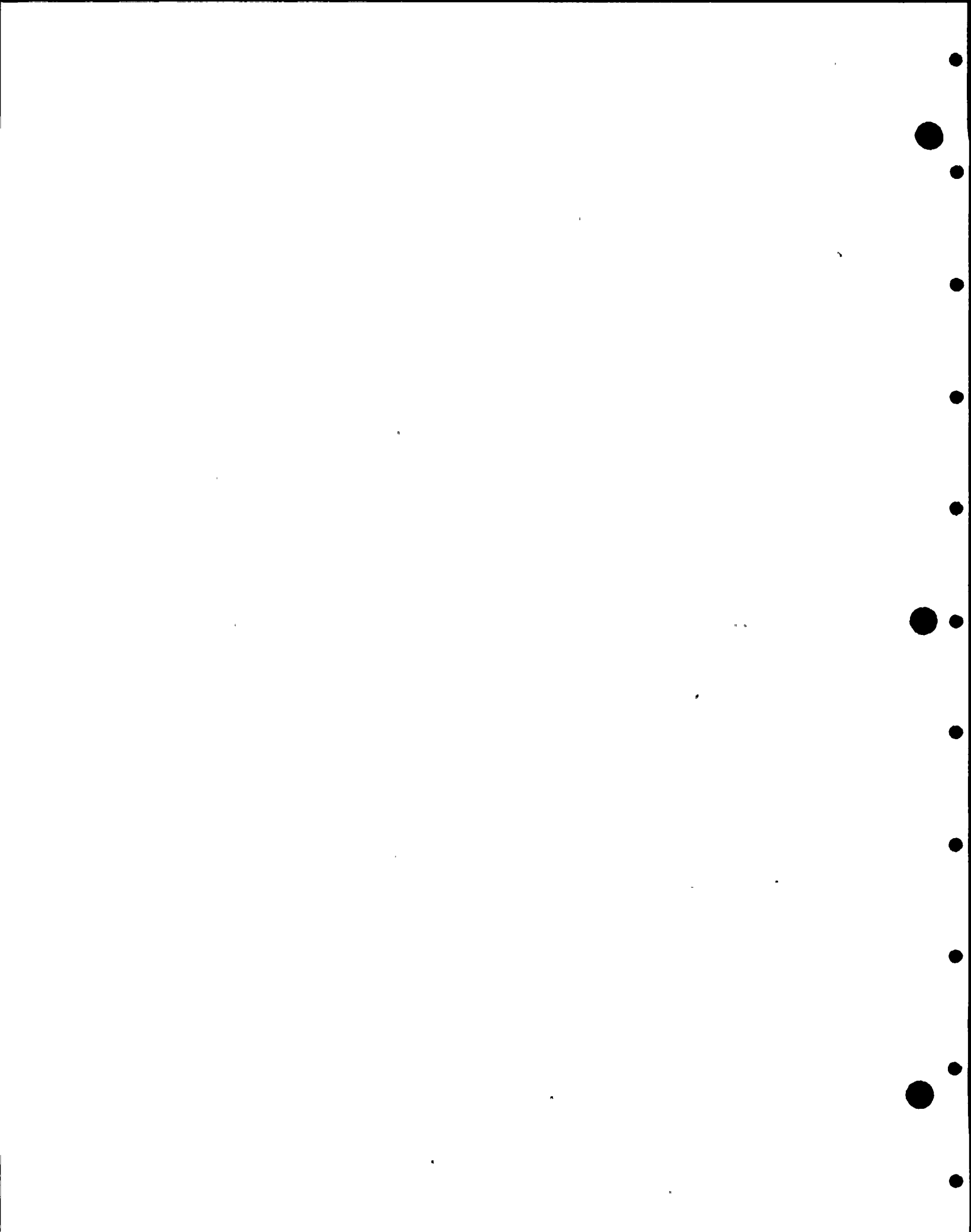
43 52

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SCRT. SUM OF SG  
CLS LY SP MODES

42 41

1	.88297E-07	-.11299E-05	.34035E-08	-.85734E-06	-.21371E-06	-.10389E-05
2	-.14247E-05	-.60396E-07	-.55678E-06	-.15523E-06	.79797E-06	.37892E-06
3	.42177E-08	.64785E-09	.89710E-09	-.69893E-09	-.19861E-08	-.87107E-09
4	-.30306E-08	.11216E-08	-.30828E-08	-.30586E-09	.27276E-08	.13010E-08
5	-.10642E-06	-.21880E-08	-.37686E-07	-.10281E-07	.45028E-07	.30456E-07
6	-.99911E-07	-.26398E-07	-.69879E-07	-.28514E-07	.54767E-07	.21001E-07
7	.10328E-06	.44254E-07	.13357E-06	.56801E-07	-.80849E-07	-.18397E-07
8	.89881E-07	-.16125E-06	-.52462E-07	-.65429E-07	-.59596E-08	-.71888E-07
9	.14274E-06	-.28842E-07	.18164E-06	.50328E-07	-.10890E-06	-.50980E-07
10	.13528E-07	-.52942E-08	.42668E-07	.13443E-07	-.16838E-07	-.58066E-08
11	-.11514E-11	.18944E-09	.31554E-09	.91673E-10	-.12152E-09	.50427E-10
12	-.99148E-08	-.69297E-08	.43929E-07	.12563E-07	-.14179E-07	.87273E-09
13	-.12462E-07	-.52019E-08	.39218E-07	.11663E-07	-.11853E-07	.19561E-08
14	-.22556E-06	-.22361E-07	.19956E-06	.56260E-07	-.39729E-07	.58346E-07
15	-.51695E-06	.37103E-07	.19082E-06	.46930E-07	-.10798E-07	.15732E-06
16	.69845E-10	-.60003E-11	-.26217E-10	-.66863E-11	.14615E-11	-.21410E-10
17	.33007E-07	.25636E-07	-.34327E-07	-.86743E-08	.60139E-08	-.37251E-08
18	-.85961E-07	-.67972E-08	.15030E-07	.13481E-08	.23819E-08	.23560E-07
19	.89815E-07	.14457E-07	-.23144E-07	-.32681E-08	-.60191E-09	-.23038E-07
20	-.54040E-10	.48016E-11	-.62794E-11	-.38782E-11	.50345E-11	.16926E-10
21	-.36911E-07	.10642E-07	-.24232E-07	-.94585E-08	.72687E-08	.13517E-07
22	-.50660E-08	.21984E-08	-.49568E-08	-.18445E-08	.13030E-08	.20399E-08
23	-.23718E-08	.36155E-08	-.12950E-07	-.44384E-08	.25680E-08	.16864E-08
24	.28177E-08	.20935E-08	-.25202E-09	.81075E-10	-.15113E-09	-.41090E-09
25	-.43340E-08	-.65854E-08	-.73658E-08	-.26600E-08	.17090E-08	.17849E-09
26	.17514E-07	.16641E-07	.11865E-07	.51542E-08	-.33880E-08	-.22296E-08
27	-.18152E-07	-.18110E-07	.93601E-09	-.86073E-09	.11421E-08	.18699E-08
28	-.24686E-07	-.20705E-07	.48388E-09	-.13485E-08	.15635E-08	.33441E-08
29	-.13023E-06	.10397E-06	.32467E-07	.39803E-08	.34982E-08	.17766E-07
30	.79927E-08	.77343E-08	-.65514E-09	.25733E-09	-.45209E-09	-.89189E-09
31	-.26685E-07	-.20071E-07	.15620E-07	.38802E-08	.64811E-09	.42893E-08



21	-.36411E-07	-.10842E-07	-.24232E-07	-.94585E-08	-.72687E-08	-.13517E-07
22	-.6660E-08	-.2034E-08	-.4950E-08	-.1844E-08	-.13030E-08	-.20399E-08
23	-.23718E-08	-.36155E-08	-.12950E-07	-.44381E-08	-.25680E-08	-.16864E-08
24	-.28177E-08	-.20935E-08	-.25202E-09	-.8107E-10	-.15113E-09	-.41090E-09
25	-.43340E-08	-.65854E-08	-.73658E-08	-.266E-08	-.17070E-08	-.17849E-09
26	-.17514E-07	-.16641E-07	-.11865E-07	-.51592E-08	-.33280E-08	-.22296E-08
27	-.18152E-07	-.18116E-07	-.93601E-07	-.86607E-09	-.11421E-08	-.18699E-08
28	-.24686E-07	-.20705E-07	-.48388E-09	-.13405E-08	-.15635E-08	-.33441E-08
29	-.13023E-06	-.10397E-06	-.32407E-07	-.39803E-08	-.34982E-08	-.17766E-07
30	-.79977E-08	-.77343E-08	-.65514E-09	-.25737E-09	-.45209E-09	-.89189E-09
31	-.26685E-07	-.20071E-07	-.15620E-07	-.38802E-08	-.64811E-09	-.42893E-08

MAXIMUM VALUE	-.14247E-05	-.11299E-05	-.55678E-06	-.85731E-06	-.79797E-06	-.10389E-05
ABSOLUTE SUM	-.33286E-05	-.18114E-05	-.17404E-05	-.14137E-05	-.14381E-05	-.19356E-05
SGRT. SUM OF SQ	-.15664E-05	-.11524E-05	-.67503E-06	-.88102E-06	-.84164E-06	-.11235E-05
CLS LY SP MODES	-.15974E-05	-.11673E-05	-.71454E-06	-.69102E-06	-.84862E-06	-.11289E-05

41 40	1	-.11749E-06	-.11402E-05	-.17089E-07	-.86377E-06	-.21580E-06	-.10467E-05
	2	-.15011E-05	-.31126E-07	-.58679E-06	-.15637E-06	-.80575E-06	-.38176E-06
	3	-.44324E-08	-.65373E-09	-.92264E-09	-.70417E-09	-.20054E-08	-.87760E-09
	4	-.32050E-08	-.11318E-08	-.32356E-08	-.30813E-09	-.27542E-08	-.13108E-08
	5	-.11217E-06	-.22078E-08	-.39712E-07	-.10353E-07	-.45468E-07	-.30684E-07
	6	-.10513E-06	-.26638E-07	-.73864E-07	-.28723E-07	-.55301E-07	-.21158E-07
	7	-.10860E-06	-.44656E-07	-.14124E-06	-.57224E-07	-.81637E-07	-.18534E-07
	8	-.95854E-07	-.16271E-06	-.56514E-07	-.65923E-07	-.60177E-08	-.72428E-07
	9	-.15071E-06	-.29104E-07	-.19142E-06	-.50703E-07	-.10996E-06	-.51363E-07
	10	-.14306E-07	-.53422E-06	-.45215E-07	-.13547E-07	-.17003E-07	-.58502E-08
	11	-.90289E-14	-.19116E-09	-.33264E-09	-.92361E-10	-.12271E-09	-.50806E-10
	12	-.10404E-07	-.46927E-08	-.46304E-07	-.12657E-07	-.14317E-07	-.87927E-09
	13	-.13097E-07	-.52491E-08	-.41350E-07	-.11751E-07	-.11908E-07	-.19708E-08
	14	-.23761E-06	-.22564E-07	-.21033E-06	-.56683E-07	-.40116E-07	-.58784E-07
	15	-.54513E-06	-.37420E-07	-.20095E-06	-.47282E-07	-.10904E-07	-.15850E-06
	16	-.73656E-10	-.60547E-11	-.27615E-10	-.67366E-11	-.14758E-11	-.21571E-10
	17	-.34655E-07	-.25868E-07	-.36156E-07	-.87399E-08	-.60726E-08	-.37530E-08
	18	-.90584E-07	-.68589E-08	-.15772E-07	-.13582E-08	-.24051E-08	-.23737E-07
	19	-.94608E-07	-.14582E-07	-.24315E-07	-.32926E-08	-.60778E-09	-.23211E-07
	20	-.57039E-10	-.48452E-11	-.66691E-11	-.39073E-11	-.50837E-11	-.17053E-10
	21	-.38779E-07	-.10739E-07	-.25603E-07	-.95295E-08	-.73397E-08	-.13619E-07
	22	-.53541E-08	-.22184E-08	-.52352E-08	-.18583E-08	-.13157E-08	-.20552E-08
	23	-.25244E-08	-.36483E-08	-.13668E-07	-.44717E-08	-.25931E-08	-.16990E-08
	24	-.29605E-08	-.21125E-08	-.26196E-09	-.81684E-10	-.15260E-09	-.41398E-09
	25	-.45428E-08	-.66452E-08	-.77824E-08	-.28875E-08	-.17250E-08	-.17983E-09
	26	-.18394E-07	-.16792E-07	-.12549E-07	-.51979E-08	-.34211E-08	-.22463E-08
	27	-.19053E-07	-.18275E-07	-.95316E-09	-.86721E-09	-.11532E-08	-.18839E-08
	28	-.25931E-07	-.20893E-07	-.47423E-09	-.13586E-08	-.15788E-08	-.33692E-08
	29	-.13681E-06	-.10491E-06	-.34094E-07	-.40102E-08	-.35324E-08	-.17899E-07
	30	-.83914E-08	-.78045E-08	-.67485E-09	-.25932E-09	-.45050E-09	-.89858E-09
	31	-.30142E-07	-.20253E-07	-.16451E-07	-.39093E-08	-.65444E-09	-.43214E-08

MAXIMUM VALUE	-.15011E-05	-.11402E-05	-.58679E-06	-.86377E-06	-.80575E-06	-.10467E-05
ABSOLUTE SUM	-.35323E-05	-.18278E-05	-.18493E-05	-.14240E-05	-.14521E-05	-.19501E-05
SGRT. SUM OF SQ	-.16521E-05	-.11624E-05	-.71178E-06	-.86763E-06	-.86925E-06	-.11319E-05
CLS LY SP MODES	-.16849E-05	-.11778E-05	-.75616E-06	-.89769E-06	-.85690E-06	-.11374E-05

40 39	1	-.35091E-02	-.71867E-02	-.28344E-02	-.11885E-03	-.33103E-05	-.20154E-03
	2	-.14316E-02	-.37696E-03	-.25755E-02	-.44593E-04	-.68290E-04	-.12619E-04
	3	-.26920E-05	-.18767E-05	-.17673E-05	-.12968E-07	-.11874E-06	-.19290E-07
	4	-.54503E-05	-.39513E-05	-.68839E-05	-.78247E-07	-.19659E-06	-.12281E-06
	5	-.97836E-04	-.39853E-04	-.14275E-03	-.24617E-05	-.30399E-05	-.98375E-06
	6	-.81013E-04	-.17977E-04	-.21933E-03	-.41643E-05	-.41603E-05	-.14636E-06
	7	-.98356E-04	-.57814E-04	-.36154E-03	-.68931E-05	-.60531E-05	-.22175E-06
	8	-.18389E-03	-.33576E-03	-.20722E-03	-.58832E-05	-.60655E-06	-.57727E-05
	9	-.20427E-03	-.80694E-04	-.37728E-03	-.60143E-05	-.70510E-05	-.33323E-05
	10	-.27574E-04	-.58156E-05	-.68594E-04	-.11231E-05	-.84412E-06	-.52125E-06
	11	-.54702E-07	-.24841E-06	-.43965E-06	-.64023E-08	-.51949E-08	-.18633E-08
	12	-.12799E-04	-.20485E-05	-.57226E-04	-.83251E-06	-.60699E-06	-.45094E-06
	13	-.85748E-05	-.45376E-05	-.50768E-04	-.75023E-06	-.53557E-06	-.37646E-06
	14	-.64183E-04	-.91852E-04	-.19309E-03	-.22493E-05	-.15440E-05	-.13004E-05
	15	-.28458E-03	-.25571E-03	-.88552E-04	-.53885E-06	-.35760E-06	-.36084E-06
	16	-.38844E-07	-.35469E-07	-.12959E-07	-.49931E-10	-.45801E-10	-.54270E-10
	17	-.42931E-05	-.48425E-05	-.27942E-04	-.32343E-06	-.14178E-06	-.47425E-06
	18	-.43129E-04	-.28117E-04	-.82489E-05	-.47887E-06	-.29727E-07	-.12318E-07
	19	-.39126E-04	-.24328E-04	-.13262E-05	-.38895E-06	-.76747E-08	-.13889E-06
	20	-.35860E-07	-.22799E-07	-.21967E-07	-.57813E-09	-.65210E-10	-.18762E-09
	21	-.33108E-04	-.18359E-04	-.37396E-04	-.79101E-06	-.55858E-07	-.33235E-06
	22	-.53050E-05	-.28470E-05	-.09038E-05	-.13997E-06	-.74687E-08	-.62915E-07
	23	-.60005E-05	-.17574E-05	-.14450E-04	-.25035E-06	-.10141E-07	-.11754E-06
	24	-.43629E-06	-.39760E-06	-.58968E-06	-.16293E-07	-.63330E-09	-.12994E-07





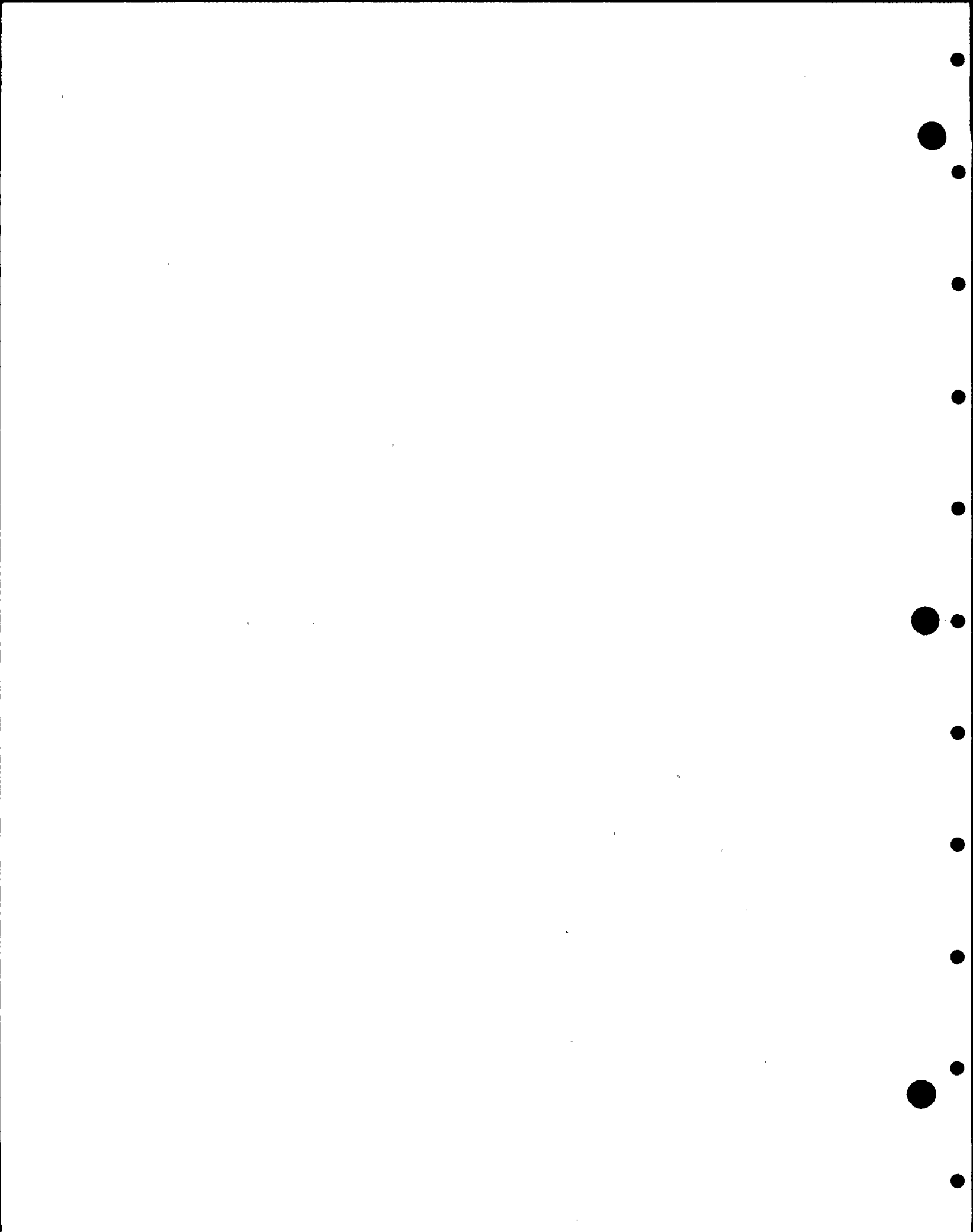
13	-.8374E-04	-.8374E-04	-.8374E-04	-.8374E-04	-.8374E-04	-.8374E-04
14	-.183E-04	-.52E-04	-.193E-03	-.2249E-05	-.15440E-05	-.13004E-05
15	-.28458E-03	-.25571E-03	-.88552E-04	-.53886E-06	-.35760E-06	-.36084E-06
16	-.38844E-07	-.35466E-07	-.12959E-07	-.499E-10	-.45801E-10	-.54270E-10
17	-.42931E-05	-.48425E-05	-.27942E-04	-.323E-06	-.14178E-06	-.47425E-06
18	-.43129E-04	-.28117E-04	-.82489E-05	-.478E-06	-.29727E-07	-.12318E-07
19	-.39126E-04	-.24324E-04	-.13202E-05	-.38895E-06	-.76747E-08	-.13889E-08
20	-.35860E-07	-.22796E-07	-.21967E-07	-.57816E-09	-.65216E-10	-.18762E-09
21	-.33108E-04	-.18354E-04	-.37396E-04	-.79101E-06	-.55858E-07	-.33235E-06
22	-.53050E-05	-.28426E-05	-.69038E-05	-.13997E-06	-.74687E-08	-.62915E-07
23	-.60095E-05	-.17574E-05	-.14450E-04	-.25835E-06	-.10141E-07	-.11754E-06
24	-.43629E-06	-.39760E-06	-.58968E-06	-.16290E-07	-.63336E-09	-.12994E-07
25	-.48380E-06	-.36973E-05	-.92415E-05	-.15427E-06	-.16614E-07	-.12279E-07
26	-.36008E-05	-.60366E-05	-.17584E-04	-.31849E-06	-.40838E-07	-.22768E-08
27	-.79936E-06	-.51519E-05	-.46078E-05	-.10248E-06	-.10041E-07	-.91005E-07
28	-.33607E-05	-.43108E-05	-.67125E-05	-.15611E-06	-.21405E-07	-.87301E-07
29	-.14514E-04	-.15417E-04	-.30626E-05	-.26732E-06	-.34089E-08	-.63094E-06
30	-.52126E-06	-.18484E-05	-.16170E-05	-.36131E-07	-.53359E-08	-.33399E-07
31	-.33107E-05	-.27471E-06	-.79050E-05	-.78823E-07	-.39010E-07	-.16657E-06

MAXIMUM VALUE	.35691E-02	.71867E-02	.28344E-02	.11885E-03	.68290E-04	.20154E-03
ABSOLUTE SUM	.62391E-02	.85792E-02	.73330E-02	.19795E-03	.97551E-04	.22994E-03
SQRT. SUM OF SC	.38704E-02	.72105E-02	.38872E-02	.1275E-03	.69242E-04	.20205E-03
CLS LY SP MODES	.38876E-02	.72173E-02	.39477E-02	.12835E-03	.69734E-04	.20216E-03

39 38	1	-.35489E-02	-.17361E-01	-.26978E-02	-.13192E-03	-.34641E-07	-.20573E-03
	2	-.24648E-02	-.19458E-03	-.55075E-02	-.41761E-04	-.70713E-04	-.86359E-05
	3	-.45700E-05	-.26958E-05	-.70110E-05	-.41363E-07	-.12760E-06	-.62057E-08
	4	-.84078E-05	-.78172E-05	-.15366E-04	-.58513E-07	-.19890E-06	-.10767E-06
	5	-.15015E-03	-.40302E-04	-.28764E-03	-.22781E-05	-.34102E-05	-.68384E-06
	6	-.14315E-03	-.75135E-04	-.39569E-03	-.39611E-05	-.39725E-05	-.17980E-10
	7	-.18736E-03	-.14928E-03	-.61690E-03	-.66077E-05	-.56099E-05	-.19600E-06
	8	-.17674E-03	-.64878E-03	-.22797E-03	-.61473E-05	-.26791E-06	-.45069E-05
	9	-.30866E-03	-.12747E-03	-.67609E-03	-.54063E-05	-.64222E-05	-.27282E-05
	10	-.39583E-04	-.11230E-04	-.10353E-03	-.10133E-05	-.61737E-06	-.44890E-06
	11	-.18826E-07	-.40188E-06	-.65892E-06	-.44961E-08	-.38543E-08	-.78753E-09
	12	-.21603E-04	-.59043E-05	-.84132E-04	-.70533E-06	-.45067E-06	-.42803E-06
	13	-.15736E-04	-.16310E-05	-.72955E-04	-.64351E-06	-.35988E-06	-.37553E-06
	14	-.47306E-04	-.53935E-04	-.25788E-03	-.16631E-05	-.90258E-06	-.17771E-05
	15	-.24438E-03	-.22678E-03	-.10878E-03	-.14167E-05	-.44553E-06	-.13349E-05
	16	-.39412E-07	-.32052E-07	-.15543E-07	-.16921E-09	-.47562E-10	-.18308E-09
	17	-.53211E-05	-.21134E-04	-.33506E-04	-.28837E-06	-.46161E-06	-.38292E-06
	18	-.44777E-04	-.15754E-04	-.81429E-05	-.54843E-06	-.88145E-07	-.20090E-06
	19	-.40405E-04	-.80326E-05	-.20472E-06	-.46421E-06	-.82320E-07	-.28145E-06
	20	-.37279E-07	-.18977E-07	-.23304E-07	-.60743E-09	-.11945E-09	-.37082E-11
	21	-.33816E-04	-.18538E-04	-.37921E-04	-.79407E-06	-.22156E-06	-.15810E-06
	22	-.53642E-05	-.31258E-05	-.68956E-05	-.13932E-06	-.43123E-07	-.33945E-07
	23	-.56037E-05	-.28523E-05	-.13410E-04	-.24227E-06	-.11596E-06	-.86882E-07
	24	-.46598E-06	-.12176E-05	-.52007E-06	-.11322E-07	-.58573E-08	-.51840E-08
	25	-.14593E-06	-.51020E-05	-.81040E-05	-.11671E-06	-.83722E-07	-.51732E-07
	26	-.29703E-05	-.10473E-04	-.15033E-04	-.24271E-06	-.17754E-06	-.77859E-07
	27	-.89688E-06	-.10393E-04	-.39000E-05	-.52399E-07	-.48345E-07	-.40589E-08
	28	-.33514E-05	-.10380E-04	-.53522E-05	-.10023E-06	-.18185E-07	-.21449E-08
	29	-.16844E-04	-.47480E-04	-.22410E-05	-.44863E-07	-.71139E-07	-.21056E-06
	30	-.55611E-06	-.37642E-05	-.12773E-05	-.14851E-07	-.26401E-07	-.34717E-08
	31	-.45630E-05	-.68520E-05	-.60963E-05	-.98719E-07	-.70492E-07	-.96852E-07

MAXIMUM VALUE	.35489E-02	.17361E-01	.55095E-02	.13192E-03	.70713E-04	.20573E-03
ABSOLUTE SUM	.75726E-02	.19072E-01	.11407E-01	.20679E-03	.94632E-04	.22855E-03
SQRT. SUM OF SC	.43533E-02	.17377E-01	.63235E-02	.13888E-03	.71431E-04	.20599E-03
CLS LY SP MODES	.43826E-02	.17388E-01	.64099E-02	.13961E-03	.71800E-04	.20600E-03

38 37	1	-.36398E-02	-.38400E-01	-.26350E-02	-.15160E-03	-.57153E-05	-.19376E-03
	2	-.44311E-02	-.48958E-03	-.11086E-01	-.35326E-04	-.56490E-04	-.23746E-05
	3	-.82305E-05	-.45560E-05	-.17229E-04	-.10539E-06	-.10329E-06	-.33838E-08
	4	-.13000E-04	-.13897E-04	-.30255E-04	-.23174E-07	-.13622E-06	-.62060E-07
	5	-.23897E-03	-.14115E-04	-.53782E-03	-.18656E-05	-.22036E-05	-.17638E-06
	6	-.23935E-03	-.18185E-03	-.46677E-03	-.33946E-05	-.21267E-05	-.14093E-06
	7	-.31431E-03	-.29557E-03	-.97881E-03	-.58031E-05	-.25003E-05	-.78443E-06
	8	-.18507E-03	-.10305E-02	-.21693E-03	-.59927E-05	-.50574E-06	-.10303E-06
	9	-.44594E-03	-.15495E-03	-.10675E-02	-.42630E-05	-.22551E-05	-.12161E-05
	10	-.45009E-04	-.114430E-04	-.11957E-03	-.60969E-06	-.30121E-06	-.24098E-06
	11	-.50553E-07	-.37433E-04	-.75440E-06	-.82784E-10	-.22071E-08	-.33875E-08
	12	-.23586E-04	-.19572E-04	-.92308E-04	-.48522E-06	-.28664E-06	-.26439E-06
	13	-.16403E-04	-.14552E-04	-.77306E-04	-.46114E-06	-.27637E-06	-.26929E-06
	14	-.59441E-04	-.82903E-04	-.24676E-03	-.78248E-06	-.11341E-05	-.18222E-05
	15	-.28020E-03	-.75758E-04	-.14545E-03	-.26893E-04	-.31955E-06	-.32851E-05
	16	-.39876E-07	-.93576E-08	-.19369E-07	-.34290E-09	-.24200E-10	-.46441E-09



6	.935E-03	.85E-03	.6E-03	.339E-05	.2167E-05	.14093E-05
7	.31431E-03	.2557E-03	.97891E-03	.5803E-05	.25003E-05	.78443E-06
8	.18507E-03	.10305E-02	.21693E-03	.5992E-05	.50574E-06	.10303E-06
9	.44594E-03	.15495E-03	.10675E-02	.426E-05	.22551E-05	.12161E-05
10	.45009E-04	.14430E-04	.11957E-03	.6098E-06	.30121E-06	.24098E-06
11	.56553E-07	.37433E-06	.75440E-06	.82784E-10	.22071E-08	.33875E-08
12	.23586E-04	.19572E-04	.92308E-04	.48522E-06	.28664E-06	.26439E-06
13	.16403E-04	.14552E-04	.77306E-04	.46114E-06	.27637E-06	.26929E-06
14	.59441E-04	.82903E-04	.24676E-03	.78248E-06	.11341E-05	.18222E-05
15	.24920E-03	.75758E-04	.14545E-03	.26893E-05	.31955E-06	.32851E-05
16	.39876E-07	.93576E-08	.19369E-07	.34290E-09	.24200E-10	.46441E-09
17	.19382E-05	.27794E-04	.16546E-04	.31074E-06	.32274E-06	.77506E-07
18	.39087E-04	.26452E-04	.11912E-04	.55677E-06	.29235E-06	.19768E-06
19	.37456E-04	.32177E-04	.14876E-04	.46606E-06	.19529E-06	.13091E-06
20	.27849E-07	.11727E-07	.60484E-08	.59156E-09	.42466E-09	.15219E-09
21	.17924E-04	.58275E-05	.83035E-05	.75427E-06	.61820E-06	.64579E-07
22	.23826E-05	.64132E-06	.16649E-05	.13203E-06	.11060E-06	.81011E-08
23	.11543E-05	.28811E-06	.57801E-05	.20935E-06	.20739E-06	.24155E-07
24	.20393E-06	.56665E-06	.49491E-06	.19553E-08	.11044E-07	.19830E-07
25	.40160E-05	.11051E-05	.48082E-05	.51191E-07	.12962E-06	.99545E-07
26	.54040E-05	.91270E-06	.11388E-04	.10025E-06	.23383E-06	.20550E-06
27	.10082E-05	.11196E-06	.37924E-05	.44317E-07	.75612E-07	.15713E-06
28	.55133E-07	.20568E-06	.04387E-05	.85794E-08	.86177E-07	.16910E-06
29	.15461E-04	.20057E-05	.11594E-04	.41663E-06	.11166E-06	.66776E-06
30	.16990E-06	.97160E-06	.16976E-05	.18975E-07	.19930E-07	.50697E-07
31	.86569E-05	.90313E-06	.44645E-05	.14877E-06	.48246E-07	.72925E-07

	MAXIMUM VALUE	ABSOLUTE SUM	SGRT SUM OF SG	CLS LY SP MODES
	.44311E-02	.38400E-01	.11086E-01	.15160E-03
	.10085E-01	.40893E-01	.18022E-01	.21683E-03
	.57813E-02	.38419E-01	.11526E-01	.15603E-03
	.58194E-02	.38433E-01	.11622E-01	.15655E-03

37	.37079E-02	.45643E-01	.24365E-02	.15673E-03	.72830E-05	.18394E-03
38	.49856E-02	.79829E-03	.12650E-01	.32811E-04	.46141E-04	.75771E-06
39	.92591E-05	.56270E-05	.20073E-04	.13047E-06	.83265E-07	.51276E-09
40	.14852E-04	.15288E-04	.33830E-04	.11347E-07	.97720E-07	.43430E-07
41	.25954E-03	.14685E-05	.59418E-03	.17027E-05	.15195E-05	.39850E-07
42	.25754E-03	.20955E-03	.71670E-03	.31559E-05	.11902E-05	.29622E-06
43	.33326E-03	.32539E-03	.10314E-02	.54727E-05	.10285E-05	.11193E-05
44	.19237E-03	.10588E-02	.19777E-03	.58343E-05	.72686E-06	.20498E-05
45	.45585E-03	.14082E-03	.11055E-02	.38577E-05	.30122E-06	.66358E-06
46	.39860E-04	.12430E-04	.10473E-03	.73927E-06	.65109E-06	.15966E-06
47	.14414E-07	.23806E-06	.64948E-06	.17873E-08	.46756E-08	.50761E-08
48	.18767E-04	.21681E-04	.79179E-04	.41575E-06	.54200E-06	.17920E-06
49	.11947E-04	.17322E-04	.65159E-04	.40581E-06	.49087E-06	.20327E-06
50	.77646E-04	.12810E-03	.20134E-03	.58523E-06	.16992E-05	.14972E-05
51	.28958E-03	.20806E-03	.15488E-03	.28587E-05	.26056E-06	.31515E-05
52	.40124E-07	.27725E-07	.20018E-07	.36517E-09	.13139E-10	.44937E-09
53	.62288E-05	.19117E-04	.55118E-05	.32723E-06	.35457E-06	.26675E-06
54	.36804E-04	.36646E-04	.21520E-04	.50947E-06	.29498E-06	.50550E-07
55	.35813E-04	.38551E-04	.21190E-04	.41830E-06	.19047E-06	.63361E-07
56	.23185E-07	.22194E-07	.19798E-07	.54652E-09	.40823E-09	.93622E-10
57	.11122E-04	.15886E-04	.27687E-04	.70668E-06	.54936E-06	.47317E-07
58	.11722E-05	.23411E-05	.50859E-05	.12414E-06	.94554E-07	.76876E-08
59	.32533E-05	.13899E-05	.11700E-04	.19310E-06	.13922E-06	.14752E-07
60	.11168E-06	.20508E-06	.84260E-06	.54009E-08	.90226E-08	.24993E-07
61	.50975E-05	.36577E-05	.83485E-05	.40602E-07	.80778E-07	.79375E-07
62	.71751E-05	.64848E-05	.17342E-04	.74932E-07	.10680E-06	.17677E-06
63	.14633E-05	.58809E-05	.58754E-05	.54283E-07	.49696E-07	.14329E-06
64	.36865E-06	.59644E-05	.83623E-05	.19922E-07	.15457E-07	.14877E-06
65	.15319E-04	.25632E-04	.14605E-04	.45739E-06	.42471E-07	.62114E-06
66	.21313E-06	.27034E-05	.20983E-05	.17839E-07	.15739E-08	.29165E-07
67	.85077E-05	.35414E-05	.47564E-05	.14605E-06	.37510E-07	.73757E-07

	MAXIMUM VALUE	ABSOLUTE SUM	SGRT SUM OF SG	CLS LY SP MODES
	.49856E-02	.45643E-01	.12650E-01	.15673E-03
	.10791E-01	.48755E-01	.19547E-01	.21781E-03
	.62605E-02	.45665E-01	.13009E-01	.16047E-03
	.62994E-02	.45677E-01	.13101E-01	.16091E-03

36	.28358E-02	.51620E-01	.16427E-03	.21146E-03	.10713E-04	.94349E-05
37	.10379E-01	.78284E-03	.65603E-02	.13797E-04	.83172E-04	.12173E-04
38	.13936E-04	.10095E-04	.14388E-04	.25411E-06	.59490E-08	.28556E-06
39	.33909E-04	.57333E-05	.66759E-05	.50033E-07	.32012E-06	.67813E-07
40	.36011E-03	.35520E-04	.36946E-03	.59380E-06	.12527E-05	.72420E-06
41	.37597E-03	.66302E-04	.36720E-03	.78893E-06	.16539E-05	.77006E-06
42	.50744E-03	.22242E-03	.44092E-03	.14645E-05	.21008E-05	.63157E-06
43	.13601E-03	.80382E-03	.36173E-05	.28898E-06	.75661E-06	.84226E-05



ABSOLUTE SUM		SQRT SUM OF SC		CLS LY SP MODES			
35	1	.28358E-02	-.51620E-01	-.16427E-03	-.2114E-03	-.10713E-04	-.94349E-05
	2	-.10379E-01	-.78284E-03	-.65603E-02	-.13797E-04	-.83172E-04	-.12173E-04
	3	.13936E-04	-.10095E-04	.14386E-04	-.25411E-06	-.59490E-08	-.28556E-06
	4	-.33909E-04	.57333E-05	-.66759E-05	.50433E-07	-.32012E-06	-.67813E-07
	5	-.36011E-03	-.35520E-04	-.36976E-03	-.59381E-06	.12527E-05	-.72420E-06
	6	-.37597E-03	.66342E-04	-.36726E-03	-.76893E-06	.16539E-05	.77006E-06
	7	.50744E-03	-.22242E-03	.44092E-03	.14645E-05	-.21008E-05	-.63157E-06
	8	.13601E-03	.80382E-03	-.36173E-05	.28898E-06	-.75061E-06	.84226E-05
	9	.65152E-03	.71431E-04	.30194E-03	.14057E-05	-.32081E-05	.30084E-05
	10	.91584E-04	.62142E-05	-.12371E-03	.27253E-06	-.18086E-06	.46743E-06
	11	.69488E-06	-.14141E-05	-.14126E-05	-.17550E-07	.42652E-08	-.15766E-07
	12	.21411E-04	.62463E-05	-.41533E-04	.42927E-07	-.63894E-06	.29514E-06
	13	.12849E-04	-.10029E-05	-.36885E-04	.63328E-07	-.53861E-06	.32447E-06
	14	-.15821E-03	-.18117E-04	.43450E-04	-.41454E-06	-.15611E-05	.17015E-05
	15	-.25570E-03	-.14419E-03	.16217E-03	-.39626E-05	.28216E-05	.13357E-05
	16	.31791E-07	.21335E-07	-.12044E-07	.53603E-09	-.40061E-09	-.22458E-09
	17	.32265E-04	-.32386E-04	-.13607E-04	-.11782E-05	.13854E-06	-.12770E-07
	18	-.14116E-04	.39382E-04	.16874E-04	.54773E-06	.59083E-06	-.62984E-07
	19	.20999E-04	-.60280E-04	-.19411E-04	-.83111E-06	-.53163E-06	.97606E-07
	20	.10335E-07	.16733E-07	-.46956E-08	.14341E-09	.37990E-09	-.39010E-10
	21	.26794E-04	.92396E-05	-.13556E-04	-.84148E-07	.89636E-07	-.21128E-06
	22	.52719E-05	.98325E-06	-.35150E-05	-.27742E-07	-.11132E-07	-.39677E-07
	23	.91790E-05	.88958E-06	-.10982E-04	-.44356E-07	-.23338E-06	-.69690E-07
	24	.49453E-06	-.19983E-05	-.19027E-05	-.56147E-07	-.14906E-07	.21609E-07
	25	-.10853E-05	-.15642E-05	.11406E-04	-.43029E-07	-.29771E-07	-.45173E-07
	26	.20704E-05	.33062E-06	-.28643E-05	.25390E-08	.22649E-06	.10897E-06
	27	-.49896E-05	.12771E-06	.16637E-04	.34716E-07	.14689E-06	-.69731E-07
	28	-.35814E-05	-.11093E-05	-.49080E-05	-.21732E-07	-.12014E-06	-.75382E-07
	29	-.12226E-04	-.80386E-06	-.25677E-05	.23412E-06	.20162E-06	-.12416E-06
	30	.17948E-05	.37638E-05	-.89962E-06	.12413E-06	-.61366E-08	-.38700E-07
	31	.47786E-05	-.08262E-06	.57699E-06	.35728E-07	.15365E-06	.15852E-07

MAXIMUM VALUE		ABSOLUTE SUM		SQRT SUM OF SC		CLS LY SP MODES	
	1	.10379E-01	.51620E-01	.65603E-02	.21146E-03	.03172E-04	.12173E-04
	2	.15974E-01	.53978E-01	.87577E-02	.23815E-03	.11142E-03	.40652E-04
	3	.10809E-01	.51633E-01	.66083E-02	.21197E-03	.84048E-04	.17999E-04
	4	.10843E-01	.51638E-01	.66339E-02	.21193E-03	.84152E-04	.19665E-04

35 51		0.		0.		0.		0.		0.		0.	
1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	

MAXIMUM VALUE		ABSOLUTE SUM		SQRT SUM OF SC		CLS LY SP MODES	
	0.	0.	0.	0.	0.	0.	0.
	0.	0.	0.	0.	0.	0.	0.
	0.	0.	0.	0.	0.	0.	0.
	0.	0.	0.	0.	0.	0.	0.



27 0. 0. 0. 0. 0. 0.  
28 0. 0. 0. 0. 0. 0.  
29 0. 0. 0. 0. 0. 0.  
30 0. 0. 0. 0. 0. 0.  
31 0. 0. 0. 0. 0. 0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT SUM OF SC  
CLS LY SP MCDES

0. 0. 0. 0. 0. 0.  
0. 0. 0. 0. 0. 0.  
0. 0. 0. 0. 0. 0.  
0. 0. 0. 0. 0. 0.

3a 3a

1	.23586E+02	-.41042E-01	.14124E-03	-.21057E-03	-.78570E-05	.12124E-04
2	-.14377E-01	-.55307E-03	-.40094E-02	-.10938E-04	-.73790E-04	-.11633E-04
3	.12368E-04	-.70699E-05	.15369E-04	-.27323E-04	-.77716E-07	-.37333E-06
4	-.49806E-04	.12197E-05	.35423E-05	.44319E-07	-.33216E-06	-.53296E-07
5	-.25515E-03	-.31309E-04	-.43473E-03	-.45533E-06	.34753E-05	-.61288E-06
6	-.24215E-03	.11450E-03	-.44955E-03	-.20554E-06	.41796E-05	.71078E-06
7	.33353E-03	-.28143E-03	.54620E-03	.50589E-06	-.52572E-05	-.79649E-07
8	.99718E-04	.97271E-03	.20145E-04	.25354E-05	-.69923E-06	.67970E-05
9	.40481E-03	.98542E-04	.45144E-03	.12819E-05	-.67645E-05	.27807E-05
10	.69412E-04	.84907E-05	-.11010E-03	.23150E-06	-.41848E-06	.45100E-06
11	.81609E-06	-.95746E-06	-.14864E-05	-.19133E-07	.32551E-08	-.18158E-07
12	-.18280E-04	.13076E-04	-.17082E-04	.28743E-07	-.79220E-06	.22306E-06
13	-.20216E-04	.66041E-05	-.16496E-04	.53078E-07	-.64882E-06	.30088E-06
14	-.23205E-03	.56110E-04	.87036E-04	-.24721E-06	-.13107E-05	.16816E-05
15	-.81233E-04	.10144E-03	.49360E-04	-.33931E-05	.34004E-05	.15275E-05
16	.78016E-08	-.13716E-07	.32532E-08	.45773E-09	-.47943E-09	-.26845E-09
17	.33787E-04	.73046E-05	-.14051E-04	-.12011E-05	-.35972E-07	.21622E-06
18	.17935E-04	-.10734E-05	-.36571E-05	.69674E-06	.57058E-06	-.24342E-06
19	-.94457E-05	-.16512E-05	.23172E-06	-.93595E-06	-.55920E-06	.32701E-06
20	.25994E-07	.24720E-08	-.14367E-07	.24956E-09	.22739E-09	-.93208E-10
21	.22204E-04	.19493E-05	-.10819E-04	.11393E-07	-.16255E-06	-.26402E-06
22	.29459E-05	.41590E-06	-.19766E-05	-.11749E-07	-.57715E-07	-.47214E-07
23	-.68239E-05	.54600E-07	-.67720E-06	-.29502E-07	-.29298E-06	-.69521E-07
24	-.55942E-06	.19792E-05	-.11182E-05	-.47401E-07	-.18078E-07	.25789E-07
25	-.11693E-05	-.15336E-06	.10419E-04	-.47669E-07	.37986E-08	-.31200E-07
26	.13088E-04	.30802E-05	-.89385E-05	.22701E-07	.15741E-06	.86845E-07
27	.61208E-05	-.31786E-05	.62516E-05	.18353E-08	.19140E-06	-.60539E-07
28	-.93666E-05	-.14181E-05	-.11366E-05	-.45773E-07	-.70155E-07	-.65023E-07
29	.10871E-05	-.12282E-04	-.10783E-04	.80863E-07	.23867E-06	-.45491E-07
30	.66438E-06	-.54061E-05	-.32317E-07	.10550E-06	-.25341E-07	-.52013E-07
31	.10166E-04	-.82586E-06	-.24961E-05	.97090E-08	.42824E-07	.22210E-07

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT SUM OF SC  
CLS LY SP MCDES

.14377E-01 .41042E-01 .40094E-02 .21057E-03 .73790E-04 .12124E-04  
.18691E-01 .43329E-01 .64278E-02 .23403E-03 .11150E-03 .40925E-04  
.14585E-01 .41058E-01 .41247E-02 .21091E-03 .75007E-04 .18523E-04  
.14597E-01 .41068E-01 .41891E-02 .21091E-03 .75439E-04 .19563E-04

33 33

1	.20944E-02	-.29652E-01	.29833E-03	-.20017E-03	-.50291E-05	.28453E-04
2	-.17814E-01	-.36023E-03	-.22189E-02	-.84281E-05	-.53365E-04	-.10941E-04
3	.59969E-05	-.41207E-05	.18855E-04	-.26773E-06	-.14716E-06	-.47714E-06
4	-.67328E-04	-.18662E-05	.13012E-04	.20953E-07	-.29327E-06	-.28070E-07
5	-.55777E-05	-.25584E-04	-.56881E-03	-.35703E-06	.53484E-05	-.47861E-06
6	.51149E-04	.12802E-03	-.60539E-03	.39903E-06	.61750E-05	.62398E-06
7	-.31022E-04	-.27797E-03	.73787E-03	-.40813E-06	-.74521E-05	.47964E-06
8	.65902E-04	.94432E-03	.39240E-04	.37423E-05	-.61304E-06	.51087E-05
9	-.42043E-04	.10463E-03	.68213E-03	.13072E-05	-.91037E-05	.24625E-05
10	.48113E-04	.92287E-05	-.10149E-03	.20707E-06	-.51419E-06	.42618E-06
11	.10176E-05	-.53773E-06	-.16146E-05	-.15447E-07	.14161E-08	-.23702E-07
12	-.59332E-04	.16481E-04	.33324E-05	.43170E-07	-.63027E-06	.13282E-06
13	-.53238E-04	.11144E-04	-.95036E-07	.85993E-07	-.48959E-06	.25228E-06
14	-.29183E-03	.10475E-03	.11725E-03	.21445E-06	-.30861E-06	.14823E-05
15	.92392E-04	.28638E-03	-.41653E-04	-.16321E-05	.26679E-05	.10009E-05
16	-.16534E-07	-.40359E-07	.16040E-07	.20671E-09	-.36299E-09	-.20852E-09
17	.28333E-04	.71037E-04	-.11066E-04	-.74197E-06	-.21810E-06	.16362E-06
18	.43079E-04	-.44984E-04	-.16996E-04	.53977E-06	.22085E-06	-.24893E-06
19	-.34983E-04	.52872E-04	.13642E-04	-.52623E-06	-.27111E-06	.25731E-06
20	.33111E-07	-.13884E-07	-.18126E-07	.20200E-09	-.58486E-10	-.59600E-10
21	.10254E-04	-.72964E-05	-.42744E-05	.77635E-08	-.29561E-06	-.26108E-06
22	-.54363E-06	-.58034E-06	-.14258E-06	-.65417E-08	-.60901E-07	-.48864E-07
23	-.20110E-04	-.60365E-06	-.63990E-05	-.21467E-07	-.92118E-07	-.62782E-07
24	-.12213E-05	.42530E-05	-.07793E-06	.27622E-08	-.26092E-08	.51959E-08
25	-.15325E-05	.14006E-05	.97785E-05	-.29469E-07	.12378E-07	-.30413E-07
26	.18440E-04	.31044E-05	-.11037E-04	.60852E-07	-.72142E-07	.53089E-07
27	.13039E-04	-.35520E-05	.34697E-05	-.52695E-07	.51533E-08	-.37497E-07
28	-.10392E-04	-.27628E-06	-.48564E-06	-.55453E-07	.78600E-07	-.62433E-07
29	.11841E-04	-.11611E-04	-.16334E-07	-.13084E-08	.33386E-07	.73199E-07





19	-.5963E-04	-.572E-04	-.138E-04	-.5262E-06	-.27111E-06	-.25731E-06
20	-.33111E-07	-.1384E-07	-.1812E-07	-.2020E-09	-.58486E-10	-.59600E-10
21	-.10254E-04	-.72964E-05	-.4274E-05	-.7763E-08	-.29561E-06	-.26198E-06
22	-.54363E-06	-.58634E-06	-.14258E-06	-.6541E-08	-.60901E-07	-.48864E-07
23	-.20110E-04	-.60365E-06	-.63990E-05	-.2146E-07	-.92118E-07	-.62782E-07
24	-.12213E-05	-.42536E-05	-.67793E-06	-.2762E-08	-.26092E-08	-.51959E-08
25	-.15325E-05	-.14006E-05	-.97785E-05	-.29481E-07	-.12378E-07	-.30413E-07
26	-.18440E-04	-.31044E-05	-.11037E-04	-.6085E-07	-.72142E-07	-.53089E-07
27	-.13039E-04	-.35520E-05	-.34692E-05	-.5269E-07	-.51533E-08	-.37497E-07
28	-.10392E-04	-.27628E-06	-.48564E-06	-.5545E-07	-.78600E-07	-.62433E-07
29	-.11841E-04	-.11611E-04	-.16344E-04	-.13081E-06	-.33386E-07	-.73199E-07
30	-.63116E-06	-.98035E-05	-.78438E-06	-.39692E-07	-.13204E-07	-.10168E-07
31	-.91508E-05	-.15362E-06	-.17122E-06	-.52601E-08	-.12740E-06	-.22752E-07

MAXIMUM VALUE	-.17814E-01	-.29652E-01	-.22189E-02	-.20017E-03	-.53365E-04	-.28453E-04
ABSOLUTE SUM	-.20877E-01	-.32139E-01	-.55440E-02	-.22053E-03	-.93648E-04	-.53709E-04
SQRT, SUM OF SQ	-.17935E-01	-.29673E-01	-.25064E-02	-.20042E-03	-.55562E-04	-.31085E-04
CLS LY SP MODES	-.17935E-01	-.29666E-01	-.27857E-02	-.20047E-03	-.56600E-04	-.31580E-04

32 32 1	-.18207E-02	-.18431E-01	-.38408E-03	-.17761E-03	-.37537E-05	-.39009E-04
2	-.20005E-01	-.20316E-03	-.13013E-02	-.6221E-05	-.25804E-04	-.10157E-04
3	-.31577E-05	-.21052E-05	-.2789E-04	-.2349E-06	-.17414E-06	-.59547E-06
4	-.80516E-04	-.2409CE-05	-.16851E-04	-.1963E-07	-.18071E-06	-.64396E-08
5	-.30984E-03	-.17402E-04	-.70278E-03	-.28981E-06	-.56941E-05	-.32962E-06
6	-.41133E-03	-.10274E-03	-.75663E-03	-.9493E-06	-.64190E-05	-.54124E-06
7	-.45602E-03	-.21420E-03	-.91423E-03	-.10807E-05	-.71788E-05	-.96669E-06
8	-.35041E-04	-.72402E-03	-.51302E-04	-.6209E-05	-.50802E-06	-.36510E-05
9	-.56330E-03	-.82217E-04	-.89439E-03	-.1395E-05	-.90535E-05	-.21027E-05
10	-.1279CE-04	-.76729E-05	-.68771E-04	-.18527E-06	-.72574E-06	-.39903E-06
11	-.94333E-06	-.48919E-06	-.15994E-05	-.53306E-08	-.40899E-08	-.32446E-07
12	-.85377E-04	-.15216E-04	-.13416E-04	-.5613E-07	-.27460E-06	-.39648E-07
13	-.72304E-04	-.10014E-04	-.72602E-05	-.13946E-06	-.17453E-06	-.19045E-06
14	-.26327E-03	-.10570E-03	-.10482E-03	-.71535E-06	-.12069E-05	-.12312E-05
15	-.19950E-03	-.32360E-03	-.86775E-04	-.44010E-06	-.10987E-05	-.20805E-06
16	-.30329E-07	-.45857E-07	-.21754E-07	-.90906E-10	-.12590E-09	-.10974E-09
17	-.10521E-04	-.93764E-04	-.35735E-05	-.89374E-07	-.35078E-06	-.15961E-07
18	-.4115CE-04	-.70493E-04	-.16559E-04	-.27924E-06	-.22409E-06	-.18584E-06
19	-.37410E-04	-.66550E-04	-.15216E-04	-.16265E-06	-.13413E-06	-.23953E-07
20	-.19346E-07	-.21892E-07	-.12416E-07	-.69648E-10	-.34010E-09	-.21725E-10
21	-.85598E-05	-.11765E-04	-.35109E-05	-.53534E-07	-.29897E-06	-.22708E-06
22	-.34685E-05	-.13053E-05	-.11009E-05	-.86921E-08	-.35189E-07	-.46857E-07
23	-.16051E-04	-.78938E-06	-.49801E-05	-.20464E-07	-.16849E-06	-.52417E-07
24	-.72373E-06	-.19392E-05	-.74600E-06	-.55336E-07	-.14671E-07	-.20898E-07
25	-.59074E-06	-.14495E-05	-.82072E-05	-.29344E-08	-.12401E-07	-.35179E-07
26	-.56463E-05	-.70643E-06	-.49546E-05	-.80271E-07	-.26293E-06	-.24400E-07
27	-.53173E-05	-.54403E-06	-.50721E-05	-.85144E-07	-.19058E-06	-.20358E-07
28	-.64969E-06	-.13670E-05	-.41249E-05	-.46241E-07	-.18108E-06	-.68403E-07
29	-.45080E-05	-.51035E-05	-.12625E-04	-.22899E-06	-.18136E-06	-.15599E-06
30	-.60792E-06	-.71079E-06	-.88147E-06	-.15417E-06	-.77291E-08	-.73160E-07
31	-.33937E-05	-.86320E-06	-.35603E-05	-.58820E-08	-.20050E-06	-.16944E-07

MAXIMUM VALUE	-.20005E-01	-.18431E-01	-.13013E-02	-.17764E-03	-.25804E-04	-.39009E-04
ABSOLUTE SUM	-.24958E-01	-.29501E-01	-.54341E-02	-.19685E-03	-.64514E-04	-.60428E-04
SQRT, SUM OF SQ	-.20111E-01	-.18451E-01	-.21387E-02	-.17787E-03	-.29853E-04	-.40573E-04
CLS LY SP MODES	-.20124E-01	-.18465E-01	-.24843E-02	-.17790E-03	-.31663E-04	-.40863E-04

31 31 1	-.16266E-02	-.85822E-02	-.43639E-03	-.14029E-03	-.35810E-05	-.43461E-04
2	-.20620E-01	-.85162E-04	-.10776E-02	-.42496E-05	-.53892E-05	-.93338E-05
3	-.13063E-04	-.19442E-05	-.26055E-04	-.17219E-06	-.16617E-06	-.72712E-06
4	-.86847E-04	-.52621E-06	-.21214E-04	-.77387E-07	-.39819E-07	-.48853E-07
5	-.61793E-03	-.72215E-05	-.60326E-03	-.24251E-06	-.47828E-05	-.17326E-06
6	-.75094E-03	-.45102E-04	-.86714E-03	-.1372E-05	-.52074E-05	-.49159E-06
7	-.81827E-03	-.12104E-03	-.10291E-02	-.1314E-05	-.47284E-05	-.13110E-05
8	-.10300E-04	-.40989E-03	-.59376E-04	-.6737E-05	-.36365E-06	-.26860E-05
9	-.10383E-02	-.35874E-04	-.10409E-02	-.14603E-05	-.67851E-05	-.17466E-05
10	-.33040E-04	-.48994E-05	-.76156E-04	-.15171E-06	-.81420E-06	-.37664E-06
11	-.55298E-06	-.12465E-05	-.14913E-05	-.12341E-07	-.95113E-08	-.44404E-07
12	-.89569E-04	-.12079E-04	-.14070E-04	-.36913E-07	-.19439E-06	-.42557E-07
13	-.72430E-04	-.35053E-05	-.67857E-05	-.19353E-06	-.21984E-06	-.12639E-06
14	-.15841E-03	-.75632E-04	-.71129E-04	-.9963E-06	-.23996E-05	-.10479E-05
15	-.21103E-03	-.24679E-03	-.91193E-04	-.19302E-05	-.85997E-06	-.42616E-06
16	-.30137E-07	-.34795E-07	-.21698E-07	-.30671E-09	-.15325E-09	-.33204E-10
17	-.10113E-04	-.80208E-04	-.30709E-05	-.4622E-06	-.30117E-06	-.17614E-06
18	-.17918E-04	-.83181E-04	-.45337E-05	-.12253E-06	-.52974E-06	-.15465E-06
19	-.19737E-04	-.35884E-04	-.49836E-05	-.88913E-06	-.44427E-06	-.24402E-06
20	-.43162E-08	-.20734E-07	-.49126E-08	-.76803E-10	-.39751E-09	-.11263E-09
21	-.22428E-04	-.10516E-04	-.79078E-05	-.1295E-06	-.97457E-07	-.18555E-06



10	-.33040E-04	-.48794E-05	-.76135E-05	-.15171E-06	-.81420E-06	-.37684E-06
11	-.2984E-06	-.1705E-05	-.1490E-05	-.12340E-07	-.95113E-08	-.44404E-08
12	-.89564E-04	-.12075E-04	-.14070E-04	-.36916E-07	-.19439E-06	-.02557E-07
13	-.72430E-04	-.35053E-05	-.67857E-05	-.19351E-06	-.21984E-06	-.12639E-06
14	-.15841E-03	-.75632E-04	-.71129E-04	-.99630E-06	-.23996E-05	-.10479E-03
15	-.21103E-03	-.24679E-03	-.91193E-04	-.19300E-05	-.85997E-06	-.42616E-06
16	-.30137E-07	-.34795E-07	-.21698E-07	-.30671E-09	-.15325E-09	-.33204E-10
17	-.10113E-04	-.80208E-04	-.30709E-05	-.46222E-06	-.36117E-06	-.17614E-06
18	-.17918E-04	-.83181E-04	-.95337E-05	-.12253E-06	-.52974E-06	-.15465E-06
19	-.19737E-04	-.35886E-04	-.90836E-05	-.88913E-06	-.44427E-06	-.24402E-06
20	-.43162E-08	-.20734E-07	-.49126E-08	-.76803E-10	-.39751E-09	-.11263E-09
21	-.22428E-04	-.10514E-04	-.79078E-05	-.12953E-06	-.97457E-07	-.18559E-06
22	-.43461E-05	-.15069E-05	-.14122E-05	-.14597E-07	-.15050E-07	-.43352E-07
23	-.13377E-05	-.47023E-06	-.57129E-06	-.21493E-07	-.27992E-06	-.41209E-07
24	-.48319E-06	-.26348E-05	-.99081E-06	-.70613E-07	-.19662E-07	-.34401E-07
25	-.95378E-06	-.30971E-06	-.71734E-05	-.17221E-07	-.13299E-07	-.38264E-07
26	-.98419E-05	-.46743E-05	-.73260E-06	-.43727E-07	-.16927E-06	-.16135E-07
27	-.89079E-05	-.49479E-05	-.80433E-05	-.51211E-07	-.18951E-06	-.27357E-07
28	-.96519E-05	-.20617E-05	-.70216E-05	-.13717E-07	-.80632E-07	-.83506E-07
29	-.75898E-05	-.19558E-04	-.81193E-05	-.39543E-07	-.14197E-06	-.13318E-06
30	-.29212E-06	-.99250E-05	-.69899E-06	-.77913E-07	-.16192E-07	-.67486E-07
31	-.12619E-04	-.11720E-05	-.65873E-05	-.11193E-07	-.34717E-08	-.44017E-08

MAXIMUM VALUE	.20620E-01	.85822E-02	.10976E-02	.14029E-03	.67851E-05	.43461E-04
ABSOLUTE SUM	.26277E-01	.98902E-02	.57158E-02	.16071E-03	.37643E-04	.63294E-04
SORT.SUM OF SG	.20751E-01	.85982E-02	.22274E-02	.14053E-03	.12977E-04	.44614E-04
CLS LY SP MODES	.20785E-01	.86075E-02	.26510E-02	.14067E-03	.15082E-04	.44816E-04

30	30	1	-.14114E-02	-.12775E-02	-.47896E-03	-.86977E-04	-.40682E-05	.42507E-04
		2	-.19368E-01	-.76823E-05	-.13604E-02	-.24927E-05	.35616E-04	-.84908E-05
		3	-.21864E-04	-.44626E-05	.28118E-06	-.77766E-07	-.13655E-06	-.87025E-06
		4	-.84752E-04	.77875E-05	.21109E-04	-.15321E-06	.73412E-07	.98165E-07
		5	.84613E-03	.44759E-05	-.85654E-03	-.21245E-06	.31490E-05	-.11910E-07
		6	.99798E-03	-.37613E-04	-.92172E-03	.16384E-05	.32304E-05	.47290E-06
		7	-.98787E-03	-.26836E-04	.10652E-02	-.10226E-05	-.90540E-06	.15193E-05
		8	-.52836E-05	.10268E-03	.63054E-04	.44794E-05	-.19467E-06	.21977E-05
		9	-.13301E-02	-.29337E-04	.10990E-02	.14661E-05	-.33369E-05	.14005E-05
		10	-.80002E-04	.19976E-05	-.66989E-04	.77870E-07	-.72240E-06	.36019E-06
		11	-.14013E-06	-.32242E-05	-.13426E-05	.40085E-07	-.12556E-07	-.59615E-07
		12	-.63371E-04	.99560E-05	.76793E-05	-.39437E-07	.62417E-06	-.11021E-06
		13	-.47406E-04	-.79524E-05	.82643E-06	.24127E-06	.56279E-06	.61798E-07
		14	.80212E-05	.26237E-04	.33222E-04	.85084E-06	.28268E-05	.96391E-06
		15	.10078E-03	.93746E-04	-.67021E-04	.19894E-05	-.23809E-05	-.75150E-06
		16	-.12881E-07	-.12343E-07	.17690E-07	-.31876E-09	.35240E-09	-.57661E-12
		17	-.23307E-04	.36486E-04	.61442E-05	.54637E-06	-.12498E-06	-.24229E-06
		18	-.18880E-04	-.89402E-04	-.15454E-05	.49092E-06	-.57510E-06	-.24182E-06
		19	.13022E-04	-.41198E-04	.29325E-05	.14739E-05	.53131E-06	-.50416E-06
		20	-.25403E-07	-.99637E-08	-.37427E-10	-.12000E-09	-.25089E-09	.18606E-09
		21	-.19352E-04	-.28182E-05	.72106E-05	-.15144E-06	.14229E-06	-.15285E-06
		22	-.17154E-05	-.07649E-06	.85521E-06	-.13647E-07	.55725E-07	-.40908E-07
		23	.15634E-04	.37084E-06	-.30001E-05	-.20262E-07	.21800E-06	-.30269E-07
		24	.15631E-05	-.70714E-05	-.10750E-05	.74611E-07	.13431E-07	-.43791E-07
		25	-.27428E-05	-.16565E-05	.61527E-05	.27364E-07	-.41490E-07	-.39292E-07
		26	-.12856E-04	-.51353E-05	.22946E-05	.07035E-06	.44151E-07	.11663E-07
		27	-.14765E-04	.55074E-05	.80489E-05	-.15163E-07	-.64112E-07	-.39660E-07
		28	.85277E-05	.40677E-06	-.61504E-05	.11593E-07	-.69568E-07	-.99416E-07
		29	-.10893E-04	.13589E-04	-.60968E-05	.13312E-06	.27787E-07	.91192E-07
		30	.12539E-05	.16118E-04	.53235E-06	.19243E-07	.99379E-08	.43379E-07
		31	-.27752E-05	-.24918E-06	.42823E-05	.22795E-07	.19592E-06	-.85597E-08

MAXIMUM VALUE	.19368E-01	.12775E-02	.13604E-02	.86977E-04	.35616E-04	.42507E-04
ABSOLUTE SUM	.25506E-01	.18565E-02	.61286E-02	.10473E-03	.59959E-04	.61470E-04
SORT.SUM OF SG	.19535E-01	.12910E-02	.24543E-02	.87205E-04	.36511E-04	.43488E-04
CLS LY SP MODES	.19590E-01	.13019E-02	.24807E-02	.87364E-04	.36641E-04	.43659E-04

29	29	1	.11545E-02	.23026E-02	.50581E-03	-.34137E-04	-.47612E-05	.39223E-04
		2	-.16498E-01	.27632E-04	-.17251E-02	-.10363E-05	.60162E-04	-.76469E-05
		3	-.24756E-04	-.10403E-04	.29139E-04	-.11382E-07	-.98057E-07	-.10148E-05
		4	-.78282E-04	.20063E-04	.20595E-04	-.14073E-06	.10314E-06	.13915E-06
		5	.97553E-03	.16733E-04	-.87612E-03	-.13582E-06	.13067E-05	.14401E-06
		6	.11264E-02	-.13386E-03	-.93936E-03	.12013E-05	.11485E-05	.55054E-06
		7	-.92094E-03	.27188E-04	.10552E-02	-.46708E-06	.35267E-05	.16500E-05
		8	-.12040E-04	-.60261E-04	.63957E-04	.19983E-05	-.11841E-07	.19724E-05
		9	-.14235E-02	-.11037E-03	.11068E-02	.97683E-06	.30446E-06	.11232E-05
		10	-.11056E-03	.98356E-06	-.63359E-04	.42627E-07	-.40696E-06	.30694E-06
		11	-.89459E-06	-.70599E-05	-.12430E-05	.36017E-07	-.11159E-07	-.72162E-07
		12	-.18221E-04	.14501E-04	.11240E-05	-.60967E-07	.84463E-06	-.17862E-06
		13	-.76634E-05	-.22676E-04	-.46451E-05	.16609E-06	.72161E-06	.12625E-07



3	756E-04	1033F-04	291E-04	1138E-07	98057E-07	10148E-06
4	7828F-04	2059E-04	20063E-04	1407E-06	10314E-06	13915E-06
5	97953E-03	16733E-04	87612E-03	1350E-06	13067E-05	14001E-06
6	11264E-02	13386E-03	93936E-03	120E-05	11445E-05	55054E-06
7	97074E-03	27188E-04	10552E-02	4670E-06	35267E-05	16500E-05
8	12040E-04	60261E-04	3957E-04	19984E-05	11841E-07	19724E-05
9	14235E-02	10377E-03	11068E-02	9768E-06	30446E-06	11232E-05
10	1156E-03	9835E-06	6335E-04	42627E-07	40096E-06	34694E-06
11	89459E-06	70399E-05	12489E-05	36014E-07	11159E-07	72162E-07
12	18221E-04	14501E-04	11240E-05	60969E-07	84403E-06	17862E-06
13	76634E-05	22876E-04	48451E-05	16609E-06	72161E-06	12625E-07
14	16607E-03	25501E-05	11126E-04	43187E-06	20664E-05	95619E-06
15	63259E-04	31957E-05	45469E-04	10532E-05	26501E-05	81601E-06
16	10361E-07	18146E-08	14417E-07	17422E-09	35415E-09	70779E-11
17	24337E-04	12541E-04	64384E-05	29613E-04	12123E-06	21830E-06
18	48162E-04	14444E-03	22073E-05	57751E-06	24916E-06	35706E-06
19	41348E-04	14348E-03	64882E-06	11683E-05	27099E-06	64469E-06
20	32960E-07	32839E-08	11858E-08	78801E-10	74789E-10	23698E-09
21	53237E-05	37357E-05	53294E-05	88623E-07	27832E-06	13769E-06
22	20694E-05	74826E-06	37536E-06	93682E-08	52954E-07	39958E-07
23	23668E-04	12220E-05	39029E-05	73171E-08	39943E-07	21237E-07
24	20745E-05	12058E-04	98744E-06	38113E-08	36124E-08	43254E-07
25	62145E-05	36227E-05	52188E-05	10191E-08	42083E-07	34991E-07
26	43905E-05	55273E-05	20527E-05	33491E-07	20965E-06	56936E-08
27	16792E-04	58869E-05	63525E-05	33973E-07	11853E-06	51442E-07
28	18504E-05	52544E-05	47222E-05	44023E-08	12168E-06	10958E-06
29	38725E-05	61613E-05	57518E-05	16891E-06	18929E-06	81347E-07
30	14373E-05	86035E-05	55146E-06	10513E-06	11988E-07	26844E-07
31	97536E-05	15891E-05	24634E-05	21432E-08	93806E-07	15962E-07

MAXIMUM VALUE	16498E-01	23026E-02	17251E-02	34133E-04	60162E-04	39223E-04
ABSOLUTE SUM	22786E-01	31045E-02	64962E-02	44397E-04	79927E-04	57635E-04
SQR, SUM OF SQ	16693E-01	23194E-02	26892E-02	34293E-04	60587E-04	40107E-04
CLS LY SP MODES	16762E-01	23345E-02	30868E-02	34423E-04	60070E-04	40279E-04

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1	85458E-03	31171E-02	51177E-03	79831E-06	52292E-05	36340E-04
2	12347E-01	33568E-04	18921E-02	11267E-07	74969E-04	67944E-05
3	33286E-04	13166E-04	29412E-04	30031E-07	67086E-07	11525E-05
4	72762E-04	25425E-04	26647E-04	58581E-07	14142E-08	16060E-06
5	10001E-02	21413E-04	87780E-03	42103E-07	13762E-06	28764E-06
6	11320E-02	17155E-03	93827E-03	37543E-06	25810E-06	75947E-06
7	57565E-03	44261E-04	10361E-02	34491E-07	78533E-05	17774E-05
8	72177E-05	11004E-03	3654E-04	23072E-06	16854E-06	17424E-05
9	12955E-02	13074E-03	10922E-02	31547E-06	29704E-05	94465E-06
10	12752E-03	58496E-06	63585E-04	11301E-07	70386E-08	33259E-06
11	14398E-05	80987E-05	12193E-05	31125E-07	66709E-08	77533E-07
12	34975E-04	15283E-04	18311E-05	78841E-07	85900E-06	26458E-06
13	36622E-04	26983E-04	71972E-05	93123E-07	70118E-06	13368E-07
14	24818E-03	14379E-04	60145E-05	10117E-06	62792E-06	95093E-06
15	20766E-03	37394E-04	38409E-04	38013E-06	18794E-05	88328E-06
16	28276E-07	79190E-08	13202E-07	46396E-10	20335E-09	16065E-10
17	91111E-05	37415E-06	56498E-05	14780E-06	31459E-06	20132E-06
18	47771E-04	15978E-03	21446E-05	95863E-07	20376E-06	35573E-06
19	44478E-04	18341E-03	71531E-06	15298E-06	12702E-06	66318E-06
20	16561E-07	15650E-08	72828E-09	69450E-10	37578E-09	29123E-09
21	13027E-04	60892E-05	43522E-05	44732E-08	25669E-06	12777E-06
22	44407E-05	28902E-06	27117E-06	91813E-08	20513E-07	38390E-07
23	10940E-04	98532E-06	31266E-05	10954E-07	27502E-06	13721E-07
24	11668E-05	70291E-05	76326E-06	13753E-06	16924E-07	27972E-07
25	78841E-05	21290E-05	37131E-05	41917E-07	25203E-07	25865E-07
26	11683E-04	11495E-05	21151E-05	84061E-07	22706E-06	57078E-08
27	32514E-05	10315E-05	38193E-05	91810E-07	20734E-06	69779E-07
28	54901E-05	12103E-05	35460E-05	10383E-07	71943E-07	11770E-06
29	11374E-04	52390E-05	48186E-05	15249E-06	22314E-06	70083E-07
30	14092E-06	18366E-05	62048E-06	16424E-06	26303E-07	19229E-08
31	80162E-05	64427E-06	21104E-05	21801E-07	96245E-07	20642E-07

MAXIMUM VALUE	12347E-01	31171E-02	18921E-02	79833E-06	74969E-04	36340E-04
ABSOLUTE SUM	18153E-01	41412E-02	66182E-02	37179E-05	97888E-04	54221E-04
SQR, SUM OF SQ	12554E-01	31371E-02	27875E-02	11184E-05	75661E-04	37126E-04
CLS LY SP MODES	12613E-01	31554E-02	31660E-02	12704E-05	75723E-04	37306E-04

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1	54234E-03	22272E-02	49113E-03	17749E-04	50383E-05	32778E-04
2	77251E-02	24914E-04	16784E-02	64859E-06	75996E-04	59640E-05
3	36631E-04	65607E-05	29337E-04	13018E-06	59138E-07	12888E-05
4	78574E-04	13049E-04	20457E-04	43729E-06	28948E-06	17449E-06
5	96408E-03	11462E-04	88001E-03	31382E-06	61389E-06	42540E-06



MAXIMUM VALUE  
ABSOLUTE SUM  
SUM OF SQ  
CLSY SP MODES

.12347E-01	.31271E-02	.18921E-02	.79232E-06	.74969E-04	.36340E-04
.18153E-01	.41412E-02	.66182E-02	.37175E-05	.97288E-04	.54221E-04
.12554E-01	.31371E-02	.27875E-02	.11117E-05	.75661E-04	.37126E-04
.12613E-01	.31554E-02	.31660E-02	.12740E-05	.75723E-04	.37306E-04

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1	.54234E-03	.22272E-02	.49113E-03	.17749E-04	-.50383E-05	.32778E-04
2	-.77251E-02	.24914E-04	-.16784E-02	.64859E-06	.75996E-04	-.59640E-05
3	-.36631E-04	-.65607E-05	.29337E-04	-.13018E-06	-.59138E-07	-.12888E-05
4	-.78574E-04	.20657E-04	.43729E-04	-.20657E-04	-.20657E-04	.17449E-06
5	.96408E-03	.11462E-04	-.88001E-03	.31382E-04	-.61389E-06	.42540E-06
6	.10971E-02	-.89656E-04	-.93823E-03	-.30172E-05	-.26162E-06	.10235E-05
7	.32532E-05	.31079E-04	.10573E-02	.25616E-06	.11586E-04	.18958E-05
8	.76939E-05	-.87362E-04	.64211E-04	-.78172E-06	.33459E-06	.15486E-05
9	-.10746E-02	-.66036E-04	.10925E-02	-.23200E-05	.36619E-05	.80914E-06
10	-.11743E-03	-.33382E-06	-.63860E-04	.23111E-08	.32667E-06	.31877E-06
11	-.16750E-05	-.33526E-05	-.12243E-05	-.14877E-06	-.67971E-09	-.80491E-07
12	.82256E-04	.53494E-05	-.43592E-06	.35137E-06	.65602E-06	-.35593E-06
13	.74356E-04	-.11835E-04	-.59775E-05	-.48942E-06	.50678E-06	-.30801E-07
14	.24013E-03	-.10462E-04	.40845E-05	-.13549E-06	-.95966E-06	.95309E-06
15	-.28287E-03	.41378E-04	-.40805E-04	-.43254E-07	-.30460E-06	-.93624E-06
16	.34112E-07	.72081E-06	.13080E-07	.58803E-10	-.49232E-10	-.28094E-10
17	.12396E-04	-.48380E-05	.68367E-05	.42535E-07	.33442E-06	-.18102E-06
18	-.24375E-04	-.13322E-03	.31011E-05	-.79199E-06	.53753E-06	-.33653E-06
19	.26519E-04	-.16141E-03	-.14171E-05	-.86131E-06	-.45068E-06	-.65556E-06
20	.10903E-07	.47528E-06	.21486E-08	-.72907E-10	.44768E-09	.34540E-09
21	.24620E-04	.42441E-05	.46526E-05	.76942E-07	.51522E-07	-.12001E-06
22	.42618E-05	.32349E-06	.26902E-06	-.79199E-08	-.27253E-07	-.36841E-07
23	-.63834E-05	-.71655E-07	-.37111E-05	.23105E-07	-.27005E-06	-.66029E-08
24	.10401E-06	.39753E-05	-.62229E-06	-.20309E-06	-.12722E-07	-.10087E-07
25	-.91586E-05	.12519E-05	.20808E-05	-.58944E-07	.37516E-06	-.15962E-07
26	.22046E-04	.42774E-05	.32919E-05	-.70332E-07	-.77220E-09	.67031E-06
27	.73331E-05	-.47551E-05	.23012E-05	.79005E-07	.57794E-07	-.88705E-07
28	-.65094E-05	-.29769E-07	-.27190E-05	-.13786E-07	.76464E-07	-.12558E-06
29	.22092E-04	-.11582E-04	-.27926E-05	-.16092E-07	.22901E-08	.61234E-07
30	-.16221E-05	-.10470E-04	.56105E-06	.43131E-07	-.87293E-08	-.22188E-07
31	-.14348E-05	.95473E-06	.12890E-05	-.16602E-07	-.16100E-06	-.25078E-07

MAXIMUM VALUE  
ABSOLUTE SUM  
SUM OF SQ  
CLSY SP MODES

.77251E-02	.22272E-02	.16784E-02	.17749E-04	.75996E-04	.32778E-04
.12499E-01	.29755E-02	.64039E-02	.29099E-04	.10259E-03	.50276E-04
.74645E-02	.22425E-02	.26525E-02	.18241E-04	.77147E-04	.33499E-04
.79769E-02	.22575E-02	.30551E-02	.18451E-04	.77264E-04	.33702E-04

26 26

1	.26842E-03	.73313E-03	.44801E-03	.16647E-04	-.38002E-05	.27430E-04
2	-.34966E-02	.17535E-04	-.11104E-02	.87443E-06	.61027E-04	-.51829E-05
3	-.40219E-04	.15487E-04	.28687E-04	-.36972E-06	-.80600E-07	-.14279E-05
4	-.10665E-03	-.27454E-04	.17144E-04	.99104E-06	-.80669E-06	.19115E-06
5	.92933E-03	-.19825E-04	-.88327E-03	.67480E-06	.32057E-06	.56206E-06
6	.11020E-02	.16971E-03	-.93330E-03	-.66765E-05	.16805E-05	.12835E-05
7	.77648E-03	-.50612E-05	.11521E-02	.38320E-06	.14906E-04	.19926E-05
8	.31836E-04	-.34983E-04	.67110E-04	-.97596E-06	.50370E-06	.14469E-05
9	-.86757E-03	.13203E-03	.11058E-02	-.49811E-05	.18822E-05	.68109E-06
10	-.89553E-04	-.29291E-05	-.60612E-04	.15946E-07	.41390E-06	.30693E-06
11	-.15239E-05	.10096E-04	-.11921E-05	-.31113E-06	.31735E-08	-.83338E-07
12	.11170E-03	-.21931E-04	.28234E-05	.74641E-06	.43643E-06	-.40571E-06
13	.95891E-04	.30474E-04	-.35135E-05	-.99915E-06	.31585E-06	-.44834E-07
14	.13720E-03	-.64385E-05	-.10799E-04	-.23991E-06	-.19618E-05	.97353E-06
15	-.24396E-03	-.23025E-04	-.34623E-04	-.75751E-07	.10299E-05	-.94070E-06
16	.22722E-07	.14204E-08	.10932E-07	.11612E-09	-.25514E-09	-.47886E-10
17	.29859E-04	-.35935E-05	.90688E-05	.22226E-08	.24019E-06	-.15190E-06
18	.14762E-04	-.64556E-04	.80534E-05	-.83119E-06	.63242E-06	-.21116E-06
19	-.79376E-05	-.80521E-04	-.57683E-05	-.94904E-06	-.56703E-06	-.50972E-06
20	.35540E-07	.64663E-08	.55638E-08	-.11670E-09	.34468E-09	.39496E-09
21	.19145E-04	-.16420E-05	.36620E-05	.12735E-06	-.15822E-06	-.11833E-06
22	.12836E-05	.10096E-05	-.14683E-06	-.78933E-08	-.50327E-07	-.35551E-07
23	-.20563E-04	-.16518E-05	-.49243E-05	.29885E-07	-.12104E-06	-.17864E-09
24	-.34994E-06	.16712E-04	-.46604E-06	-.24183E-06	.22368E-09	.91221E-08
25	-.71786E-05	.48836E-05	.02532E-06	-.64937E-07	.15961E-07	-.56587E-08
26	.11561E-04	.69940E-05	.25791E-05	-.47923E-07	-.21705E-06	.37996E-08
27	.38752E-05	-.72476E-05	-.23839E-06	.60237E-07	-.13200E-06	-.10399E-06
28	.31921E-05	.16882E-05	-.44950E-06	-.53187E-05	.17631E-06	-.13244E-06
29	.11429E-04	-.40356E-05	-.23428E-05	-.15022E-06	-.19744E-06	.70098E-07
30	-.11592E-05	-.66348E-05	.58188E-06	-.71903E-07	.12933E-07	-.31938E-07
31	-.10608E-04	.15540E-05	-.41850E-06	-.18203E-08	-.10664E-06	-.30045E-07

MAXIMUM VALUE  
ABSOLUTE SUM

.34900E-02	.73313E-03	.11521E-02	.16649E-04	.61027E-04	.27430E-04
.84354E-02	.14549E-02	.58989E-02	.37497E-04	.91814E-04	.44407E-04





MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SC  
CLS LY SP MODES

25 25

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SC  
CLS LY SP MODES

2a 24



MAXIMUM VALUE	.24807E-02	.11233E-02	.16057E-02	.81129E-05	.21904E-04	.16112E-04
ABSOLUTE SUM	.79090E-02	.37210E-02	.51861E-02	.21139E-04	.48655E-04	.35146E-04
SGRT, SUM OF SC	.33714E-02	.16207E-02	.23206E-02	.10013E-04	.24880E-04	.17328E-04
CSGLY SP MODES	.44633E-02	.17315E-02	.29321E-02	.10643E-04	.26235E-04	.18036E-04

1	-34804E-04	-88093E-03	.35470E-03	-.55315E-05	-.72410E-06	.11715E-04
2	.17430E-02	.58772E-04	.36610E-03	.12130E-05	.63056E-05	-.28837E-05
3	-.38557E-04	.12937E-03	.32326E-04	.48609E-06	.32544E-06	-.14671E-05
4	-.33580E-03	-.23064E-03	-.55543E-04	.51842E-06	-.15348E-05	-.40561E-06
5	.92143E-03	-.16994E-03	-.93270E-03	.66390E-08	-.37187E-05	.46552E-06
6	.15812E-02	.13954E-02	-.81125E-03	-.44623E-05	.52629E-06	.60246E-06
7	.28904E-02	-.11816E-03	.17756E-02	.79527E-06	.22665E-05	.19316E-05
8	.11097E-03	.12240E-04	.91334E-04	-.54883E-06	.13093E-06	.12008E-05
9	-.11275E-02	.10140E-02	.99630E-03	-.23556E-05	-.37361E-05	.33652E-05
10	-.20978E-04	-.15295E-04	-.10855E-04	.10604E-06	.07118E-06	.22755E-06
11	-.45254E-07	.62982E-04	-.05534E-06	-.48509E-07	.15126E-07	.11109E-06
12	.76137E-04	-.12881E-03	-.16805E-06	.50427E-06	-.10033E-05	-.11133E-05
13	.62941E-04	.18792E-03	-.20198E-04	-.21674E-06	-.88087E-06	.52497E-06
14	-.16102E-03	-.57557E-05	-.10363E-03	-.49360E-06	-.51502E-06	.10267E-05
15	.85871E-04	-.35370E-05	.76437E-04	.38028E-06	.17554E-05	-.93392E-06
16	-.31135E-07	-.12366E-07	.75277E-08	.94267E-10	-.18268E-09	-.13952E-09
17	.81564E-05	.17165E-05	-.10368E-05	-.85619E-09	-.43272E-06	.49518E-07
18	.30407E-04	-.67654E-05	.09576E-05	-.17426E-06	-.56821E-06	.66642E-07
19	-.28286E-04	-.48877E-05	-.09770E-05	-.12203E-06	.64287E-06	-.13705E-06
20	.95005E-08	.14232E-08	-.61587E-08	-.90589E-10	-.52230E-09	.58798E-09
21	-.19449E-04	-.33560E-05	-.09934E-05	-.66414E-07	-.59130E-07	.17603E-06
22	-.31396E-05	.70861E-06	-.11036E-05	.40890E-07	.34505E-07	-.22784E-07
23	.14260E-04	-.41285E-06	.42401E-05	-.59991E-07	.24214E-06	.35473E-06
24	.20494E-05	.63890E-07	.10687E-05	.34411E-06	.71394E-08	.15516E-06
25	-.50894E-05	-.12925E-05	-.42650E-05	.90474E-07	-.21803E-08	.39468E-07
26	-.10197E-04	-.36365E-05	-.59951E-06	.10691E-06	.13391E-06	-.99930E-08
27	-.15685E-04	.42341E-05	-.11609E-04	-.32578E-07	.10161E-06	-.13259E-06
28	.27014E-05	-.13598E-05	.72405E-06	.10578E-06	-.14108E-06	-.15062E-06
29	-.70074E-06	.28774E-05	.16452E-05	.12638E-07	.15068E-06	.18123E-06
30	.43897E-06	.54562E-05	.75438E-06	.28697E-07	-.13720E-07	.26851E-07
31	-.11320E-04	-.18355E-05	.60340E-05	.32503E-07	.29513E-07	-.57682E-07

MAXIMUM VALUE	.28904E-02	.13984E-02	.17756E-02	.55316E-05	.63056E-05	.11715E-04
ABSOLUTE SUM	.93436E-02	.44553E-02	.57354E-02	.18878E-04	.28910E-04	.34606E-04
SCRT SUM OF SQ	.40233E-02	.19831E-02	.24424E-02	.77738E-05	.10720E-04	.14302E-04
CLSRT SP MEDES	.12432E-02	.21203E-02	.30758E-02	.64508E-05	.11619E-04	.15612E-04

1	-.61513E+04	-.73734E-03	.33755E-03	-.92645E-05	-.45450E-06	-.83374E-05
2	.16864E+02	.58081E-04	.43815E-03	.14337E-05	-.13302E-05	-.21007E-05
3	-.16304E+04	.17331E-03	.45360E-04	.13025E-05	.63892E-06	-.12956E-05
4	-.41506E-03	-.21759E-03	-.96287E-04	-.50665E-06	-.15820E-05	-.89928E-06
5	.60117E-03	-.15927E-03	-.10805E-02	-.89693E-06	-.73168E-05	.20747E-06
6	.15404E-02	.12962E-02	-.83589E-03	.11077E-05	-.19561E-05	.91898E-05
7	.22056E-02	-.10734E-03	.17303E-02	-.15958E-05	-.52849E-05	.17948E-05
8	.10858E-03	.87795E-05	.90165E-04	-.54681E-06	-.18518E-06	.10598E-05
9	-.13411E-02	.91384E-03	.87502E-03	.18187E-05	-.47363E-05	.52665E-05
10	.46091E-05	-.13132E-04	-.28129E-04	-.18402E-06	.45585E-06	.19422E-06
11	.80531E-06	-.53807E-04	-.20072E-06	.17356E-06	.16170E-07	.20054E-06
12	.13249E-04	-.10976E-03	-.49814E-04	.22843E-06	-.12275E-05	-.13549E-05
13	.13455E-04	.16017E-03	-.45955E-04	.35589E-06	-.94490E-06	.74606E-06
14	-.15079E-03	-.46794E-05	.99060E-04	-.61177E-06	.72267E-06	.10369E-05
15	.15630E-03	-.13720E-05	.10997E-03	.52198E-06	.60975E-06	.93849E-06
16	-.34526E-07	-.12809E-07	-.59397E-08	.12184E-08	.20033E-10	-.14905E-09
17	-.15966E-04	.20248E-05	-.13526E-04	.29255E-08	-.38834E-06	-.14640E-07
18	-.86407E-05	-.75329E-06	-.13164E-04	-.15063E-06	-.70560E-06	.87604E-07
19	-.3525E-05	.15444E-05	.13885E-04	.75354E-07	.60996E-06	.77024E-07



8	.1558E-03	.8716E-04	.9017E-04	.5468E-06	.18518E-05	.10598E-05
9	.13411E-02	.91304E-03	.87502E-03	.18187E-05	.47363E-05	.52665E-05
10	.46091E-05	.13132E-04	.28129E-04	.18402E-06	.45585E-06	.19422E-06
11	.80531E-06	.53807E-04	.20072E-06	.1735E-06	.16170E-07	.20054E-06
12	.13249E-04	.10976E-03	.49814E-04	.2284E-06	.12725E-05	.13549E-05
13	.13455E-04	.16017E-03	.45955E-04	.35587E-06	.94490E-06	.74606E-06
14	.15079E-03	.46794E-05	.90060E-04	.61773E-06	.72267E-06	.10369E-05
15	.15030E-03	.13720E-05	.10997E-03	.52193E-06	.60975E-06	.93849E-06
16	.34520E-07	.12809E-07	.99391E-08	.12189E-09	.20033E-10	.14905E-09
17	.15966E-04	.24248E-05	.13526E-04	.29253E-08	.38834E-06	.14640E-07
18	.80407E-05	.75329E-06	.13168E-04	.15063E-06	.70560E-06	.89604E-07
19	.42574E-05	.15666E-05	.10026E-04	.25255E-07	.60990E-06	.77994E-07
20	.18605E-07	.11132E-07	.20238E-07	.80912E-10	.41070E-09	.64587E-09
21	.15441E-04	.72052E-05	.72057E-05	.12663E-06	.14727E-06	.18332E-06
22	.19590E-06	.14947E-05	.43635E-06	.52945E-07	.57841E-07	.22402E-07
23	.20334E-04	.24410E-05	.12623E-04	.56273E-07	.24565E-08	.16980E-07
24	.17042E-05	.21989E-04	.10631E-05	.27401E-06	.98436E-08	.71903E-07
25	.43278E-05	.62557E-05	.55188E-05	.48421E-07	.71549E-09	.11580E-07
26	.19622E-05	.67482E-05	.42915E-05	.43707E-07	.22483E-06	.62218E-07
27	.27160E-05	.65374E-05	.67693E-05	.62587E-07	.23007E-06	.92171E-07
28	.52087E-05	.23255E-05	.22258E-05	.10081E-08	.84113E-07	.17481E-06
29	.87038E-05	.41091E-05	.86678E-05	.63497E-08	.16368E-06	.18106E-06
30	.76205E-06	.55046E-06	.53618E-08	.94813E-07	.22372E-07	.45556E-07
31	.42447E-05	.74417E-06	.15332E-05	.14333E-07	.18994E-06	.75832E-07

	MAXIMUM VALUE	ABSOLUTE SUM	SQRT SUM OF SC	CLS LY SP MODES
	.20056E-02	.12962E-02	.17303E-02	.92645E-05
	.92233E-02	.40299E-02	.59575E-02	.21609E-04
	.40223E-02	.17897E-02	.28479E-02	.99529E-05
	.51252E-02	.19161E-02	.30949E-02	.10439E-04

21	1	.78319E-04	.42891E-03	.32341E-03	.11194E-04	.32066E-06	.61174E-05
	2	.16138E-02	.35232E-04	.28382E-03	.16929E-05	.69273E-05	.13136E-05
	3	.25475E-04	.73533E-04	.71146E-04	.23197E-05	.99465E-06	.10359E-05
	4	.49663E-04	.12658E-03	.14781E-03	.18104E-05	.17992E-05	.15151E-05
	5	.19090E-03	.92068E-04	.13816E-02	.19586E-05	.11017E-04	.14112E-06
	6	.13889E-02	.74734E-03	.93585E-03	.77655E-05	.39696E-05	.12773E-04
	7	.23652E-02	.14489E-04	.14489E-02	.24685E-05	.11560E-04	.16400E-05
	8	.92517E-04	.59306E-05	.80018E-04	.62458E-06	.42843E-06	.87617E-06
	9	.15976E-02	.52193E-03	.70099E-03	.62261E-05	.57235E-05	.71616E-05
	10	.25829E-04	.80414E-05	.15253E-04	.24313E-06	.35561E-06	.17400E-06
	11	.15835E-05	.33778E-04	.30682E-06	.29544E-06	.13681E-07	.22677E-06
	12	.47902E-04	.72696E-04	.88981E-04	.23447E-06	.10528E-05	.14279E-05
	13	.32770E-04	.10871E-03	.75338E-04	.51169E-06	.76697E-06	.71562E-06
	14	.88572E-04	.37772E-05	.60274E-04	.73739E-06	.16213E-05	.10528E-05
	15	.14723E-03	.13769E-05	.10922E-03	.66347E-06	.76648E-06	.93558E-06
	16	.28774E-07	.16012E-07	.69607E-08	.22773E-09	.19114E-09	.11534E-09
	17	.31383E-04	.22272E-05	.23233E-04	.19056E-10	.12938E-06	.15852E-07
	18	.40949E-04	.32645E-05	.34168E-04	.14618E-06	.41804E-06	.10086E-06
	19	.33335E-04	.22526E-05	.28674E-04	.55568E-07	.30506E-06	.31266E-07
	20	.32441E-07	.26274E-07	.28675E-07	.90605E-10	.26336E-10	.69180E-09
	21	.45857E-05	.20148E-04	.38698E-06	.14666E-06	.24485E-06	.16644E-06
	22	.26974E-05	.35618E-05	.22794E-05	.56379E-07	.38126E-07	.27167E-07
	23	.14130E-04	.42575E-05	.88959E-05	.40874E-07	.24618E-06	.41934E-07
	24	.86085E-06	.31742E-04	.77363E-06	.25859E-07	.17741E-07	.10802E-06
	25	.37493E-05	.68547E-05	.71040E-05	.34170E-07	.67459E-08	.37510E-07
	26	.12021E-04	.43936E-05	.13242E-04	.30916E-07	.63009E-07	.11842E-06
	27	.92390E-05	.33104E-05	.12090E-05	.16182E-06	.11913E-06	.52536E-07
	28	.69072E-05	.13161E-05	.20986E-05	.96021E-07	.71956E-07	.19838E-06
	29	.14000E-04	.83279E-05	.14238E-04	.10147E-06	.33985E-07	.12498E-06
	30	.17020E-05	.67143E-05	.74035E-06	.51109E-07	.31731E-08	.74146E-09
	31	.69656E-05	.11421E-05	.04173E-05	.26545E-07	.13724E-06	.76222E-07

	MAXIMUM VALUE	ABSOLUTE SUM	SQRT SUM OF SC	CLS LY SP MODES
	.23652E-02	.74734E-03	.14489E-02	.11194E-04
	.83779E-02	.24216E-02	.58664E-02	.39783E-04
	.36079E-02	.10344E-02	.23720E-02	.15747E-04
	.45326E-02	.11107E-02	.30215E-02	.17704E-04

20	1	.89046E-04	.74281E-04	.31142E-03	.11374E-04	.17199E-06	.51818E-05
	2	.12030E-02	.17081E-04	.21530E-04	.19863E-05	.85018E-05	.52429E-06
	3	.80222E-04	.29043E-04	.11356E-03	.35124E-05	.13981E-05	.68931E-06
	4	.58768E-03	.57562E-04	.21756E-03	.33442E-05	.24180E-05	.22388E-05
	5	.40402E-03	.41382E-04	.18441E-02	.32773E-05	.14824E-04	.56791E-06
	6	.11636E-02	.30562E-03	.11077E-02	.15123E-04	.50334E-05	.16562E-04
	7	.17064E-02	.16558E-04	.94492E-03	.33743E-05	.13715E-04	.14896E-05
	8	.67791E-04	.10124E-04	.61131E-04	.78372E-06	.50440E-06	.64212E-06
	9	.18758E-02	.16249E-03	.46969E-03	.10483E-04	.70746E-05	.87696E-05
	10	.34428E-04	.15541E-05	.52948E-05	.27334E-06	.21577E-06	.17630E-06



1	-.8946E-04	-.74281E-04	.31142E-03	-.11374E-04	-.17199E-06	.51818E-05
2	.12030E-02	-.17081E-04	-.21530E-04	.19865E-05	-.85018E-05	-.52429E-06
3	.80222E-04	-.29043E-04	.11356E-03	.35121E-05	.13981E-05	-.68931E-06
4	-.58768E-03	.57562E-04	-.21756E-03	-.33442E-05	-.24180E-05	-.22388E-05
5	-.40402E-03	.41382E-04	-.18441E-02	-.32770E-05	-.14824E-04	-.56791E-06
6	.11636E-02	-.30562E-03	-.11077E-02	.15123E-04	-.50334E-05	.16562E-04
7	.17064E-02	.18558E-04	.94402E-03	-.33768E-05	-.13715E-04	.14896E-05
8	.67791E-04	.10124E-04	.61131E-04	-.78372E-06	-.50440E-06	.64212E-06
9	-.18758E-02	-.16249E-03	.46969E-03	.10480E-04	-.70746E-05	.87696E-05
10	.39424E-04	-.15541E-05	-.52943E-05	-.27334E-06	.21577E-06	.17630E-06
11	.21098E-05	.10440E-04	.72038E-06	.27151E-06	.98698E-08	.14577E-06
12	-.88229E-04	-.36516E-04	-.11967E-03	.63074E-06	-.66165E-06	-.12237E-05
13	-.60822E-04	.63691E-04	-.96335E-04	.82733E-07	-.42352E-06	.26751E-06
14	.42532E-05	-.48365E-05	.99956E-05	-.84429E-06	.19203E-05	.10809E-05
15	.79214E-04	-.39278E-05	.55459E-04	.86834E-06	-.17228E-05	-.92067E-06
16	-.15712E-07	-.26940E-07	.21273E-08	.45464E-09	.26185E-09	.13794E-11
17	-.29021E-04	.13215E-05	-.21271E-04	-.17622E-07	.15650E-06	.35172E-07
18	-.48829E-04	.65092E-05	-.40113E-04	-.17352E-05	.20435E-07	.88998E-07
19	.41725E-04	-.16256E-05	.35040E-04	.11203E-06	.15957E-07	-.48408E-08
20	-.22556E-07	-.49105E-07	-.19986E-07	.12372E-10	.35091E-09	.82520E-09
21	.79792E-05	.32475E-04	.89177E-05	-.23610E-06	.21655E-06	-.20593E-06
22	.35191E-05	-.50786E-05	.28961E-05	.71709E-07	.56612E-09	-.22090E-07
23	-.30951E-05	.35359E-05	-.40157E-05	-.37539E-07	-.34022E-06	.55051E-07
24	-.22082E-06	-.17308E-04	.20280E-06	-.13395E-06	-.14639E-07	-.19559E-06
25	-.17412E-05	-.50017E-06	-.74415E-05	-.91634E-07	.14446E-07	-.60889E-07
26	.80042E-05	.21461E-05	.10490E-04	-.71317E-07	-.14323E-06	-.14443E-06
27	.10788E-04	-.53797E-05	-.18286E-05	.22963E-06	-.58180E-07	-.40640E-07
28	.24065E-06	.18081E-05	.46010E-05	.10735E-06	.17129E-06	-.20902E-06
29	.39325E-05	-.29034E-05	.85828E-05	-.19990E-06	-.20940E-06	.88001E-07
30	-.96978E-06	-.54906E-05	-.35346E-06	-.29344E-08	.17073E-07	-.40905E-07
31	-.84333E-05	.18385E-05	-.82615E-05	.49344E-07	.26028E-07	-.71321E-07

MAXIMUM VALUE	.18758E-02	.30562E-03	.12441E-02	.15123E-04	.14824E-04	.16562E-04
ABSOLUTE SUM	.76202E-02	.92711E-03	.55321E-02	.57764E-04	.60001E-04	.41744E-04
SQRT. SUM OF SQ	.31279E-02	.37283E-03	.24354E-02	.22612E-04	.23900E-04	.19763E-04
CLS LY SP MODES	.38508E-02	.41014E-03	.30125E-02	.26277E-04	.28451E-04	.21446E-04

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1	-.91528E-04	.20204E-03	.30760E-03	-.10619E-04	-.10698E-06	.49594E-05
2	.84444E-03	-.10421E-03	-.34575E-03	.21360E-05	-.76278E-05	.10520E-06
3	.14959E-03	-.18855E-03	.17783E-03	.45575E-05	.16199E-05	-.53116E-06
4	-.71295E-03	.34077E-03	-.33035E-03	-.44703E-05	-.26533E-05	-.25152E-05
5	-.11208E-02	.24345E-03	-.25168E-02	-.42632E-05	-.16112E-04	-.67137E-06
6	.94408E-03	-.18502E-02	-.13211E-02	.19665E-04	-.49513E-05	.17468E-04
7	.11352E-02	.12778E-03	.41855E-03	-.40941E-05	-.12758E-04	.15409E-05
8	.47109E-04	.28020E-04	.42318E-04	-.92154E-06	-.47754E-06	.44467E-06
9	-.22174E-02	-.10737E-02	.15100E-03	.12537E-04	-.71843E-05	.82723E-05
10	.46021E-04	.31521E-05	-.26943E-07	-.28081E-06	.33622E-07	.19651E-06
11	.24587E-05	-.14165E-05	.10599E-05	.16439E-06	.32958E-08	.97965E-08
12	-.10774E-03	-.37001E-04	-.13770E-03	.11482E-05	.72415E-08	-.97224E-06
13	-.71658E-04	.81254E-04	-.10595E-03	-.44184E-06	.11064E-06	-.17309E-06
14	.84655E-04	-.97576E-05	.82301E-04	-.97991E-06	.13470E-05	.10828E-05
15	-.42067E-05	-.97379E-05	-.20014E-04	.10397E-05	-.17769E-05	-.92590E-06
16	-.44076E-08	-.56669E-07	.11555E-07	.56821E-09	.18511E-09	-.10337E-10
17	-.17881E-04	.11139E-05	-.10902E-04	-.44055E-07	.34324E-06	.48661E-07
18	-.39848E-04	.12090E-04	-.31771E-04	-.17823E-06	.44214E-06	.10322E-06
19	.35374E-04	-.73640E-05	.29142E-04	.11948E-06	-.36097E-06	-.22236E-07
20	-.26559E-08	-.91311E-07	-.94928E-09	-.14627E-09	.49083E-09	.68930E-09
21	.15261E-04	.56616E-04	.15227E-04	-.16912E-06	.26733E-07	-.81393E-07
22	.28140E-05	-.82982E-05	.22380E-05	.66919E-07	-.37196E-07	-.39125E-07
23	-.16671E-04	.34677E-05	-.16072E-04	-.41995E-07	-.12890E-06	.65029E-07
24	-.73233E-06	-.51909E-05	.18237E-07	-.12284E-06	.14550E-08	-.15505E-06
25	-.49013E-06	.58442E-05	-.83561E-05	-.65007E-07	.17577E-07	-.14071E-07
26	-.92317E-06	.12762E-04	.27204E-05	.94833E-08	-.26322E-06	-.65579E-07
27	.61707E-05	-.14063E-04	-.80581E-05	.17647E-06	-.14741E-06	-.13516E-06
28	.71133E-05	.47785E-05	.12105E-04	.16897E-06	.55741E-07	-.17679E-06
29	-.67697E-05	.28414E-05	.10887E-05	-.21039E-06	-.13978E-06	.12327E-06
30	-.13038E-07	-.33977E-05	.33307E-06	-.26373E-07	.13788E-07	-.60834E-07
31	-.41218E-05	.20965E-05	-.50979E-05	.82219E-07	.15564E-06	-.57014E-07

MAXIMUM VALUE	.22174E-02	.18502E-02	.25168E-02	.19666E-04	.16112E-04	.17468E-04
ABSOLUTE SUM	.77343E-02	.44411E-02	.61024E-02	.68802E-04	.59048E-04	.41016E-04
SQRT. SUM OF SQ	.31044E-02	.22063E-02	.29452E-02	.27234E-04	.24027E-04	.20272E-04
CLS LY SP MODES	.37322E-02	.23697E-02	.34119E-02	.31843E-04	.28630E-04	.21911E-04

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1	-.96199E-04	.39582E-03	.30063E-03	-.97647E-05	-.26344E-06	.48183E-05
2	.56914E-03	-.20312E-03	-.64573E-03	.19887E-05	-.60286E-05	.42719E-06





29	-6.97E-05	284.3E-05	1.08E-05	210397E-06	13978E-06	12327E-06
30	-1.338E-07	339.7E-05	33307E-06	26373E-07	13788E-07	60834E-07
31	-4.121E-05	20465E-05	50979E-05	82217E-07	15564E-06	57014E-07

MAXIMUM VALUE	22174E-02	18502E-02	25168E-02	19666E-04	16112E-04	17468E-04
ABSOLUTE SUM	77303E-02	44411E-02	61024E-02	68802E-04	59048E-04	41016E-04
SORT. SUM OF SG	31044E-02	22063E-02	29452E-02	27234E-04	24027E-04	20272E-04
CLS LY SP MODES	37322E-02	23897E-02	34119E-02	31843E-04	28630E-04	21911E-04

18 18

1	-96199E-04	39582E-03	30063E-03	-97647E-05	-26344E-06	48183E-05
2	56414E-03	-20312E-03	-64573E-03	19887E-05	-60288E-05	02719E-06
3	21355E-03	-36096E-03	24826E-03	52104E-05	14909E-05	-78089E-06
4	-80968E-03	63419E-03	-8341E-03	-47144E-05	-18541E-05	-19085E-05
5	-17243E-02	44833E-03	-31889E-02	-46247E-05	-13095E-04	-14764E-06
6	76265E-03	-33720E-02	-15265E-02	19173E-04	-39359E-05	13422E-04
7	63325E-03	22869E-03	-12916E-03	-45043E-05	-11748E-04	19010E-05
8	28079E-04	49636E-04	21719E-04	-95111E-06	-46018E-06	36029E-06
9	-24631E-02	-18800E-02	-13134E-03	11522E-04	-51088E-05	48228E-05
10	43263E-04	54086E-05	-35816E-05	-28664E-06	-15869E-06	21721E-06
11	23826E-05	-39839E-05	99893E-06	86432E-07	-55847E-08	-89346E-07
12	-89396E-04	-50517E-04	-11715E-03	14535E-05	83966E-06	-94127E-06
13	-53379E-04	11409E-03	-85368E-04	-51323E-06	73948E-06	-16111E-06
14	11877E-03	-13503E-04	11803E-03	-11752E-05	25576E-06	10321E-05
15	-68477E-04	-13079E-04	-90583E-04	11803E-05	-11632E-05	-96224E-06
16	90957E-09	-72767E-07	16109E-07	43082E-09	33067E-10	-25317E-09
17	-10436E-05	88246E-06	74883E-05	-68593E-07	39318E-06	63917E-07
18	-13143E-04	12660E-04	-27089E-05	13583E-06	69252E-06	15810E-06
19	12662E-04	-46169E-05	44299E-05	89543E-07	-59945E-06	-72705E-07
20	17131E-07	-93819E-07	21423E-07	-70403E-09	40267E-09	21430E-09
21	11096E-04	52982E-04	10241E-04	12624E-04	-18520E-06	23047E-06
22	52774E-06	-73410E-05	-25822E-06	30174E-07	-57113E-07	-82050E-07
23	-10787E-04	16044E-05	-13600E-04	-39201E-07	16308E-06	79326E-07
24	-41848E-06	56509E-05	64081E-06	-93901E-07	15575E-07	-94245E-07
25	16417E-05	60059E-05	-79235E-05	-10704E-07	24380E-07	52337E-07
26	-91176E-05	87750E-05	-59234E-05	13573E-06	-13555E-06	40210E-07
27	39852E-06	-87279E-05	-15773E-04	81512E-07	-11478E-06	-25143E-06
28	41533E-05	24911E-05	99057E-05	24727E-06	-11078E-06	-13657E-06
29	-10076E-04	82343E-05	-46025E-06	-19412E-06	17037E-07	17545E-06
30	40069E-06	17100E-05	55078E-06	-37012E-07	-33021E-09	-62357E-07
31	49643E-05	-21758E-06	40054E-05	11471E-06	16501E-06	-47707E-07

MAXIMUM VALUE	24631E-02	33720E-02	31889E-02	19173E-04	13095E-04	13422E-04
ABSOLUTE SUM	77553E-02	78964E-02	71261E-02	68561E-04	49820E-04	33539E-04
SORT. SUM OF SG	33294E-02	39888E-02	36518E-02	26403E-04	19929E-04	15428E-04
CLS LY SP MODES	39210E-02	43245E-02	40922E-02	31545E-04	23706E-04	17269E-04

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1	-10900E-03	50636E-03	28184E-03	-88293E-05	-56879E-06	47542E-05
2	38076E-03	-29267E-03	-87806E-03	15803E-05	-38145E-05	43956E-06
3	26156E-03	-50919E-03	31147E-03	55439E-05	10723E-05	-14102E-05
4	-85645E-03	86519E-03	-49290E-03	-42349E-05	-44649E-06	-47419E-06
5	-21008E-02	60324E-03	-36938E-02	-44827E-05	-65702E-05	95366E-06
6	65305E-03	-44904E-02	-16778E-02	14772E-04	-18646E-05	49740E-05
7	24734E-03	29506E-03	-63176E-03	-46933E-05	-92346E-05	25171E-05
8	12224E-04	67285E-04	12501E-05	-89431E-06	-40684E-06	37910E-06
9	-25921E-02	-23693E-02	-31483E-03	83271E-05	-18449E-05	-10246E-05
10	34978E-04	52120E-05	-14968E-04	-29454E-06	-28512E-06	23520E-06
11	20313E-05	-62815E-07	56610E-06	42901E-07	-12782E-07	-14818E-06
12	-46538E-04	-61412E-04	-61004E-04	16139E-05	14083E-05	-10874E-05
13	-17754E-04	13394E-03	-38279E-04	-28681E-06	11761E-05	20505E-06
14	10772E-03	-14093E-04	10194E-03	-14061E-05	-97906E-06	94432E-06
15	-93874E-04	-12033E-04	-12302E-03	13171E-05	42819E-07	-10066E-05
16	-29705E-09	-66209E-07	13145E-07	19706E-09	-13741E-09	-59686E-09
17	11764E-04	48824E-06	24139E-04	-94937E-07	20947E-06	77238E-07
18	12175E-04	81312E-05	30089E-04	-92319E-07	51128E-06	21162E-06
19	-96205E-05	-75578E-05	-24434E-04	51035E-07	-46180E-06	-13079E-06
20	27196E-07	-57794E-07	35338E-07	-12699E-08	45894E-10	-24106E-09
21	21022E-05	26548E-04	-19123E-05	37310E-06	-26050E-06	46885E-06
22	-14753E-05	-32219E-05	-28543E-05	42003E-08	-33626E-07	-11021E-06
23	-53011E-05	-69669E-06	-81333E-06	-52280E-07	30222E-06	74691E-07
24	12968E-06	10254E-04	16618E-05	-10913E-07	13159E-07	26679E-07
25	33240E-05	19769E-05	-78340E-05	22020E-07	25037E-07	90264E-07
26	-11664E-04	-92908E-06	-68768E-05	18987E-06	65227E-07	55880E-07
27	-11524E-05	22679E-05	-19326E-04	78829E-07	73506E-07	-25459E-06
28	-20647E-05	-14798E-05	29774E-05	29047E-06	-15398E-06	-14034E-06
29	-79236E-05	20549E-05	46178E-05	-19916E-06	12489E-06	21260E-06
30	23476E-06	49175E-05	75263E-07	63547E-08	-13824E-07	-88266E-09
31	92871E-05	-21920E-05	86777E-05	11713E-06	-53105E-07	-74403E-07



21	.222E-05	.2678E-04	-.1912E-05	.3731E-06	-.26050E-06	.46885E-07
22	-.14753E-05	-.32219E-05	-.28543E-05	.42003E-07	-.33626E-07	-.11021E-06
23	-.53011E-05	-.69669E-06	-.81333E-06	-.5228E-07	.30222E-06	.74691E-07
24	-.12948E-06	.10254E-04	.16618E-05	-.1091E-07	.13159E-07	.26679E-07
25	.33240E-05	.19769E-05	-.78340E-05	.2202E-07	.25037E-07	.90264E-07
26	-.11664E-04	-.92908E-06	-.88768E-05	.18987E-06	.65227E-07	.55880E-07
27	-.11524E-05	.22679E-05	-.19326E-04	.78829E-07	.73506E-07	-.25459E-06
28	-.20647E-05	-.14798E-05	.29774E-05	.29047E-06	-.15398E-06	-.14034E-06
29	-.79236E-05	.20549E-05	.46178E-05	-.1991E-06	.12489E-06	.21260E-06
30	-.2347E-06	.69175E-05	.75263E-07	.63547E-08	-.13824E-07	-.88266E-09
31	.92871E-05	-.21926E-05	.86797E-05	-.11715E-06	-.53105E-07	-.74403E-07

MAXIMUM VALUE	.25921E-02	.44904E-02	.36936E-02	.14772E-04	.92348E-05	.49740E-05
ABSOLUTE SUM	.75943E-02	.10298E-01	.87618E-02	.59899E-04	.32049E-04	.22483E-04
SORT. SUM OF SC	.35501E-02	.52541E-02	.42640E-02	.21597E-04	.12530E-04	.78643E-05
CLSLY SP MODES	.41286E-02	.57058E-02	.49255E-02	.26732E-04	.14524E-04	.96449E-05

16	16	1	-.13143E-03	.53361E-03	.24398E-03	-.78411E-05	-.94518E-06	.47379E-05
		2	.29580E-03	-.35160E-03	-.10030E-02	.96264E-06	-.12762E-05	.17760E-06
		3	.28590E-03	-.59618E-03	.35670E-03	.56808E-05	.49674E-06	-.22788E-05
		4	-.84227E-03	.96267E-03	-.46931E-03	-.32844E-05	.12410E-05	.15113E-05
		5	-.21691E-02	.65636E-03	-.38156E-02	-.40297E-05	.17919E-05	.24127E-05
		6	.63740E-03	-.48370E-02	-.17051E-02	.82593E-05	.82089E-06	-.56948E-05
		7	.54373E-05	.30102E-03	-.10090E-02	-.47941E-05	-.57375E-05	.32123E-05
		8	.42501E-06	.73293E-04	-.17045E-04	-.78703E-06	-.31722E-06	.46062E-06
		9	-.25743E-02	-.23390E-02	-.31700E-03	.43102E-05	.14696E-05	-.74893E-05
		10	.24739E-04	.25769E-05	-.31293E-04	-.30907E-06	-.31782E-06	.24258E-06
		11	.15074E-05	.73126E-05	-.21214E-06	.25184E-07	-.16116E-07	-.16495E-06
		12	.76272E-05	-.53976E-04	.24445E-04	.17080E-05	.17265E-05	-.13114E-05
		13	.24026E-04	.11317E-03	.28262E-04	.80233E-07	.13117E-05	.70211E-06
		14	.57367E-04	-.99327E-05	.21402E-04	-.16555E-05	-.19101E-05	.84927E-06
		15	-.69403E-04	-.46046E-05	-.83877E-04	.14715E-05	.12709E-05	-.10233E-05
		16	-.64588E-08	-.28815E-07	.16960E-08	-.66525E-12	-.24617E-09	-.84829E-09
		17	.13727E-04	-.21515E-06	.27619E-04	-.12412E-06	-.81328E-07	.86523E-07
		18	.22255E-04	.14072E-05	.45001E-04	-.69853E-07	.69811E-07	.22854E-06
		19	-.19232E-04	-.51306E-06	-.39077E-04	.25557E-07	-.88862E-07	-.16369E-06
		20	.20435E-07	.13820E-07	.25668E-07	-.16647E-08	-.34301E-09	-.39404E-09
		21	-.59653E-05	-.16708E-04	-.14930E-04	.48043E-06	-.18969E-06	.08047E-06
		22	-.18435E-05	.29126E-05	-.33908E-05	.32577E-09	.99216E-08	-.10366E-06
		23	.50034E-05	-.20616E-05	.15581E-04	-.76471E-07	.24272E-06	.55753E-07
		24	.21077E-06	.34545E-05	.20748E-05	.65633E-07	.43616E-09	.12153E-06
		25	.51272E-05	-.40818E-05	-.68020E-05	.22503E-07	.24259E-07	.78799E-07
		26	-.55050E-05	-.91906E-05	.82017E-06	.18425E-06	.20841E-06	-.12308E-07
		27	.58353E-05	.10345E-04	.91382E-05	.14463E-06	.23219E-06	-.16538E-06
		28	-.71810E-05	-.34354E-05	-.40674E-05	.31353E-06	-.86908E-07	-.17070E-06
		29	-.36788E-05	-.28105E-05	.12835E-04	-.22730E-06	.11116E-06	.20590E-06
		30	-.24966E-06	.13840E-05	-.95982E-06	.52553E-07	-.15655E-07	.52438E-07
		31	.28963E-05	-.90724E-06	-.20659E-05	.11595E-06	-.21681E-06	-.10076E-06

MAXIMUM VALUE	.25743E-02	.48370E-02	.38156E-02	.82593E-05	.57375E-05	.74893E-05
ABSOLUTE SUM	.72256E-02	.10902E-01	.93044E-02	.47106E-04	.22257E-04	.34297E-04
SORT. SUM OF SC	.35560E-02	.55769E-02	.44731E-02	.15507E-04	.73344E-05	.11805E-04
CLSLY SP MODES	.40978E-02	.60684E-02	.52357E-02	.19965E-04	.88468E-05	.14239E-04

15	15	1	-.16106E-03	.48594E-03	.18410E-03	-.68273E-05	-.13139E-05	.47387E-05
		2	.29124E-03	-.36756E-03	-.10615E-02	.18743E-06	.12063E-05	-.32270E-06
		3	.29115E-03	-.60906E-03	.36149E-03	.57392E-05	-.10794E-06	-.32461E-05
		4	-.74802E-03	.90333E-03	-.36448E-03	-.21053E-05	.26591E-05	.37717E-05
		5	-.20007E-02	.59334E-03	-.35087E-02	-.34503E-05	.10311E-04	.40093E-05
		6	.69770E-03	-.43959E-02	-.15424E-02	.13595E-05	.35977E-05	-.16387E-04
		7	-.99653E-04	.24888E-03	.12064E-02	-.49417E-05	-.16093E-05	.38083E-05
		8	-.68147E-05	.66665E-04	-.30611E-04	-.66323E-06	-.19162E-06	.56353E-06
		9	-.24841E-02	-.18628E-02	-.17903E-03	.76763E-06	.38647E-05	-.12771E-04
		10	.16558E-04	-.13395E-05	-.47210E-04	-.33453E-06	-.23535E-06	.23154E-06
		11	.10472E-05	.15131E-04	-.10401E-05	.32707E-07	-.13651E-07	-.13802E-06
		12	.54170E-04	-.27900E-04	.11386E-03	.18115E-05	.14515E-05	-.15126E-05
		13	.58294E-04	.58205E-04	.94831E-04	.40250E-06	.10387E-05	.11030E-05
		14	-.14260E-05	-.37648E-05	-.92746E-04	-.18953E-05	-.21019E-05	.77748E-06
		15	-.21808E-04	.59434E-05	.80705E-05	.16659E-05	.19921E-05	-.97603E-06
		16	-.12937E-07	.19581E-07	-.12729E-07	-.36365E-10	-.21173E-09	-.81080E-09
		17	.78144E-05	-.10835E-05	.15425E-04	-.15717E-06	-.35095E-06	.89682E-07
		18	.17802E-04	-.10892E-04	.36183E-04	-.89669E-07	-.45661E-06	.17294E-06
		19	-.16160E-04	.74927E-05	-.32579E-04	.33627E-07	.37510E-06	-.13801E-06
		20	.68785E-08	.78572E-07	.83341E-09	-.17188E-08	-.52913E-09	.43923E-10
		21	-.89792E-05	-.49829E-04	-.21034E-04	.36220E-06	.53890E-07	.10875E-06
		22	-.10264E-05	.72191E-05	-.17726E-05	.29270E-07	.49894E-07	-.42006E-07
		23	.06696E-05	-.18945E-05	.23509E-04	-.10722E-06	-.56744E-07	.27222E-07

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13	5.04E-04	5.825E-04	9.483E-04	4.025E-04	5.103E-05	1.1030E-05
14	1.426E-05	3.768E-05	9.274E-04	1.895E-05	2.1019E-05	7.7748E-06
15	2.1808E-04	5.943E-05	8.070E-05	1.665E-05	1.9921E-05	9.7603E-06
16	1.2937E-07	1.9581E-07	1.2729E-07	3.636E-07	2.1173E-09	8.1080E-09
17	7.8144E-05	1.0835E-05	1.5425E-04	1.571E-05	3.5095E-06	8.9682E-07
18	1.7802E-04	1.0892E-04	3.6183E-04	8.9668E-07	4.5661E-06	1.7294E-06
19	1.6160E-04	7.4987E-05	3.2579E-04	3.3627E-07	3.7510E-06	1.3801E-06
20	6.8755E-03	7.8572E-07	8.334E-09	1.7184E-08	5.2913E-09	4.3923E-10
21	8.9742E-05	4.9829E-04	2.1034E-04	3.622E-06	3.3890E-07	1.0875E-06
22	1.0264E-05	7.2191E-05	1.7726E-05	2.9273E-07	4.9894E-07	4.2006E-07
23	9.0699E-05	1.8945E-05	2.3509E-04	1.0722E-06	5.6744E-07	2.7222E-07
24	6.3392E-07	5.793E-05	1.8403E-05	7.8147E-07	1.5496E-07	1.0244E-06
25	6.4594E-05	7.266E-05	6.3618E-05	1.9310E-07	1.8874E-07	3.4272E-08
26	4.2711E-06	1.0338E-04	1.2133E-04	1.3078E-06	1.0913E-06	1.5804E-06
27	1.3449E-04	1.0552E-04	3.6947E-05	2.5607E-06	1.6436E-06	4.8629E-08
28	8.3327E-05	2.426E-05	5.0679E-05	3.3104E-06	8.1604E-07	2.0991E-06
29	2.6812E-05	5.5209E-05	1.6474E-04	2.9970E-06	8.2627E-07	1.2588E-06
30	4.3972E-06	3.390E-05	1.6339E-05	5.2861E-07	4.8327E-08	2.4936E-07
31	2.6656E-05	1.2452E-05	1.3475E-04	1.3629E-06	4.9844E-07	8.9674E-07

MAXIMUM VALUE	2.4841E-02	4.3959E-02	3.5087E-02	6.8274E-05	1.0311E-04	1.6387E-04
ABSOLUTE SUM	7.0691E-02	9.7702E-02	8.9777E-02	3.4271E-04	3.3545E-04	5.5655E-04
SORT. SUM OF SC	3.3905E-02	4.9778E-02	4.2039E-02	1.1561E-04	1.2619E-04	2.2697E-04
CLS LY SP MODES	3.9104E-02	5.4246E-02	4.9444E-02	1.3983E-04	1.5236E-04	2.6784E-04

1a	14	1				
1	1.1031E-03	3.7049E-03	1.0300E-03	5.8078E-05	1.6001E-05	4.7223E-05
2	3.4078E-03	3.2769E-03	8.6240E-03	7.0171E-06	3.2961E-05	1.0021E-05
3	2.8123E-03	5.5494E-03	3.3905E-03	5.8084E-05	5.9689E-06	4.1106E-05
4	7.1403E-03	6.6687E-03	1.8581E-03	8.6230E-06	3.5361E-05	5.9596E-05
5	1.6445E-02	4.0145E-03	2.7194E-02	2.8630E-05	1.7379E-04	5.4844E-05
6	8.0870E-03	3.1704E-02	1.3206E-02	4.8646E-05	5.7616E-05	2.4553E-04
7	8.9256E-04	1.4088E-03	1.1731E-02	5.1953E-05	2.1734E-05	4.1278E-05
8	9.6912E-05	4.6473E-04	3.7091E-04	5.4485E-06	6.2398E-07	6.3969E-06
9	2.3515E-02	1.0255E-02	7.8019E-04	1.6947E-05	5.0444E-05	1.5204E-04
10	1.2735E-04	5.0609E-05	5.6080E-04	3.6905E-06	9.7338E-07	2.0349E-06
11	7.6492E-06	2.0323E-04	1.6279E-05	5.2073E-07	7.6548E-08	9.1874E-07
12	8.0676E-04	1.7194E-04	1.7776E-03	1.9444E-05	9.0272E-06	1.6370E-05
13	7.5815E-04	2.3437E-04	1.3820E-03	6.4457E-06	5.7531E-06	1.2913E-05
14	4.6373E-04	9.9046E-06	2.0149E-03	2.1253E-05	1.7645E-05	7.3840E-06
15	2.7946E-04	1.6799E-04	1.2780E-03	1.8882E-05	2.1632E-05	8.8124E-06
16	1.5459E-07	5.8796E-07	2.1372E-07	4.5727E-10	5.0012E-10	5.3938E-09
17	2.8485E-05	2.0143E-05	1.0527E-04	1.9171E-06	5.1308E-06	9.1106E-07
18	1.5216E-05	1.5301E-04	3.4386E-05	1.2587E-06	8.4475E-06	9.4195E-07
19	2.3278E-05	1.2450E-04	1.4341E-05	5.6671E-07	7.2642E-06	8.8014E-07
20	6.6449E-08	9.3688E-07	2.2946E-07	1.6423E-08	5.1859E-09	6.6897E-09
21	4.7343E-05	4.6045E-04	1.1121E-04	1.7006E-06	2.6264E-06	3.4919E-06
22	5.0019E-06	5.9193E-05	1.9503E-05	6.8021E-07	7.0069E-07	2.9154E-07
23	3.1165E-05	3.2018E-06	9.1273E-05	1.3707E-06	3.5951E-06	5.2421E-08
24	7.5775E-06	1.0809E-04	5.3048E-06	5.6483E-07	2.4016E-07	2.1050E-07
25	7.0716E-05	2.7776E-05	5.4726E-05	6.6217E-07	1.4678E-07	7.9433E-07
26	6.6646E-06	1.0972E-05	1.1987E-04	8.5707E-07	6.2237E-07	2.5943E-06
27	1.4750E-04	1.7017E-05	7.8547E-05	3.5403E-06	6.6852E-08	9.7417E-07
28	4.3673E-05	2.5301E-05	5.1459E-05	3.5763E-06	2.0311E-06	2.2361E-06
29	8.0217E-05	1.4075E-05	4.2183E-05	3.7737E-06	2.6340E-06	5.2722E-07
30	1.5381E-06	3.8403E-05	5.2507E-06	3.5413E-07	2.4341E-07	2.2993E-07
31	3.0837E-07	1.8819E-05	7.1515E-05	1.6605E-06	1.8610E-06	6.3496E-07

MAXIMUM VALUE	2.3515E-02	3.1704E-02	2.7194E-02	5.8087E-05	1.7379E-04	2.4553E-04
ABSOLUTE SUM	6.7480E-02	6.8771E-02	7.6084E-02	3.7613E-04	4.8543E-04	7.2132E-04
SORT. SUM OF SC	3.1177E-02	3.5023E-02	3.3983E-02	1.1987E-04	2.0062E-04	3.1036E-04
CLS LY SP MODES	3.5642E-02	3.8105E-02	3.9908E-02	1.4837E-04	2.3641E-04	3.6192E-04

13	13	1				
1	2.2194E-03	2.0085E-03	6.9206E-05	4.7983E-05	1.7275E-05	4.6530E-05
2	4.0932E-03	2.3028E-03	6.3422E-03	1.6623E-05	4.5668E-05	1.8004E-05
3	2.6703E-03	3.8487E-03	2.9405E-03	5.9713E-05	8.3033E-06	4.6690E-05
4	6.4729E-03	2.8312E-03	2.4313E-04	2.8981E-06	3.5870E-05	7.7248E-05
5	1.3019E-02	1.0475E-03	1.5990E-02	2.3751E-05	2.1423E-04	6.5788E-05
6	9.2201E-03	1.5083E-02	9.9587E-03	9.4311E-05	6.5434E-05	2.7621E-04
7	2.6144E-04	2.3337E-05	9.6324E-03	5.6147E-05	4.6112E-05	3.9921E-05
8	9.9301E-05	1.8312E-04	3.7276E-04	4.5192E-06	3.7604E-07	6.4026E-06
9	2.2374E-02	1.2755E-03	3.5902E-03	2.5273E-05	4.9144E-05	1.3105E-04
10	1.2078E-04	8.9840E-05	5.7720E-04	4.1047E-06	3.0882E-07	1.5988E-06
11	6.5685E-06	2.3164E-04	1.8515E-05	7.0684E-07	6.6338E-09	5.1411E-07
12	9.1722E-04	7.4008E-04	2.1271E-03	2.1250E-05	3.0217E-06	1.6303E-05
13	8.1637E-04	1.0920E-03	1.5307E-03	7.6893E-06	1.3901E-06	1.1499E-05
14	7.3082E-04	3.1746E-06	2.8638E-03	2.3420E-05	1.1218E-05	7.4160E-06
15	6.5320E-04	2.7613E-04	2.4560E-03	2.1267E-05	1.7894E-05	7.5571E-06



5	-.119E-02	-.104E-03	-.1599E-02	-.2375E-05	-.21423E-04	-.65788E-05
6	-.92201E-03	-.15083E-02	-.94687E-03	-.94311E-05	-.27621E-04	-.76813E-04
7	-.26144E-04	-.23337E-05	-.96324E-03	-.56147E-05	-.46112E-05	-.39971E-05
8	-.99301E-05	-.18312E-04	-.37276E-04	-.95192E-05	-.37604E-07	-.64026E-06
9	-.22374E-02	-.12755E-03	-.35902E-03	-.25273E-05	-.49144E-05	-.13105E-04
10	-.12078E-04	-.89840E-05	-.57720E-04	-.41047E-06	-.30802E-07	-.15988E-06
11	-.65685E-06	-.23166E-04	-.18515E-05	-.70681E-07	-.66338E-09	-.51411E-07
12	-.91722E-04	-.74608E-04	-.21271E-03	-.21253E-05	-.34217E-06	-.16303E-05
13	-.81637E-04	-.10920E-03	-.15307E-03	-.76893E-04	-.13901E-06	-.11499E-05
14	-.73082E-04	-.31744E-06	-.20638E-03	-.23223E-05	-.11218E-05	-.74160E-06
15	-.65320E-04	-.27613E-04	-.24560E-03	-.21267E-05	-.17894E-05	-.75571E-06
16	-.13592E-07	-.76965E-07	-.18643E-07	-.20303E-09	-.22435E-09	-.90417E-10
17	-.12410E-04	-.34973E-05	-.41029E-04	-.22544E-06	-.48269E-06	-.95286E-07
18	-.14986E-04	-.16249E-04	-.56915E-04	-.15425E-06	-.87305E-06	-.42537E-07
19	-.11993E-04	-.14933E-04	-.47491E-04	-.77243E-07	-.76286E-06	-.48600E-07
20	-.15488E-07	-.70650E-07	-.55532E-07	-.16343E-08	-.32268E-09	-.10705E-08
21	-.13955E-05	-.18414E-04	-.78237E-05	-.45704E-07	-.34855E-06	-.59143E-06
22	-.17656E-05	-.13353E-05	-.59948E-05	-.95007E-07	-.56911E-07	-.63512E-07
23	-.48596E-05	-.29632E-05	-.16063E-04	-.15913E-06	-.42749E-06	-.61917E-08
24	-.12991E-05	-.10354E-04	-.77285E-06	-.28803E-07	-.16262E-07	-.70008E-07
25	-.81925E-05	-.40343E-05	-.51696E-05	-.83583E-07	-.90272E-08	-.71025E-07
26	-.19519E-05	-.14651E-04	-.27953E-05	-.10122E-06	-.20896E-06	-.19278E-06
27	-.13016E-04	-.14110E-04	-.43473E-05	-.38373E-06	-.11528E-06	-.10012E-07
28	-.74685E-06	-.78736E-05	-.17350E-04	-.40093E-06	-.13063E-06	-.17699E-06
29	-.13507E-04	-.36397E-05	-.12258E-04	-.42421E-06	-.22512E-06	-.67876E-07
30	-.75230E-06	-.15298E-05	-.94822E-06	-.26602E-07	-.19171E-07	-.57773E-07
31	-.45805E-05	-.16237E-05	-.69398E-05	-.19393E-06	-.22281E-06	-.45004E-07

MAXIMUM VALUE	-.22374E-02	-.15083E-02	-.15990E-02	-.94311E-05	-.21423E-04	-.27621E-04
ABSOLUTE SUM	-.64596E-02	-.32237E-02	-.60652E-02	-.43374E-04	-.55570E-04	-.76813E-04
SQRT SUM OF SC	-.28783E-02	-.16272E-02	-.22902E-02	-.14498E-04	-.24315E-04	-.33260E-04
CLS LY SP MODES	-.32288E-02	-.17207E-02	-.27126E-02	-.18243E-04	-.28538E-04	-.39071E-04

12	12	1	-.22350E-03	-.18632E-03	-.30269E-06	-.47268E-05	-.17291E-05	-.46465E-05
		2	-.41346E-03	-.22129E-03	-.61466E-03	-.17341E-05	-.46206E-05	-.18621E-05
		3	-.26614E-03	-.37509E-03	-.29240E-03	-.59863E-05	-.83750E-06	-.46965E-05
		4	-.64374E-03	-.25076E-03	-.39401E-04	-.37007E-06	-.35594E-05	-.78344E-05
		5	-.12806E-02	-.79745E-04	-.15094E-02	-.23434E-05	-.21602E-04	-.66421E-05
		6	-.92826E-03	-.13826E-02	-.92891E-03	-.96984E-05	-.65437E-05	-.27643E-04
		7	-.21636E-04	-.89162E-05	-.94268E-03	-.56510E-05	-.47285E-05	-.39647E-05
		8	-.98927E-05	-.16066E-04	-.37061E-04	-.44622E-06	-.43355E-07	-.63741E-06
		9	-.22309E-02	-.69141E-04	-.37836E-03	-.25256E-05	-.48797E-05	-.12781E-04
		10	-.12114E-04	-.92422E-05	-.57499E-04	-.41373E-06	-.39265E-07	-.15619E-06
		11	-.65441E-06	-.23269E-04	-.18495E-05	-.71991E-07	-.17222E-09	-.48853E-07
		12	-.91943E-04	-.19224E-04	-.21371E-03	-.21393E-05	-.30303E-06	-.16250E-05
		13	-.81655E-04	-.11463E-03	-.15033E-03	-.77353E-06	-.10948E-06	-.11278E-05
		14	-.74022E-04	-.11086E-05	-.29048E-03	-.23571E-05	-.10664E-05	-.74334E-06
		15	-.66931E-04	-.28625E-04	-.25253E-03	-.21444E-05	-.17445E-05	-.74572E-06
		16	-.13317E-07	-.77001E-07	-.17760E-07	-.21720E-09	-.24900E-09	-.52292E-10
		17	-.12852E-04	-.36602E-05	-.42909E-04	-.22785E-06	-.47363E-06	-.95713E-07
		18	-.15794E-04	-.16195E-04	-.60489E-04	-.15599E-06	-.86189E-06	-.40105E-07
		19	-.12702E-04	-.14991E-04	-.50622E-04	-.78602E-07	-.75369E-06	-.46393E-07
		20	-.15800E-07	-.67340E-07	-.56654E-07	-.16363E-08	-.30327E-09	-.10894E-08
		21	-.17458E-05	-.15788E-04	-.92625E-05	-.39203E-07	-.34950E-06	-.60012E-06
		22	-.16155E-05	-.95216E-06	-.02149E-05	-.96591E-07	-.54718E-07	-.64530E-07
		23	-.52713E-05	-.30833E-05	-.17840E-04	-.16040E-06	-.42381E-06	-.70565E-08
		24	-.13208E-05	-.10014E-04	-.83370E-06	-.26606E-07	-.15155E-07	-.76594E-07
		25	-.82344E-05	-.44214E-05	-.51391E-05	-.83763E-07	-.96905E-08	-.67315E-07
		26	-.21454E-05	-.15304E-04	-.18523E-05	-.16449E-06	-.21517E-06	-.18206E-06
		27	-.13461E-04	-.14486E-04	-.37796E-05	-.38343E-06	-.12238E-06	-.29845E-08
		28	-.63806E-06	-.81585E-05	-.17641E-04	-.41123E-06	-.12510E-06	-.17164E-06
		29	-.13705E-04	-.37750E-05	-.13120E-04	-.42643E-06	-.21494E-06	-.72170E-07
		30	-.77690E-06	-.12793E-05	-.10193E-05	-.26285E-07	-.18042E-07	-.58649E-07
		31	-.47920E-05	-.15938E-05	-.78542E-05	-.19581E-06	-.21633E-06	-.44055E-07

MAXIMUM VALUE	-.22309E-02	-.13826E-02	-.15094E-02	-.96981E-05	-.21602E-04	-.27643E-04
ABSOLUTE SUM	-.64407E-02	-.29592E-02	-.59505E-02	-.43801E-04	-.55663E-04	-.76686E-04
SQRT SUM OF SC	-.28656E-02	-.14941E-02	-.22069E-02	-.14682E-04	-.24488E-04	-.33193E-04
CLS LY SP MODES	-.32099E-02	-.15848E-02	-.26349E-02	-.18525E-04	-.28714E-04	-.39038E-04

11	11	1	-.62891E-04	-.21810E-04	-.25003E-04	-.12695E-05	-.33701E-05	-.23229E-05
		2	-.19819E-03	-.32384E-04	-.15494E-03	-.29303E-05	-.67857E-05	-.48495E-05
		3	-.30863E-04	-.20461E-03	-.25715E-04	-.61317E-05	-.74715E-06	-.37328E-05
		4	-.10337E-03	-.36919E-03	-.21057E-03	-.11623E-04	-.35336E-05	-.18863E-04
		5	-.75860E-03	-.25414E-03	-.33503E-03	-.49605E-05	-.24144E-04	-.54699E-05
		6	-.40872E-03	-.24964E-03	-.10812E-03	-.10171E-04	-.75720E-05	-.64579E-05
		7	-.10102E-03	-.37756E-04	-.31698E-03	-.19577E-05	-.71285E-05	-.20516E-06

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VALUE	22077E-02	29533E-02	5956E-02	43801E-04	55663E-04	76686E-04
SUM	6007E-02	29533E-02	5956E-02	43801E-04	55663E-04	76686E-04
SUM OF SQ	28056E-02	14941E-02	22069E-02	14682E-04	20488E-04	33193E-04
SP MODES	32099E-02	15848E-02	26349E-02	18523E-04	28714E-04	39038E-04

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1	-.62891E-04	.21810E-04	.25003E-04	-.12693E-05	-.33741E-05	.23228E-05
2	.19819E-03	.32384E-04	-.15494E-03	-.29301E-05	.67857E-05	-.48495E-05
3	.30863E-04	-.20461E-03	-.25715E-04	.61317E-05	-.74715E-06	-.37328E-05
4	.10337E-03	-.36914E-03	-.21057E-03	.11624E-04	-.35336E-05	.18663E-04
5	-.75860E-03	-.25414E-03	-.33503E-03	.49603E-05	.20144E-04	-.54699E-05
6	.40872E-03	-.24964E-03	-.10812E-03	-.10171E-04	.75726E-05	.64579E-05
7	.10102E-03	-.37756E-04	-.31698E-03	-.19577E-05	.71285E-05	.24516E-06
8	.27519E-05	.51892E-06	-.14775E-04	-.22377E-07	.48677E-07	-.34703E-07
9	-.15023E-02	-.29935E-03	.45323E-03	-.52613E-06	.44864E-05	.12878E-04
10	.11234E-04	-.34631E-05	-.21816E-04	-.25584E-06	.29929E-06	-.60502E-07
11	.18621E-05	.21156E-04	-.63632E-05	.13885E-06	-.93283E-09	-.57158E-09
12	.33300E-04	.11187E-03	.57764E-04	.16911E-05	-.10722E-05	-.50554E-06
13	.55353E-04	-.12686E-03	.97197E-04	-.26593E-06	-.82730E-06	-.45379E-06
14	-.32329E-04	-.77957E-05	-.13715E-03	-.13753E-05	.92490E-06	.43359E-06
15	.73092E-04	.13108E-04	.15431E-03	.13003E-05	.38113E-06	.50216E-06
16	.12195E-06	-.42712E-08	.33300E-07	.43051E-11	.20440E-08	.30885E-08
17	-.72532E-05	-.63058E-05	-.35093E-04	-.17111E-06	-.45081E-07	.13149E-06
18	-.13102E-04	-.16267E-04	-.68482E-04	-.70047E-07	-.27587E-06	.22632E-06
19	.10855E-04	.15777E-04	.01278E-04	.27937E-07	.26783E-06	-.18709E-06
20	.19588E-07	.30252E-07	.35190E-07	-.13537E-08	.22093E-09	-.16848E-09
21	-.14511E-04	.15188E-04	.28595E-04	-.77663E-08	.42810E-06	.14871E-07
22	.34810E-05	-.36092E-05	-.80737E-06	.90895E-07	-.52944E-07	-.14007E-07
23	-.63232E-05	.38174E-05	-.18658E-04	-.23471E-06	-.17369E-06	.38583E-07
24	-.11430E-04	.17027E-05	.28223E-05	-.21121E-07	.74869E-07	-.45108E-07
25	.15352E-04	.70454E-06	-.36407E-05	-.24685E-07	-.26167E-07	.72627E-07
26	.81464E-05	.35261E-05	-.25186E-04	-.22121E-07	-.38007E-06	.17894E-06
27	-.17395E-04	.43399E-05	-.18937E-04	-.30530E-07	-.32193E-06	-.32193E-06
28	-.23408E-05	.29762E-05	-.15104E-04	.16538E-06	-.24555E-06	.21220E-08
29	.15955E-05	-.27299E-05	.10235E-04	-.14259E-06	.10703E-06	.21016E-06
30	.34881E-06	.56719E-06	-.15020E-05	.15079E-07	-.22639E-07	.37815E-07
31	.22948E-05	.88655E-06	.13622E-06	.12535E-06	.36655E-07	-.93081E-07

MAXIMUM VALUE	.15023E-02	.36919E-03	.45323E-03	.11624E-04	.20144E-04	.18863E-04
ABSOLUTE SUM	.34904E-02	.18321E-02	.24097E-02	.45770E-04	.63689E-04	.58387E-04
SQRT SUM OF SQ	.17540E-02	.65406E-03	.75353E-03	.17940E-04	.28022E-04	.25247E-04
CLSLY SP MODES	.18266E-02	.90550E-03	.91582E-03	.24923E-04	.32751E-04	.31455E-04

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1	-.55628E-04	.21800E-04	.28575E-04	-.12474E-05	-.33624E-05	.22880E-05
2	.18248E-03	.32379E-04	-.14529E-03	-.28935E-05	.67644E-05	-.47955E-05
3	.19427E-04	-.20455E-03	-.44254E-04	.61313E-05	-.73121E-06	-.37073E-05
4	.16043E-03	-.36924E-03	-.24517E-03	.11693E-04	-.36663E-05	.18879E-04
5	-.77200E-03	-.25417E-03	-.34880E-03	.50776E-05	.24104E-04	-.57112E-05
6	.42782E-03	-.24897E-03	.76350E-04	-.10153E-04	.74542E-05	.67622E-05
7	.10120E-03	-.37797E-04	-.30966E-03	-.18591E-05	.70931E-05	.24932E-06
8	.26091E-05	.50914E-06	-.14658E-04	-.15767E-07	.49143E-07	-.37984E-07
9	-.14553E-02	-.29886E-03	.45285E-03	-.62700E-06	.44000E-05	.12633E-04
10	.10997E-04	-.30616E-05	-.20942E-04	-.24952E-06	.24803E-06	-.58745E-07
11	.18479E-05	.21145E-04	.07691E-05	.13946E-06	-.62264E-09	-.92772E-09
12	.31621E-04	.11184E-03	.52311E-04	.16684E-05	-.10077E-05	-.49399E-06
13	.53693E-04	-.12683E-03	.97671E-04	-.28493E-06	-.82251E-06	-.44657E-06
14	-.30863E-04	-.77889E-05	-.13239E-03	-.13407E-05	.92098E-06	.42502E-06
15	.74429E-04	.13091E-04	.14971E-03	.12689E-05	.39004E-06	.50942E-06
16	.13125E-06	-.42945E-08	.33141E-07	.37966E-11	.24705E-08	.30841E-08
17	-.68108E-05	-.63006E-05	-.34439E-04	-.16045E-06	-.44093E-07	.13013E-06
18	-.12324E-04	-.16243E-04	-.08045E-04	-.64247E-07	-.27280E-06	.22555E-06
19	.10212E-04	.15756E-04	.60996E-04	.23392E-07	.26509E-06	-.18645E-06
20	.18671E-07	.30151E-07	.39378E-07	-.13421E-08	.22241E-09	-.17932E-09
21	-.14358E-04	.15197E-04	.24528E-04	-.75701E-08	.44696E-06	.21001E-07
22	.34179E-05	-.36117E-05	-.10938E-05	.69765E-07	-.52895E-07	-.14673E-07
23	-.61812E-05	.38117E-05	-.17843E-04	-.23343E-06	-.17239E-06	.38478E-07
24	-.11523E-04	.17164E-05	.29394E-05	-.20297E-07	.75411E-07	-.41577E-07
25	.15547E-04	.70437E-06	-.35991E-05	-.24919E-07	-.27328E-07	.69747E-07
26	.87020E-05	.35080E-05	-.25026E-04	-.27475E-07	-.37923E-06	.17449E-06
27	-.14390E-04	.43455E-05	-.14770E-04	-.34767E-07	-.19992E-06	-.31331E-06
28	-.23347E-05	.29585E-05	-.15584E-04	.15753E-06	-.24404E-06	.19755E-08
29	.22844E-05	-.27262E-05	.10660E-04	-.13640E-06	.10531E-06	.20648E-06
30	.48388E-06	.57286E-06	-.15471E-05	.10346E-07	-.22779E-07	.37963E-07
31	.19091E-05	.87886E-06	-.27589E-06	.12262E-06	.36957E-07	-.92851E-07

MAXIMUM VALUE	.14553E-02	.36924E-03	.45285E-03	.11695E-04	.24104E-04	.18879E-04
ABSOLUTE SUM	.34950E-02	.18308E-02	.24148E-02	.45776E-04	.63472E-04	.58557E-04
SQRT SUM OF SQ	.17267E-02	.65359E-03	.75087E-03	.17986E-04	.27945E-04	.25251E-04
CLSLY SP MODES	.18261E-02	.90514E-03	.93072E-03	.25002E-04	.32700E-04	.31546E-04



26	.8020E-05	.3500E-05	-.2507E-04	-.2747E-07	-.37923E-06	.17449E-04
27	-.1490E-04	.4345E-05	-.1877E-04	-.3476E-07	-.10992E-06	-.31331E-02
28	-.2334E-05	.2958E-05	-.1558E-04	.1575E-06	-.2440E-06	.19755E-08
29	.2284E-05	-.2726E-05	.1066E-04	-.1364E-06	.10531E-06	.20648E-06
30	.4838E-06	.5728E-06	-.1547E-05	.1434E-07	-.2277E-07	.37963E-07
31	.1969E-05	.8788E-06	-.2758E-06	.1226E-06	.3695E-07	-.92851E-07

MAXIMUM VALUE	ABSOLUTE SUM	SORT, SUM OF SC	CLS LY SP MGDES
.14553E-02	.36924E-03	.49285E-03	.11693E-04
.34950E-02	.16302E-02	.24148E-02	.45775E-04
.17267E-02	.65359E-03	.75987E-03	.17986E-04
.18263E-02	.90510E-03	.93072E-03	.25002E-04
.24104E-04	.18879E-04	.24148E-02	.63472E-04
.27945E-04	.25251E-04	.17986E-04	.32700E-04
.31596E-04	.31596E-04	.25002E-04	.31596E-04

9	9	1	.40306E-04	.21648E-04	.80114E-04	-.90981E-06	-.31743E-05	.17333E-05
		2	-.25736E-04	.32303E-04	-.21474E-04	-.22779E-05	.64223E-05	-.38688E-05
		3	-.14912E-03	-.20362E-03	-.34047E-03	.58147E-05	-.47605E-06	-.31851E-05
		4	.10799E-02	-.36993E-03	-.84031E-03	.11963E-04	-.47688E-05	.18068E-04
		5	-.11511E-02	-.25466E-03	-.84398E-03	.62743E-05	.23467E-04	-.84652E-05
		6	.28044E-03	-.23836E-03	.40642E-03	-.92744E-05	.55000E-05	.10179E-04
		7	.11592E-03	-.38459E-04	-.26230E-03	-.54645E-06	.65258E-05	.25799E-06
		8	-.51698E-06	.35257E-06	-.16699E-04	.65794E-07	.56585E-07	-.77878E-07
		9	-.95689E-03	-.29097E-03	.52839E-03	-.16902E-05	.40383E-05	.90585E-05
		10	.89878E-05	-.34382E-05	-.11634E-04	-.16067E-06	.27778E-06	-.38783E-07
		11	.16816E-05	.20969E-04	-.13873E-04	.12614E-06	.94042E-09	-.64794E-08
		12	.12697E-04	.11129E-03	-.18451E-04	.12443E-05	-.99632E-06	-.32370E-06
		13	.35598E-04	-.12635E-03	.12047E-03	-.39305E-06	-.74591E-06	-.35268E-06
		14	-.14083E-04	-.76799E-05	-.82940E-04	-.90067E-06	.85827E-06	.30033E-06
		15	.16301E-03	.12822E-04	.10289E-03	.91623E-06	.53261E-06	.41247E-06
		16	.24208E-06	-.46681E-08	.33677E-07	.42067E-10	.28857E-08	.23705E-08
		17	-.11159E-05	-.62078E-05	-.28785E-04	-.14441E-06	-.28273E-07	.10332E-06
		18	-.18112E-05	-.15863E-04	-.08512E-04	-.11483E-06	-.22382E-06	.19697E-06
		19	.15252E-05	.15418E-04	.02828E-04	.83743E-07	.22123E-06	-.16275E-06
		20	.59690E-08	.28527E-07	.10109E-06	-.86385E-09	.15017E-09	-.29593E-09
		21	-.11086E-04	-.15664E-04	.29402E-04	.61734E-07	.42870E-06	.11292E-06
		22	.24924E-05	-.36507E-05	-.50639E-05	.55223E-07	-.52120E-07	-.26423E-07
		23	-.44752E-05	.37214E-05	-.72841E-05	-.21345E-06	-.15159E-06	.46051E-07
		24	-.12399E-04	.19356E-05	.36740E-05	.28672E-08	.64083E-07	.41579E-07
		25	.18224E-04	.70153E-06	-.23650E-05	-.32773E-07	-.45894E-07	-.34760E-07
		26	.15753E-04	.32172E-05	-.22142E-04	-.16673E-06	-.36569E-06	.44128E-07
		27	-.30880E-04	.44353E-05	-.15820E-04	-.13863E-06	-.14159E-06	-.58505E-07
		28	-.23727E-05	.26632E-05	-.26632E-04	-.37111E-07	-.21988E-06	.10550E-07
		29	.11104E-04	-.26667E-05	.15205E-04	.16817E-07	.77824E-07	.89424E-07
		30	.24609E-05	.66320E-06	-.20084E-05	-.52431E-08	.25007E-07	.22297E-07
		31	-.25148E-05	.75584E-06	-.52749E-05	.47991E-07	.1764E-07	-.63798E-07

MAXIMUM VALUE	ABSOLUTE SUM	SORT, SUM OF SC	CLS LY SP MGDES
.11511E-02	.36993E-03	.84031E-03	.11967E-04
.46948E-02	.18105E-02	.37800E-02	.43681E-04
.20577E-02	.64015E-03	.13422E-02	.17747E-04
.26928E-02	.89944E-03	.19278E-02	.24823E-04
.23467E-04	.18068E-04	.37800E-02	.60011E-04
.26795E-04	.24750E-04	.17747E-04	.31969E-04
.32259E-04	.32259E-04	.24823E-04	.31969E-04

8	8	1	.11050E-03	.21492E-04	.11579E-03	-.59053E-06	-.29863E-05	.12176E-05
		2	-.18903E-03	.32212E-04	.73208E-04	-.16795E-05	.60802E-05	-.29271E-05
		3	-.28758E-03	-.20253E-03	-.60635E-03	.49440E-05	-.22090E-06	-.24870E-05
		4	.19082E-02	-.37029E-03	-.14048E-02	.10644E-04	-.59313E-05	.15373E-04
		5	-.16004E-02	-.25493E-03	-.96038E-03	.61550E-05	.22830E-04	-.89811E-05
		6	.14240E-02	-.22742E-03	.82001E-03	-.74533E-05	.36659E-05	.10893E-04
		7	.12683E-03	-.39059E-04	-.26123E-03	.19203E-06	.59586E-05	.14383E-06
		8	-.50220E-05	.19541E-06	-.21310E-04	.99534E-07	.64028E-07	-.95688E-07
		9	-.59265E-03	-.22249E-03	.02249E-03	-.17085E-05	.36166E-05	.64830E-05
		10	.73720E-05	-.34023E-05	-.56463E-05	-.96840E-07	.25754E-06	-.32865E-07
		11	.17207E-05	.20710E-04	-.19123E-04	.78026E-07	.27035E-08	-.11280E-07
		12	.77611E-06	.11020E-03	-.07671E-04	.75310E-06	-.92493E-06	-.18612E-06
		13	.20075E-04	-.12530E-03	.13751E-03	-.20193E-06	-.66930E-06	-.29284E-06
		14	-.21805E-05	.75264E-05	-.47133E-04	-.83201E-06	.79556E-06	.19775E-06
		15	.11592E-03	.12459E-04	.63098E-04	.75515E-06	.67518E-06	.45154E-07
		16	.36449E-06	-.50067E-08	.29444E-07	.12890E-09	.33008E-08	.84937E-08
		17	.31674E-05	-.60545E-05	-.20944E-04	-.17500E-06	-.12453E-07	.68117E-07
		18	.07804E-05	-.15311E-04	-.57998E-04	-.30527E-06	-.17483E-06	.13994E-06
		19	-.55774E-05	.14910E-04	.53855E-04	.27217E-06	.17737E-06	-.11555E-06
		20	-.10332E-07	.26554E-07	.12431E-06	-.99585E-10	.77923E-10	-.29959E-09
		21	-.32429E-05	.15917E-04	.22926E-04	.17719E-06	.41044E-06	.16566E-06
		22	.84964E-04	-.36352E-05	-.03470E-05	.61823E-08	-.51345E-07	-.33671E-07
		23	-.17651E-05	.35570E-05	.28025E-05	-.17143E-06	-.13079E-06	.54323E-07
		24	-.75013E-05	.21132E-05	.26809E-05	.28420E-07	.92755E-07	.12043E-06
		25	.12323E-04	.08126E-06	-.42761E-06	-.37060E-07	-.64460E-07	-.15544E-06
		26	.13070E-04	.28394E-05	-.88479E-05	-.28362E-06	-.35216E-06	-.10503E-06
		27	-.24225E-04	.43987E-05	-.52974E-05	-.21869E-06	-.83255E-07	.22751E-06
		28	-.13532E-05	.23054E-05	-.11938E-04	-.21985E-06	-.19571E-06	.23545E-07



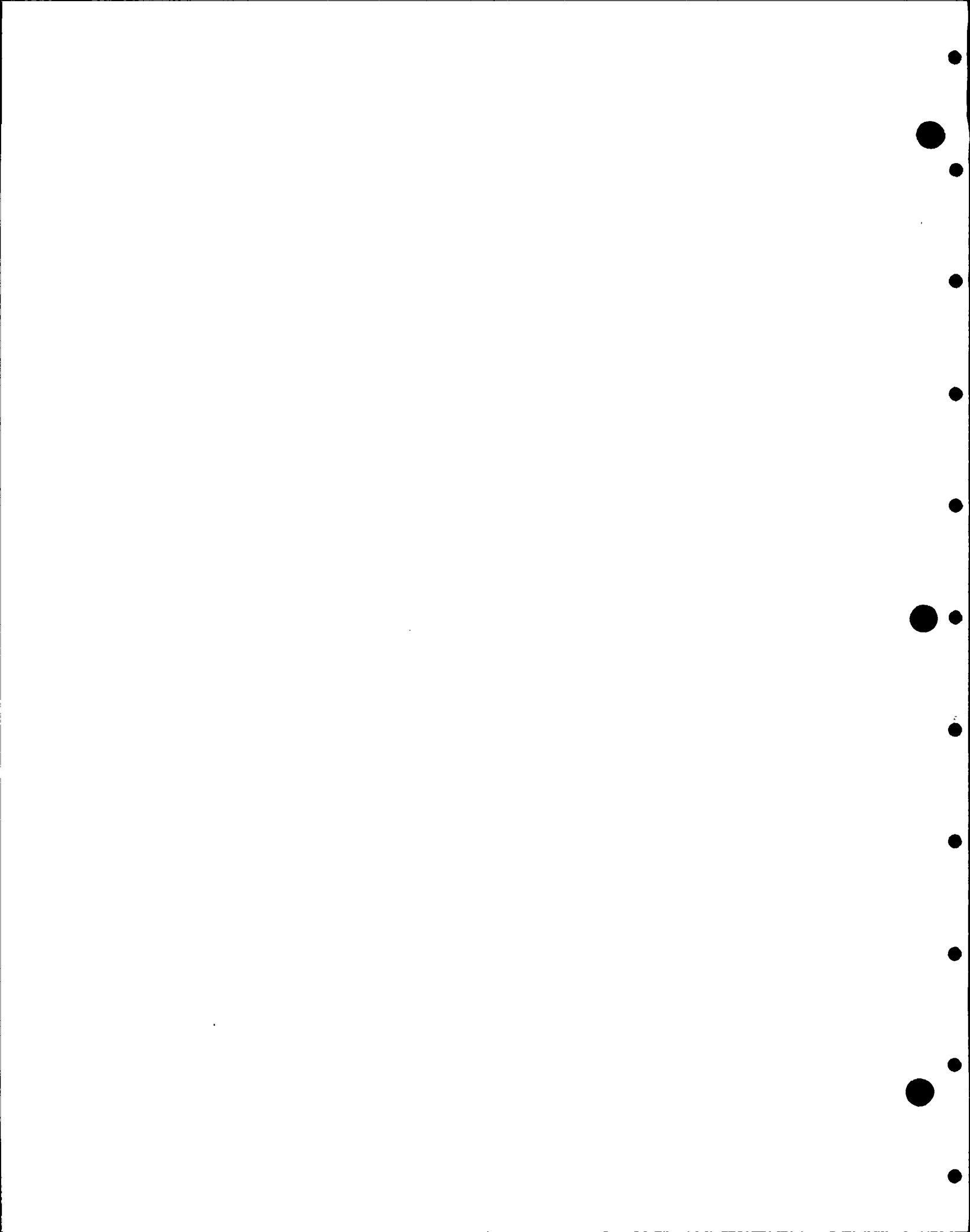
18	.6044E-05	.1517E-04	.5799E-04	.1570E-06	.17483E-06	.13994E-06
19	.55774E-05	.14910E-04	.53855E-04	.27217E-06	.17737E-06	.11555E-06
20	.10332E-07	.26554E-07	.12431E-06	.4958E-10	.77923E-10	.29959E-09
21	.32429E-05	.15917E-04	.22926E-04	.1771E-05	.10444E-06	.16566E-06
22	.84964E-06	.36352E-05	.84974E-05	.61823E-08	.51345E-07	.33671E-07
23	.17651E-05	.35570E-05	.28025E-05	.17143E-06	.13079E-06	.54323E-07
24	.75013E-05	.21132E-05	.26809E-05	.28423E-07	.92755E-07	.12043E-06
25	.12323E-04	.03126E-06	.22761E-06	.37060E-07	.64460E-07	.15544E-06
26	.13070E-04	.28394E-05	.88579E-05	.28362E-06	.35216E-06	.10503E-06
27	.24225E-04	.03987E-05	.52974E-05	.21869E-06	.83255E-07	.22751E-06
28	.13332E-05	.23054E-05	.11938E-04	.21965E-06	.19571E-06	.23585E-07
29	.11047E-04	.25162E-05	.89816E-05	.16097E-06	.50338E-07	.52846E-07
30	.27179E-05	.2862E-06	.10334E-05	.23438E-07	.27236E-07	.66957E-08
31	.43113E-05	.60018E-06	.49310E-05	.33531E-07	.46610E-07	.12559E-07

MAXIMUM VALUE	.19082E-02	.37029E-03	.14048E-02	.10644E-04	.22830E-04	.15373E-04
ABSOLUTE SUM	.64900E-02	.17859E-02	.54356E-02	.35097E-04	.56552E-04	.50650E-04
SORT.SUM OF SC	.24569E-02	.63794E-03	.21094E-02	.15471E-04	.25831E-04	.22233E-04
CLS LY SP MODES	.40396E-02	.89266E-03	.30576E-02	.21997E-04	.31419E-04	.29182E-04

7	7	1	.16892E-03	.21275E-04	.14098E-03	.18323E-06	.27255E-05	.56920E-06
		2	.34011E-03	.3208E-04	.15790E-03	.87427E-06	.56056E-05	.15997E-05
		3	.41608E-03	.20102E-03	.88129E-03	.29164E-05	.13313E-06	.12698E-05
		4	.27602E-02	.17078E-03	.20124E-02	.64686E-05	.75443E-05	.88844E-05
		5	.21662E-02	.25527E-03	.13315E-02	.40571E-05	.21940E-04	.64318E-05
		6	.21131E-02	.21224E-03	.12096E-02	.35704E-05	.10377E-05	.78506E-05
		7	.12882E-03	.39892E-04	.29447E-03	.42203E-05	.51715E-05	.14891E-06
		8	.11594E-04	.22658E-07	.28310E-04	.77655E-07	.74354E-07	.84147E-07
		9	.26378E-03	.27073E-03	.71413E-03	.40019E-06	.30314E-05	.38454E-05
		10	.52054E-05	.33526E-05	.17499E-05	.34159E-07	.22945E-06	.35801E-07
		11	.31037E-06	.20352E-04	.21053E-04	.26132E-07	.51497E-08	.14269E-07
		12	.58416E-05	.10883E-03	.93693E-04	.11324E-07	.82588E-06	.28853E-07
		13	.33922E-05	.12384E-03	.13707E-03	.35707E-06	.56302E-06	.20659E-06
		14	.63498E-05	.73135E-05	.15658E-04	.30363E-06	.70855E-06	.61568E-07
		15	.99141E-04	.11955E-04	.19652E-04	.56627E-06	.87300E-06	.62825E-06
		16	.34134E-06	.54765E-08	.17077E-07	.23583E-09	.38769E-08	.18094E-08
		17	.57673E-05	.58420E-05	.81878E-05	.19917E-06	.94969E-08	.12539E-08
		18	.12533E-04	.14545E-04	.29661E-04	.52343E-06	.10687E-06	.63722E-08
		19	.10314E-04	.14205E-04	.27815E-04	.88759E-06	.11652E-06	.48514E-08
		20	.26764E-07	.23817E-07	.95453E-07	.97141E-09	.22317E-10	.90245E-10
		21	.81002E-05	.16263E-04	.71538E-05	.25813E-06	.38510E-06	.11524E-06
		22	.13593E-05	.36135E-05	.47176E-05	.57523E-07	.50270E-07	.22315E-07
		23	.16817E-05	.33288E-05	.10718E-04	.22421E-07	.10193E-06	.33647E-07
		24	.23080E-05	.23592E-05	.52689E-07	.38003E-07	.10479E-06	.12207E-06
		25	.11503E-05	.65313E-06	.17583E-05	.15095E-07	.90221E-07	.18023E-06
		26	.10271E-05	.23144E-05	.10884E-04	.18152E-06	.33338E-06	.18159E-06
		27	.63259E-06	.43479E-05	.93891E-05	.12183E-06	.23200E-08	.34688E-06
		28	.45190E-06	.17922E-05	.65022E-05	.20345E-06	.16219E-06	.20290E-07
		29	.26722E-05	.23074E-05	.48040E-05	.15202E-06	.12200E-07	.15037E-06
		30	.11481E-05	.81938E-06	.84192E-06	.18125E-07	.30328E-07	.34389E-07
		31	.28466E-05	.38422E-06	.20052E-06	.72902E-07	.53307E-07	.54680E-07

MAXIMUM VALUE	.27602E-02	.37078E-03	.20124E-02	.64685E-05	.21940E-04	.88844E-05
ABSOLUTE SUM	.65424E-02	.17518E-02	.71826E-02	.22681E-04	.52037E-04	.32935E-04
SORT.SUM OF SC	.41401E-02	.62693E-03	.29556E-02	.90565E-05	.24841E-04	.14210E-04
CLS LY SP MODES	.56571E-02	.88355E-03	.42946E-02	.13273E-04	.31037E-04	.18496E-04

6	6	1	.18683E-03	.21052E-04	.14050E-03	.17063E-06	.24640E-05	.13288E-07
		2	.40238E-03	.31938E-04	.19007E-03	.13107E-06	.51310E-05	.31909E-06
		3	.45596E-03	.19927E-03	.99120E-03	.26015E-06	.48716E-06	.83127E-07
		4	.30804E-02	.37076E-03	.22561E-02	.44492E-06	.91572E-05	.40692E-06
		5	.24418E-02	.25522E-03	.14918E-02	.36509E-06	.21062E-04	.11481E-05
		6	.24509E-02	.19063E-03	.12917E-02	.11181E-05	.15904E-05	.14673E-05
		7	.10667E-03	.40629E-04	.31352E-03	.47813E-07	.40844E-05	.49994E-06
		8	.16046E-04	.24066E-06	.31334E-04	.13322E-08	.84681E-07	.39777E-07
		9	.75760E-04	.25814E-03	.67089E-03	.17743E-05	.24463E-05	.20430E-05
		10	.25020E-05	.32844E-05	.99468E-06	.14881E-08	.20130E-06	.42647E-07
		11	.65268E-06	.19873E-04	.15622E-04	.13383E-06	.75959E-08	.12390E-07
		12	.33539E-05	.10669E-03	.66712E-04	.67761E-06	.77683E-06	.77272E-07
		13	.73808E-05	.12154E-03	.89671E-04	.96479E-06	.45673E-06	.10934E-06
		14	.61527E-05	.70362E-05	.17407E-05	.17333E-06	.62155E-06	.49952E-07
		15	.33126E-04	.11317E-04	.17172E-04	.34891E-06	.10708E-05	.11448E-05
		16	.12074E-06	.58840E-08	.15329E-08	.20576E-09	.44529E-08	.38873E-08
		17	.33644E-05	.55420E-05	.52487E-05	.10355E-06	.31447E-07	.59540E-07
		18	.76412E-05	.13539E-04	.10566E-04	.53502E-06	.38900E-07	.12577E-06
		19	.62319E-05	.13263E-04	.40749E-05	.50387E-06	.55667E-07	.10437E-06
		20	.21831E-07	.20635E-07	.20189E-08	.14972E-08	.12250E-09	.21201E-09



10	.2020E-05	.320E-05	.990E-05	.1088E-05	.2013E-05	.42647E-07
11	.65268E-06	.19873E-04	.15622E-04	.1336E-06	.75959E-08	.12390E-07
12	.33539E-05	.10669E-03	.06712E-04	.677E-06	.72683E-06	.77272E-07
13	.73808E-05	.12154E-03	.89671E-04	.9647E-06	.45673E-06	.10934E-06
14	.61527E-05	.70362E-05	.17407E-05	.17333E-06	.62155E-06	.49952E-07
15	.33120E-04	.11317E-04	.12172E-04	.34891E-06	.10708E-05	.11448E-05
16	.12674E-06	.58840E-08	.15329E-08	.20576E-09	.44529E-08	.38873E-08
17	.33684E-05	.55420E-05	.52487E-05	.16355E-06	.31447E-07	.59540E-07
18	.76412E-05	.13539E-04	.10566E-04	.53502E-06	.58900E-07	.12577E-06
19	.62319E-05	.13263E-04	.99749E-05	.50387E-06	.55667E-07	.10437E-06
20	.21831E-07	.20635E-07	.20189E-08	.14972E-08	.12256E-09	.21201E-09
21	.11608E-04	.16258E-04	.10669E-04	.19263E-06	.35970E-06	.24162E-07
22	.20375E-05	.35096E-05	.94743E-06	.82498E-07	.49195E-07	.42254E-08
23	.25965E-05	.29999E-05	.57680E-05	.13033E-06	.73069E-07	.84443E-08
24	.81900E-05	.25273E-05	.22094E-05	.16973E-07	.11682E-06	.22332E-07
25	.10829E-04	.60028E-06	.15182E-05	.18461E-07	.11598E-06	.52829E-07
26	.10163E-04	.16927E-05	.14395E-04	.85436E-07	.31460E-06	.87931E-07
27	.20121E-04	.11084E-05	.10292E-04	.89132E-07	.78615E-07	.13512E-06
28	.12402E-05	.11906E-05	.13967E-04	.26161E-07	.12866E-06	.87061E-09
29	.60882E-05	.19788E-05	.10344E-04	.21686E-07	.25937E-07	.88362E-07
30	.16656E-05	.86326E-06	.17600E-05	.76055E-08	.33421E-07	.26932E-07
31	.26164E-05	.14300E-06	.42753E-05	.22433E-07	.60004E-07	.58852E-07

MAXIMUM VALUE	.30804E-02	.37076E-03	.22561E-02	.17743E-05	.21062E-04	.20430E-05
ABSOLUTE SUM	.93665E-02	.17119E-02	.76656E-02	.85222E-05	.51380E-04	.82608E-05
SQRT SUM OF SC	.46779E-02	.61455E-03	.32536E-02	.26567E-05	.24300E-04	.30946E-05
CLS LY SP MODES	.63455E-02	.87309E-03	.47621E-02	.31024E-05	.31641E-04	.35160E-05

5	5	1	.16291E-03	.20766E-04	.11016E-03	.50781E-06	.21356E-05	.51448E-06
		2	.36749E-03	.31730E-04	.16611E-03	.61803E-06	.45323E-05	.10179E-05
		3	.38125E-03	.19683E-03	.86789E-03	.30443E-05	.93368E-06	.15438E-05
		4	.26020E-02	.37018E-03	.19575E-02	.72123E-05	.11192E-04	.96207E-05
		5	.22177E-02	.25473E-03	.13052E-02	.46702E-05	.19948E-04	.63235E-05
		6	.21904E-02	.17652E-03	.96423E-03	.59910E-05	.49052E-05	.73577E-05
		7	.49179E-04	.11454E-04	.27105E-03	.10049E-05	.33917E-05	.77923E-06
		8	.16349E-04	.51498E-06	.26214E-04	.11476E-06	.97705E-07	.32715E-07
		9	.21255E-04	.24143E-03	.41229E-03	.39278E-05	.17083E-05	.50449E-06
		10	.10794E-05	.31796E-05	.21215E-05	.14443E-07	.16594E-06	.38099E-07
		11	.14093E-05	.19145E-04	.03153E-06	.17957E-06	.10681E-07	.38655E-08
		12	.62019E-05	.10324E-03	.11625E-04	.91980E-06	.60190E-06	.11182E-06
		13	.11026E-04	.11777E-03	.10461E-04	.11302E-05	.32267E-06	.18521E-07
		14	.20033E-05	.66216E-05	.76593E-05	.10382E-07	.51180E-06	.10806E-06
		15	.68033E-04	.10381E-04	.27074E-04	.77590E-08	.13203E-05	.92440E-06
		16	.23212E-06	.63277E-08	.26273E-07	.11421E-09	.51794E-08	.53458E-08
		17	.32776E-05	.50770E-05	.13327E-04	.11239E-07	.59132E-07	.68225E-07
		18	.66171E-05	.12037E-04	.43214E-04	.10805E-06	.46824E-07	.14602E-06
		19	.55552E-05	.11842E-04	.40981E-04	.16165E-06	.21083E-07	.11987E-06
		20	.70596E-08	.16220E-07	.11363E-06	.60322E-09	.24899E-09	.33437E-09
		21	.24172E-05	.15885E-04	.18388E-04	.50402E-07	.32781E-06	.14537E-06
		22	.35194E-06	.32947E-05	.55605E-05	.19692E-07	.47838E-07	.26307E-07
		23	.68394E-07	.24898E-05	.84459E-05	.11097E-06	.36670E-07	.36773E-07
		24	.34771E-05	.26520E-05	.17762E-05	.23787E-07	.13200E-06	.10201E-06
		25	.57246E-05	.50983E-06	.11030E-05	.23825E-07	.14847E-06	.13588E-06
		26	.79597E-05	.83471E-06	.40497E-05	.20573E-06	.29092E-06	.12408E-06
		27	.12606E-04	.36197E-05	.51127E-05	.15123E-06	.18070E-06	.25526E-06
		28	.17679E-07	.37020E-06	.47770E-06	.19137E-06	.86371E-07	.17573E-07
		29	.70310E-05	.14568E-05	.69956E-06	.14213E-06	.74038E-07	.10561E-06
		30	.19840E-05	.86685E-06	.49491E-06	.17680E-07	.37321E-07	.22514E-07
		31	.41808E-05	.17107E-06	.16137E-05	.58997E-07	.68450E-07	.38196E-07

MAXIMUM VALUE	.26620E-02	.37018E-03	.19575E-02	.72123E-05	.19948E-04	.96207E-05
ABSOLUTE SUM	.82206E-02	.16556E-02	.02873E-02	.30571E-04	.53340E-04	.30247E-04
SQRT SUM OF SC	.41374E-02	.59911E-03	.27400E-02	.11761E-04	.24299E-04	.13867E-04
CLS LY SP MODES	.55833E-02	.85855E-03	.40717E-02	.16291E-04	.33058E-04	.18853E-04

4	4	1	.10385E-03	.20472E-04	.57403E-04	.69543E-06	.18066E-05	.60985E-06
		2	.23910E-03	.31497E-04	.90651E-04	.10621E-05	.39337E-05	.18342E-05
		3	.20603E-03	.19411E-03	.49349E-03	.54031E-05	.13802E-05	.23286E-05
		4	.15240E-02	.36901E-03	.10791E-02	.12541E-04	.13226E-04	.15620E-04
		5	.14165E-02	.25378E-03	.72762E-03	.83333E-05	.18833E-04	.11701E-04
		6	.12597E-02	.15600E-03	.33018E-03	.78332E-05	.82199E-05	.13161E-04
		7	.19317E-04	.42163E-04	.14730E-03	.17872E-05	.23990E-05	.77653E-06
		8	.10727E-04	.78775E-06	.12352E-04	.18945E-06	.11073E-06	.89235E-07
		9	.20351E-04	.22387E-03	.40551E-04	.40523E-05	.97925E-06	.26907E-06
		10	.35040E-05	.30545E-05	.30604E-05	.90444E-04	.13051E-06	.16393E-07
		11	.12745E-05	.12523E-04	.12523E-04	.89029E-07	.13767E-07	.62477E-08
		12	.13907E-04	.99003E-04	.76042E-04	.36903E-06	.47097E-06	.46365E-07





1	.10535E-03	.31472E-04	.9065E-04	.10624E-05	.39337E-05	.12342E-05
2	-.2010E-03	.31472E-04	.9065E-04	.10624E-05	.39337E-05	.12342E-05
3	-.20003E-03	-.19411E-03	-.49389E-03	-.54031E-05	.13802E-05	.23286E-05
4	.15240E-02	-.36901E-03	-.10791E-02	-.12541E-04	-.13226E-04	-.15620E-04
5	-.10105E-02	-.25378E-03	-.72762E-03	-.8333E-05	.18233E-04	.11701E-04
6	.12597E-02	-.15600E-03	.33018E-03	.78333E-05	-.82199E-05	-.13161E-04
7	-.19317E-04	-.2163E-04	-.14730E-03	-.17872E-05	.23990E-05	-.72653E-06
8	-.10787E-04	-.78775E-06	-.12352E-04	-.18944E-06	.11073E-06	.89235E-07
9	.20351E-04	-.22387E-03	.40551E-04	.40921E-05	.97925E-06	-.26907E-06
10	-.35640E-05	-.30545E-05	-.30004E-05	-.94444E-09	.13051E-06	-.16393E-07
11	-.12785E-05	.18284E-04	.12523E-04	-.89029E-07	.13767E-07	.62477E-08
12	.13947E-04	.99003E-04	.76042E-04	-.36903E-06	-.47697E-06	.46365E-07
13	-.49713E-05	-.11306E-03	-.87422E-04	.43435E-06	-.18862E-06	.99100E-07
14	-.10462E-04	-.61389E-05	.14718E-05	.94703E-07	.40206E-06	-.62406E-07
15	-.11100E-03	.93087E-05	-.12313E-04	-.26712E-06	.15698E-05	.49362E-07
16	-.39324E-06	-.66873E-08	-.14265E-07	-.13559E-09	.59059E-08	.32605E-10
17	-.70292E-05	-.45235E-05	.71992E-05	.13687E-06	.86816E-07	-.52298E-08
18	-.14527E-04	-.10304E-04	.27361E-04	.41596E-06	.13255E-06	-.71322E-08
19	.11951E-04	.10190E-04	-.25646E-04	-.39520E-06	-.97834E-07	.36884E-08
20	.26745E-07	.11451E-07	-.92282E-07	-.10367E-08	-.37542E-09	.79695E-10
21	-.10194E-04	.15112E-04	-.32224E-05	-.22665E-06	.29585E-06	-.90090E-07
22	.18262E-05	-.29922E-05	.30342E-05	.71491E-07	-.46482E-07	.14990E-07
23	-.27582E-05	.18917E-05	.10169E-04	-.90611E-07	-.27034E-09	-.96562E-08
24	-.66661E-05	.26743E-05	.12243E-05	-.26653E-07	.14717E-06	-.72762E-07
25	.87526E-05	.39687E-06	-.18461E-05	-.13815E-07	-.18090E-06	.10593E-06
26	.76588E-05	-.63956E-07	-.14299E-04	-.56217E-07	-.26723E-06	.13245E-06
27	-.16316E-04	.29477E-05	-.10838E-04	-.75189E-07	.28278E-06	-.21156E-06
28	-.11770E-05	-.47148E-06	-.12541E-04	-.23502E-07	-.44083E-07	-.18906E-09
29	.67925E-05	-.84655E-06	.92405E-05	.27070E-07	-.12214E-06	.10679E-06
30	.14848E-05	.81255E-06	-.11339E-05	-.10664E-07	-.41221E-07	.29391E-07
31	-.26781E-05	-.47202E-06	-.36785E-05	.85919E-08	.76897E-07	-.59765E-07

MAXIMUM VALUE  
ABSOLUTE SUM  
SGRT, SUM OF SQ  
CLSLY SP MODES

.15240E-02	.36901E-03	.10791E-02	.12541E-04	.18833E-04	.15620E-04
.56397E-02	.15942E-02	.33044E-02	.44773E-04	.55490E-04	.47669E-04
.24544E-02	.58261E-03	.14483E-02	.18431E-04	.25056E-04	.23754E-04
.33172E-02	.84267E-03	.22031E-02	.26747E-04	.34689E-04	.31968E-04

3 3

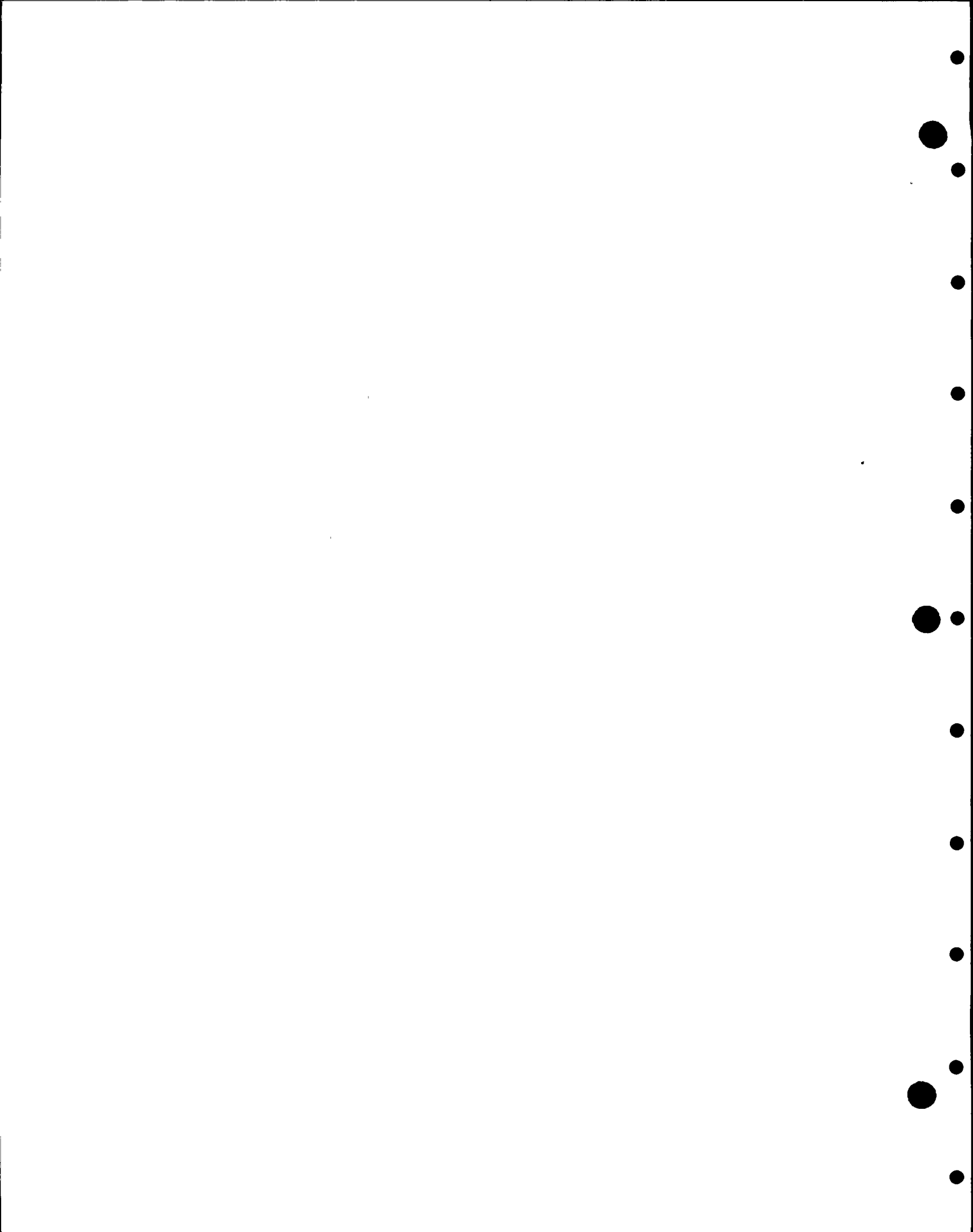
1	.70243E-04	.20331E-04	.29006E-04	.72428E-06	-.16538E-05	-.85544E-06
2	-.16155E-03	.31369E-04	.46061E-04	.11363E-05	.36558E-05	.19691E-05
3	-.11057E-03	-.19263E-03	-.26428E-03	-.50123E-05	.15875E-05	.23494E-05
4	.87107E-03	-.36795E-03	-.54785E-03	-.13522E-04	-.14171E-04	-.16068E-04
5	.90996E-03	-.25295E-03	-.37292E-03	-.90431E-05	.18315E-04	.12544E-04
6	.70136E-03	-.14615E-03	.17461E-04	.72283E-05	-.97589E-05	-.13664E-04
7	-.45932E-04	-.42391E-04	-.70896E-04	-.19233E-05	.19381E-05	-.57899E-06
8	-.68203E-05	-.91241E-06	-.44293E-05	-.19243E-06	.11678E-06	.98463E-07
9	.49656E-05	-.21503E-03	-.11350E-03	.32723E-05	.62760E-06	-.34676E-06
10	-.39111E-05	-.29799E-05	-.27125E-05	-.12922E-07	.11406E-06	-.49465E-08
11	-.92274E-06	.17772E-04	.14573E-04	-.13543E-07	.15199E-07	.87987E-08
12	.14675E-04	.96391E-04	.81879E-04	.53443E-07	-.41696E-06	.50400E-08
13	-.51834E-06	-.11011E-03	-.74026E-04	-.62493E-07	-.12638E-06	.10253E-06
14	-.11952E-04	-.58615E-05	-.26488E-05	.87243E-07	.35111E-06	-.25359E-07
15	-.95667E-04	.87084E-05	.15340E-06	-.28212E-06	.16856E-05	.41244E-06
16	-.34430E-06	-.67792E-08	-.11130E-07	-.20911E-09	.62433E-08	.13407E-08
17	-.62303E-05	-.41998E-05	.50761E-06	.15233E-06	.99670E-07	.21698E-07
18	-.12571E-04	-.93316E-05	.58040E-05	.49913E-06	.17235E-06	.51029E-07
19	.10233E-04	.92551E-05	-.51820E-05	-.47303E-06	-.13347E-06	-.44305E-07
20	.27151E-07	.90264E-08	-.32883E-07	-.14087E-08	-.43412E-09	-.49103E-10
21	-.12022E-04	.14432E-04	.66145E-05	-.20882E-06	.28102E-06	-.36017E-07
22	.21425E-05	-.27845E-05	.94733E-07	.84233E-07	-.45853E-07	.49028E-08
23	-.25009E-05	.15575E-05	-.37604E-05	-.15067E-06	.16629E-07	.63398E-08
24	-.80362E-05	.25976E-05	.14911E-05	-.13231E-07	.15422E-06	-.28819E-07
25	.10778E-04	.32961E-06	-.70445E-06	-.26723E-07	-.19605E-06	.43625E-07
26	.10988E-04	-.47856E-06	-.73841E-05	-.17155E-06	-.25623E-06	.72881E-07
27	-.20237E-04	.25096E-05	-.40158E-05	-.15863E-06	.33017E-06	-.86084E-07
28	-.76405E-06	-.83932E-06	-.69015E-05	-.13681E-06	-.24450E-07	.89147E-08
29	.89521E-05	-.51987E-06	.45372E-05	.11163E-06	-.14447E-06	.48387E-07
30	.21848E-05	.74148E-06	-.20846E-06	-.20701E-07	-.43032E-07	.15691E-07
31	-.41353E-05	-.58116E-06	-.23675E-05	-.32513E-07	.80818E-07	-.32908E-07

MAXIMUM VALUE  
ABSOLUTE SUM  
SGRT, SUM OF SQ  
CLSLY SP MODES

.90996E-03	.36795E-03	.54785E-03	.13522E-04	.18315E-04	.16068E-04
.31223E-02	.15617E-02	.17125E-02	.45703E-04	.56521E-04	.49537E-04
.14611E-02	.57406E-03	.73911E-03	.19203E-04	.25649E-04	.24760E-04
.19949E-02	.83392E-03	.11255E-02	.28353E-04	.35510E-04	.33282E-04

2 2

1	.31776E-07	.24499E-07	.34259E-08	.30625E-08	-.59434E-08	-.24368E-08
2	-.92721E-07	.23260E-07	.82658E-08	.44603E-08	.13558E-07	.74375E-08
3	-.12416E-06	-.25559E-06	-.43153E-07	-.30107E-07	.50869E-08	.17547E-07
4	.90518E-06	-.19911E-06	-.11064E-06	-.50902E-07	-.49870E-07	-.11487E-06



	31	30	29	28	27	26
MAXIMUM VALUE	.90996E-03	.36795E-03	.54785E-03	.13522E-04	.18315E-04	.16068E-04
ABSOLUTE SUM	.31223E-02	.15617E-02	.17125E-02	.4570E-04	.56521E-04	.49537E-04
SCR7, SUM OF SC	.14611E-02	.57406E-03	.73911E-03	.19205E-04	.25649E-04	.24760E-04
CLS LY SP MODES	.19949E-02	.83392E-03	.11255E-02	.28353E-04	.35510E-04	.33282E-04

2	2	1				
			.31776E-07	.24499E-07	.34259E-08	.30625E-08
		2	-.92721E-07	.23260E-07	.82858E-08	.44603E-08
		3	-.12416E-06	-.25559E-06	-.43153E-07	-.30107E-07
		4	.90518E-06	-.19911E-06	-.11008E-06	-.50902E-07
		5	-.73056E-06	-.15454E-06	-.76319E-07	-.35480E-07
		6	.90415E-06	-.16079E-05	.91586E-07	-.55751E-07
		7	.23808E-07	.33096E-07	-.19480E-07	-.46203E-08
		8	-.79763E-08	.20145E-07	-.22931E-08	.34540E-09
		9	.83839E-07	-.14496E-05	.50232E-07	-.60857E-07
		10	-.20407E-08	-.12337E-07	-.83978E-10	-.66733E-09
		11	-.10090E-08	.83563E-07	-.23841E-09	.42193E-08
		12	.80548E-08	.43130E-06	.15276E-08	.22407E-07
		13	-.12810E-07	-.48058E-06	-.31132E-08	-.25492E-07
		14	-.65380E-08	-.45423E-07	.27520E-08	-.17603E-08
		15	-.16448E-06	.97975E-07	-.84597E-08	.32521E-09
		16	-.57720E-09	.14295E-10	-.68008E-11	-.65577E-12
		17	-.12370E-07	-.52779E-07	.50642E-08	-.16759E-08
		18	-.28341E-07	-.15825E-06	.17875E-07	-.85487E-08
		19	.23811E-07	.15219E-06	-.17014E-07	.44131E-08
		20	.56704E-10	.39333E-09	-.56391E-10	.92245E-11
		21	-.16811E-07	.11135E-06	-.67666E-06	.43208E-08
		22	.34064E-08	-.33869E-07	.33848E-08	-.10796E-08
		23	-.82187E-08	.54226E-07	-.81821E-08	.12891E-08
		24	-.15999E-07	.12657E-07	.53279E-10	.63234E-09
		25	.23194E-07	.10913E-07	-.16905E-08	.25935E-09
		26	.17879E-07	.67040E-07	-.12875E-07	.12093E-08
		27	-.48849E-07	.71115E-07	-.10901E-07	.17350E-06
		28	-.60999E-08	.59431E-07	-.12105E-07	.99657E-09
		29	.22436E-07	-.52897E-07	.96217E-08	-.10760E-08
		30	.46806E-08	.11566E-07	-.15108E-08	.33034E-09
		31	-.91383E-08	.17599E-07	-.40671E-08	.23765E-09

MAXIMUM VALUE	.90518E-06	.16079E-05	.11068E-06	.60859E-07	.60585E-07	.11487E-06
ABSOLUTE SUM	.33476E-05	.57912E-05	.53280E-06	.32720E-06	.22010E-06	.37230E-06
SCR7, SUM OF SC	.149F5E-05	.23113E-05	.13085E-06	.11347E-06	.95433E-07	.17877E-06
CLS LY SP MODES	.19036E-05	.25038E-05	.25447E-06	.14672E-06	.13120E-06	.23422E-06

1	1					
		1	0.	0.	0.	0.
		2	0.	0.	0.	0.
		3	0.	0.	0.	0.
		4	0.	0.	0.	0.
		5	0.	0.	0.	0.
		6	0.	0.	0.	0.
		7	0.	0.	0.	0.
		8	0.	0.	0.	0.
		9	0.	0.	0.	0.
		10	0.	0.	0.	0.
		11	0.	0.	0.	0.
		12	0.	0.	0.	0.
		13	0.	0.	0.	0.
		14	0.	0.	0.	0.
		15	0.	0.	0.	0.
		16	0.	0.	0.	0.
		17	0.	0.	0.	0.
		18	0.	0.	0.	0.
		19	0.	0.	0.	0.
		20	0.	0.	0.	0.
		21	0.	0.	0.	0.
		22	0.	0.	0.	0.
		23	0.	0.	0.	0.
		24	0.	0.	0.	0.
		25	0.	0.	0.	0.
		26	0.	0.	0.	0.
		27	0.	0.	0.	0.
		28	0.	0.	0.	0.
		29	0.	0.	0.	0.
		30	0.	0.	0.	0.
		31	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.



22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SGRT. SUM OF SG	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.



# RESPONSE SPECTRUM STRESS COMPONENTS

SQUARE ROOT OF THE SUM OF THE SQUARES OF THE MODAL STRESSES  
(FOR ALL ELEMENTS)

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 1 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.7410E+03 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.8797E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 2 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.1727E+04 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.1826E+04 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 3 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.7699E+03 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.9307E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 4 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.7820E+03 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.9627E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 5 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.7457E+03 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.8203E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 6 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.6089E+03 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.7531E+03 0.





ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 6 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.6089E+03 0.  
CLOSELY SPACED MCODE SUMMATION METHOD  
.7531E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 7 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.1789E+04 0.  
CLOSELY SPACED MCODE SUMMATION METHOD  
.1902E+04 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 8 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.1549E+04 0.  
CLOSELY SPACED MCODE SUMMATION METHOD  
.1583E+04 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 9 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.1069E+04 0.  
CLOSELY SPACED MCODE SUMMATION METHOD  
.1283E+04 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 10 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.2582E+04 0.  
CLOSELY SPACED MCODE SUMMATION METHOD  
.2604E+04 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 11 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.1566E+04 0.  
CLOSELY SPACED MCODE SUMMATION METHOD  
.1597E+04 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 12 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.1152E+04 0.  
CLOSELY SPACED MCODE SUMMATION METHOD  
.1167E+04 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 13 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES



SQUARE ROOT SLM CF THE SQUARES  
1.52E+04 0.  
CLOSELY SPACED MCDE SUMMATION METHOD  
67E+04 0.

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 13 )

BDRY-F BDRY-M  
SQUARE ROOT SLM CF THE SQUARES  
.6750E+03 0.  
CLOSELY SPACED MCDE SUMMATION METHOD  
.7165E+03 0.

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 14 )

BDRY-F BDRY-M  
SQUARE ROOT SLM CF THE SQUARES  
0. .8810E+05  
CLOSELY SPACED MCDE SUMMATION METHOD  
0. .8910E+05

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 15 )

BDRY-F BDRY-M  
SQUARE ROOT SLM CF THE SQUARES  
0. .8416E+05  
CLOSELY SPACED MCDE SUMMATION METHOD  
0. .8486E+05

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 16 )

BDRY-F BDRY-M  
SQUARE ROOT SLM CF THE SQUARES  
0. .1123E+06  
CLOSELY SPACED MCDE SUMMATION METHOD  
0. .1129E+06

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 1 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-.6645E+01	.8455E+01	.1053E+02	.3865E+03	-.1232E+04	.6365E+03	-.6645E+01	.8455E+01	.1053E+02	.3865E+03	-.1219E+04	.6264E+03
-.1607E+02	.7680E+01	-.3156E+02	-.1180E+04	.2814E+04	.9243E+03	-.1607E+02	.7680E+01	-.3156E+02	-.1180E+04	.2777E+04	.9150E+03
.8370E+02	-.8862E+02	-.4519E+02	-.2783E+04	.1076E+04	-.8261E+04	.8370E+02	-.8862E+02	-.4519E+02	-.2783E+04	.1022E+04	-.6154E+04
.2147E+03	-.6290E+02	.3266E+03	.1822E+05	-.1048E+05	-.1053E+05	.2147E+03	-.6290E+02	.3266E+03	.1822E+05	-.1009E+05	-.1046E+05
.1480E+03	-.4972E+02	-.2592E+03	-.1138E+05	.1450E+05	-.7345E+04	.1480E+03	-.4972E+02	-.2592E+03	-.1138E+05	.1419E+05	-.7285E+04
-.1776E+03	-.5875E+03	.3292E+03	.1804E+05	-.7699E+04	-.1185E+05	-.1776E+03	-.5875E+03	.3292E+03	.1804E+05	-.7304E+04	-.1114E+05
.3778E+02	.1361E+02	.1081E+02	.1633E+04	.1750E+04	-.9446E+03	.3778E+02	.1361E+02	.1081E+02	.1633E+04	.1763E+04	-.9609E+03
.4448E+01	.7439E+01	-.2866E+01	-.1263E+03	.1024E+03	.7568E+02	.4448E+01	.7439E+01	-.2866E+01	-.1263E+03	.9947E+02	.6675E+02
-.9743E+02	-.5270E+03	.3154E+02	.1541E+04	.2152E+03	-.1286E+05	-.9743E+02	-.5270E+03	.3154E+02	.1541E+04	.2530E+03	-.1223E+05
.1629E+00	-.4454E+01	-.6146E+00	.3104E+02	.1100E+03	-.1403E+03	.1629E+00	-.4454E+01	-.6146E+00	.3104E+02	.1093E+03	-.1349E+03
.4624E+00	.3023E+02	-.5263E+00	-.1776E+02	.1732E+02	.8881E+03	.4624E+00	.3023E+02	-.5263E+00	-.1776E+02	.1669E+02	.8514E+03
-.2963E+01	.1559E+03	.2571E+01	-.9636E+02	-.4018E+03	.4714E+04	-.2963E+01	.1559E+03	.2571E+01	-.9636E+02	-.3987E+03	.4527E+04
.6038E+01	-.1758E+03	-.4869E+01	-.2923E+03	-.7881E+02	-.5362E+04	.6038E+01	-.1758E+03	-.4869E+01	-.2923E+03	-.8465E+02	-.5151E+04
-.5338E+01	-.1655E+02	-.2067E+01	.1017E+03	.3441E+03	-.3728E+03	-.5338E+01	-.1655E+02	-.2067E+01	.1017E+03	-.3417E+03	-.3530E+03
.1641E+02	.3583E+02	-.5906E+02	-.1506E+04	.2163E+04	.6921E+03	.1641E+02	.3583E+02	-.5906E+02	-.1506E+04	.2092E+04	.6491E+03
.1320E-01	.5481E-02	-.2069E+00	-.5047E+01	.7913E-01	-.1319E+00	.1320E-01	.5481E-02	-.2069E+00	-.5047E+01	.7665E-01	-.1365E+00
-.9422E+01	-.1932E+02	-.4463E+01	-.1170E+03	.1434E+03	-.3571E+03	-.9422E+01	-.1932E+02	-.4463E+01	-.1170E+03	.2882E+03	-.9030E+03
-.3467E+02	-.5803E+02	-.1028E+02	-.2939E+03	.2804E+03	-.9727E+03	-.3467E+02	-.5803E+02	-.1028E+02	-.2939E+03	-.2151E+03	.8764E+03
.3300E+02	.5579E+02	.8645E+01	.2531E+03	-.2255E+03	.9434E+03	.3300E+02	.5579E+02	.8645E+01	.2531E+03	-.6340E+00	.1815E+01
.1694E+00	.1447E+00	.2046E-01	.5023E+00	-.6580E+00	.1989E+01	.1694E+00	.1447E+00	.2046E-01	.5023E+00	-.3370E+02	.3360E+03
.1312E+02	.4058E+02	-.5902E+01	-.3761E+02	.3451E+03	.1552E+03	.1312E+02	.4058E+02	-.5902E+01	-.3761E+02	.1528E+02	-.5839E+02
-.6565E+01	-.1240E+02	.1229E+01	.1528E+02	-.5986E+02	-.2300E+03	-.6565E+01	-.1240E+02	.1229E+01	.1528E+02	.5285E+02	.2538E+02
.1587E+02	.1994E+02	-.3007E+01	-.9246E+02	.5646E+02	.2778E+02	.1587E+02	.1994E+02	-.3007E+01	-.9246E+02	.2232E+03	.1276E+03
-.1033E+00	.4581E+01	-.5723E+01	-.9038E+02	.2300E+03	.1331E+03	-.1033E+00	.4581E+01	-.5723E+01	-.9038E+02	-.3009E+03	.5106E+02
.3279E+01	.4014E+01	.8322E+01	.1415E+03	-.3104E+03	.5588E+02	.3279E+01	.4014E+01	.8322E+01	.1415E+03	-.3372E+03	.2345E+03
.2497E+02	.2474E+02	.6301E+01	.2848E+02	-.3478E+03	.2042E+03	.2497E+02	.2474E+02	.6301E+01	.2848E+02	-.3395E+03	.5610E+03
.2114E+02	.2615E+02	-.1761E+02	-.3395E+03	.5821E+03	.3734E+03	.2114E+02	.2615E+02	-.1761E+02	-.3395E+03	.5610E+03	.3420E+03



-1932E+01	-1932E+01	-4463E+01	-1702E+03	1434E+03	-3571E+03	7822E+01	-1932E+01	-4463E+01	1170E+03	1751E+03	-3340E+03
-3467E+02	-5803E+02	-1028E+02	-2939E+03	2806E+03	-9727E+03	-3467E+02	-5803E+02	-1028E+02	-2939E+03	-2939E+03	-6030E+03
1000E+02	5579E+02	8645E+01	2531E+03	-2255E+03	9434E+03	1000E+02	5579E+02	8645E+01	2531E+03	-2151E+03	-6764E+03
194E+00	1447E+00	2046E-01	5023E+00	-6586E+00	1949E+01	194E+00	1447E+00	2046E-01	5023E+00	-6340E+00	-1815E+01
312E+02	4058E+02	-5902E+01	-3761E+02	3451E+03	9152E+03	312E+02	4058E+02	-5902E+01	-3761E+02	3360E+03	-6665E+03
-6565E+01	-1240E+02	1229E+01	1528E+02	-5986E+02	-2300E+03	-6565E+01	-1240E+02	1229E+01	1528E+02	-5839E+02	-2152E+03
1587E+02	1994E+02	-3007E+01	-9248E+02	5646E+02	2778E+03	1587E+02	1994E+02	-3007E+01	-9248E+02	5285E+02	-2538E+03
-1033E+00	4581E+01	-5723E+01	-9038E+02	2306E+03	1331E+03	-1033E+00	4581E+01	-5723E+01	-9038E+02	2232E+03	-1276E+03
3279E+01	4014E+01	8322E+01	1415E+03	-3104E+03	5588E+02	3279E+01	4014E+01	8322E+01	1415E+03	-3009E+03	5106E+02
2497E+02	2474E+02	6301E+01	2848E+02	-3448E+03	2642E+03	2497E+02	2474E+02	6301E+01	2848E+02	-3372E+03	2345E+03
2114E+02	2615E+02	-1761E+02	-3395E+03	5821E+03	3734E+03	2114E+02	2615E+02	-1761E+02	-3395E+03	5610E+03	3420E+03
2348E+02	2195E+02	-2268E+01	-8851E+02	8957E+01	2185E+03	2348E+02	2195E+02	-2268E+01	-8851E+02	6235E+01	-1923E+03
-1866E+02	-1950E+02	8093E+01	1515E+03	-2649E+03	-2337E+03	-1866E+02	-1950E+02	8093E+01	1515E+03	-2552E+03	-2103E+03
2930E+01	2242E+01	1673E+01	2106E+02	-6846E+02	7065E+02	2930E+01	2242E+01	1673E+01	2106E+02	-6646E+02	6556E+02
7888E+01	6513E+01	-3269E+01	-4042E+02	1319E+03	5291E+02	7888E+01	6513E+01	-3269E+01	-4042E+02	1280E+03	4509E+02

SQUARE ROOT SLM CF THE SQUARES

3508E+03	8406E+03	5393E+03	2835E+05	1998E+05	2383E+05	3508E+03	8406E+03	5393E+03	2835E+05	1938E+05	2296E+05
CLOSELY SPACED MODE SUMMATION METHOD											
4935E+03	9090E+03	7057E+03	3715E+05	2746E+05	3069E+05	4935E+03	9090E+03	7057E+03	3715E+05	2664E+05	2982E+05

ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 2)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
-6645E+01	8455E+01	1053E+02	3865E+03	-1219E+04	6269E+03	1281E+01	1068E+02	1053E+02	-4500E+03	-8004E+03	2697E+03
-1607E+02	7680E+01	-3156E+02	-1180E+04	2777E+04	9159E+03	-5933E+01	1679E+02	-3156E+02	7132E+03	1793E+04	4588E+03
8370E+02	-8862E+02	-4519E+02	-2783E+04	1022E+04	-6154E+04	-3485E+01	-1218E+03	-4519E+02	-1841E+04	1253E+04	-2231E+04
2147E+03	-6290E+02	3266E+03	1822E+05	-1009E+05	-1046E+05	1673E+03	-1263E+03	3266E+03	1005E+05	-9623E+04	-5627E+04
1480E+03	-4972E+02	-2592E+03	-1138E+05	1419E+05	-7285E+04	6951E+02	-1398E+03	-2592E+03	-1425E+04	9829E+04	3752E+04
-1776E+03	-5875E+03	3292E+03	1864E+05	-7308E+04	-1114E+05	-5410E+03	-2898E+03	3292E+03	1193E+05	-7447E+04	5209E+04
3778E+02	1361E+02	1081E+02	1633E+04	1763E+04	-9609E+03	3634E+02	-1709E+02	1081E+02	2544E+04	4355E+03	-8959E+03
4448E+01	7439E+01	-2866E+01	-1263E+03	9947E+02	6675E+02	8405E+01	-2115E+01	-2866E+01	-5677E+02	6846E+02	-1113E+03
-9743E+02	-5276E+03	3154E+02	1541E+04	2530E+03	-1223E+05	-4416E+03	-3032E+03	3154E+02	1684E+04	9261E+02	3254E+04
1629E+00	-4450E+01	-6446E+00	3104E+02	1093E+03	-1349E+03	-3034E+01	-3264E+01	-6446E+00	9072E+02	3481E+02	8929E+01
4624E+00	3023E+02	-5263E+00	-1776E+02	1669E+02	8518E+03	2171E+02	2105E+02	-5263E+00	-7693E+01	7617E+01	-1042E+03
-2963E+01	1559E+03	2571E+01	-9636E+02	-3987E+03	4527E+04	1081E+03	1123E+03	2571E+01	-3162E+03	-1320E+03	-4733E+03
6038E+01	-1758E+03	-4869E+01	-2923E+03	-8465E+02	-5151E+04	-1201E+03	-1286E+03	-4869E+01	-3307E+03	-8095E+01	5245E+03
-5338E+01	-1655E+02	-2067E+01	1017E+03	3417E+03	-3530E+03	-1548E+02	-7931E+01	-2067E+01	2863E+03	1039E+03	1034E+03
1641E+02	3583E+02	-5906E+02	-1506E+04	2092E+04	6491E+03	3694E+02	1373E+02	-5906E+02	-3647E+03	6650E+03	-2747E+03
1320E+01	5481E+02	-2069E+00	-5047E+01	7665E+01	-1385E+00	1321E+01	-5460E+02	-2069E+00	-8758E+00	2405E+01	-1369E+00
-9822E+01	-1932E+02	-4463E+01	-1170E+03	1381E+03	-3340E+03	-2061E+02	-6714E+01	-4463E+01	-4391E+02	3838E+02	1513E+03
-3467E+02	-5803E+02	-1028E+02	-2939E+03	2682E+03	-9030E+03	-6555E+02	-1652E+02	-1028E+02	-1536E+03	7046E+02	4664E+03
3300E+02	5579E+02	8645E+01	2531E+03	-2511E+03	8764E+03	6279E+02	1612E+02	8645E+01	1408E+03	-5603E+02	-4640E+03
194E+00	1447E+00	2046E-01	5023E+00	-6340E+00	1815E+01	1797E+00	2498E-01	2046E-01	1764E+00	-1526E+00	-1347E+01
312E+02	4058E+02	-5902E+01	-3761E+02	3380E+03	8665E+03	3797E+02	1941E+02	-5902E+01	1346E+03	-7779E+02	-2518E+03
-6565E+01	-1240E+02	1229E+01	1528E+02	-5039E+02	-2152E+03	-1341E+02	-4123E+01	1229E+01	-1428E+02	1229E+01	-9273E+02
1587E+02	1994E+02	-3007E+01	-9248E+02	5285E+02	2538E+03	2532E+02	2882E+01	-3007E+01	-6766E+02	7078E+01	-1717E+03
-1033E+00	4581E+01	-5723E+01	-9038E+02	2232E+03	1276E+03	3168E+01	3312E+01	-5723E+01	1846E+02	3495E+02	-1950E+02
3279E+01	4014E+01	8322E+01	1415E+03	-3009E+03	5106E+02	5157E+01	5198E+00	8322E+01	-2994E+01	-4801E+02	-3344E+02
2497E+02	2474E+02	6301E+01	2848E+02	-3372E+03	2345E+03	3515E+02	-1617E+00	6301E+01	-1353E+03	-5808E+02	-2237E+03
2114E+02	2615E+02	-1761E+02	-3395E+03	5610E+03	3420E+03	3344E+02	-3538E+01	-1761E+02	-7546E+02	7653E+02	-2112E+03
2348E+02	2195E+02	-2268E+01	-8851E+02	8957E+01	1923E+03	3212E+02	-1080E+01	-2268E+01	-8807E+02	-5162E+01	-1967E+03
-1866E+02	-1950E+02	8093E+01	1515E+03	-2552E+03	-2103E+03	-2698E+02	-5898E+00	8093E+01	3332E+02	-3004E+02	1641E+03
2930E+01	2242E+01	1673E+01	2106E+02	-6646E+02	6556E+02	5071E+01	9273E+00	1673E+01	-1009E+02	-8602E+01	-3078E+02
7888E+01	6513E+01	-3269E+01	-4042E+02	1280E+03	4509E+02	1018E+02	-9723E+00	-3269E+01	1881E+02	1505E+02	-5819E+02

SQUARE ROOT SLM CF THE SQUARES

3508E+03	8406E+03	5393E+03	2835E+05	1938E+05	2296E+05	7408E+03	5299E+03	5393E+03	1611E+05	1584E+05	9533E+04
CLOSELY SPACED MODE SUMMATION METHOD											
4935E+03	9090E+03	7057E+03	3715E+05	2664E+05	2982E+05	8135E+03	6555E+03	7057E+03	1966E+05	2170E+05	1304E+05

ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 2)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
8455E+01	6645E+01	1053E+02	-7455E+03	8717E+02	-5313E+02
7680E+01	1607E+02	-3156E+02	1356E+04	-2406E+03	-1537E+03
-8662E+02	-8370E+02	-4519E+02	-1012E+04	7096E+03	1600E+04
-6290E+02	-2147E+03	3266E+03	4609E+04	-3523E+04	2033E+04
-4972E+02	-1480E+03	-2592E+03	2526E+04	-2909E+03	1613E+04
-5875E+03	1776E+03	3292E+03	7510E+04	-3228E+04	7300E+04
1361E+02	-3778E+02	1081E+02	2249E+04	-1147E+04	1270E+03



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 2 )

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.855E+01	.6645E+01	.1053E+02	-.7455E+03	.8717E+02	-.5313E+02
.7680E+01	.1607E+02	-.3156E+02	.1356E+04	-.2406E+03	-.1537E+03
-.8662E+02	-.8370E+02	-.4519E+02	-.1012E+04	.7476E+03	.1600E+04
-.6290E+02	-.2147E+03	.3266E+03	.4609E+04	-.3523E+04	.2033E+04
-.4072E+02	-.1480E+03	-.2592E+03	.2526E+04	-.2909E+03	.1613E+04
-.5875E+03	.1776E+03	.3292E+03	.7510E+04	-.3228E+04	.7300E+04
.1361E+02	-.3778E+02	.1081E+02	.2249E+04	-.1147E+04	.1270E+03
.7439E+01	.4448E+01	-.2866E+01	-.2951E+02	-.2651E+01	-.6787E+02
-.5270E+03	.9743E+02	.3154E+02	.1672E+04	-.1221E+03	.7100E+04
-.4454E+01	-.1629E+00	-.6446E+00	.8027E+02	-.6005E+02	.7281E+02
.3023E+02	-.4024E+00	-.5263E+00	-.6991E+01	-.5921E+01	-.4879E+03
.1559E+03	.2963E+01	.2571E+01	-.2831E+03	.2120E+03	-.2622E+04
-.1758E+03	-.6038E+01	-.4869E+01	-.3037E+03	.7320E+02	.3034E+04
-.1655E+02	.5338E+01	-.2067E+01	.2484E+03	-.1947E+03	.1518E+03
.3583E+02	-.1641E+02	-.5906E+02	-.5653E+03	-.1152E+04	-.2248E+03
.5481E+02	-.1320E+01	-.2069E+00	-.1664E+01	-.4264E+01	.2090E+00
-.1932E+02	.9822E+01	-.4463E+01	-.6273E+02	-.8381E+02	.9333E+02
-.5803E+02	.3467E+02	-.1028E+02	-.1942E+03	-.1686E+03	.1481E+03
.5579E+02	-.3300E+02	.8645E+01	.1739E+03	.1359E+03	-.1494E+03
.1447E+00	-.1094E+00	.2046E+01	.2865E+00	.4182E+00	.2256E+00
.4058E+02	-.1312E+02	-.5902E+01	.7240E+02	-.2280E+03	.3690E+03
-.1240E+02	.6565E+01	.1229E+01	-.3073E+01	.4003E+02	.4720E+02
.1094E+02	-.1587E+02	-.3007E+01	-.8247E+02	-.4284E+02	.7044E+02
.4581E+01	.1033E+00	-.5723E+01	-.3439E+02	-.1672E+03	-.8316E+02
.4014E+01	-.3279E+01	.8322E+01	.7362E+02	.2330E+03	.1799E+02
.2474E+02	-.2497E+02	.6301E+01	-.5366E+02	.2551E+03	.2448E+03
.2615E+02	-.2114E+02	-.1761E+02	-.2313E+03	-.4527E+03	.1169E+03
.2195E+02	-.2348E+02	-.2268E+01	-.9581E+02	-.1353E+02	.2610E+03
-.1950E+02	.1866E+02	.8093E+01	.1090E+03	.2127E+03	-.1728E+03
.4242E+01	-.2930E+01	.1673E+01	.8837E+01	.5429E+02	.6552E+01
.6513E+01	-.7888E+01	-.3269E+01	-.1914E+02	-.1067E+03	.1070E+03

SQUARE ROOT SUM OF THE SQUARES

.8406E+03	.3508E+03	.5393E+03	.9800E+04	.5178E+04	.1139E+05
CLOSELY SPACED WCOF SUMMATION METHOD					
.9090E+03	.4935E+03	.7057E+03	.1277E+05	.6475E+04	.1283E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 3 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.8455E+01	.6645E+01	.1053E+02	-.7455E+03	.8717E+02	-.5313E+02	.8455E+01	.6645E+01	.1053E+02	-.7455E+03	.4977E+03	-.3123E+03
.7680E+01	.1607E+02	-.3156E+02	.1356E+04	-.2406E+03	-.1537E+03	.7680E+01	.1607E+02	-.3156E+02	.1356E+04	-.1471E+04	-.7805E+03
-.8662E+02	-.8370E+02	-.4519E+02	-.1012E+04	.7476E+03	.1600E+04	-.8662E+02	-.8370E+02	-.4519E+02	-.1012E+04	-.1013E+04	.4864E+04
-.6290E+02	-.2147E+03	.3266E+03	.4609E+04	-.3523E+04	.2033E+04	-.6290E+02	-.2147E+03	.3266E+03	.4609E+04	.9213E+04	.1040E+05
-.4072E+02	-.1480E+03	-.2592E+03	.2526E+04	-.2909E+03	.1613E+04	-.4072E+02	-.1480E+03	-.2592E+03	.2526E+04	-.1040E+05	.7386E+04
-.5875E+03	.1776E+03	.3292E+03	.7510E+04	-.3228E+04	.7300E+04	-.5875E+03	.1776E+03	.3292E+03	.7510E+04	.9611E+04	.3719E+03
.1361E+02	-.3778E+02	.1081E+02	.2249E+04	-.1147E+04	.1270E+03	.1361E+02	-.3778E+02	.1081E+02	.2249E+04	-.7252E+03	.1600E+04
.7439E+01	.4448E+01	-.2866E+01	-.2951E+02	-.2651E+01	-.6787E+02	.7439E+01	.4448E+01	-.2866E+01	-.2951E+02	-.1144E+03	.1056E+03
-.5270E+03	.9743E+02	.3154E+02	.1672E+04	-.1221E+03	.7100E+04	-.5270E+03	.9743E+02	.3154E+02	.1672E+04	.1108E+04	.3301E+04
-.4454E+01	-.1629E+00	-.6446E+00	.8027E+02	-.6005E+02	.7281E+02	-.4454E+01	-.1629E+00	-.6446E+00	.8027E+02	-.8519E+02	.7916E+02
.3023E+02	-.4024E+00	-.5263E+00	-.6991E+01	-.5921E+01	-.4879E+03	.3023E+02	-.4024E+00	-.5263E+00	-.6991E+01	-.2645E+02	-.4699E+03
.1559E+03	.2963E+01	.2571E+01	-.2831E+03	.2120E+03	-.2622E+04	.1559E+03	.2963E+01	.2571E+01	-.2831E+03	.3123E+03	-.2738E+04
-.1758E+03	-.6038E+01	-.4869E+01	-.3037E+03	.7320E+02	.3034E+04	-.1758E+03	-.6038E+01	-.4869E+01	-.3037E+03	-.1167E+03	.3270E+04
-.1655E+02	.5338E+01	-.2067E+01	.2486E+03	-.1947E+03	.1518E+03	-.1655E+02	.5338E+01	-.2067E+01	.2486E+03	-.2753E+03	-.5639E+02
.3583E+02	-.1641E+02	-.5906E+02	-.5653E+03	-.1152E+04	-.2248E+03	.3583E+02	-.1641E+02	-.5906E+02	-.5653E+03	.3455E+04	.4151E+03
.5481E+02	-.1320E+01	-.2069E+00	-.1664E+01	-.4264E+01	.2090E+00	.5481E+02	-.1320E+01	-.2069E+00	-.1664E+01	-.1233E+02	.7238E+00
-.1932E+02	.9822E+01	-.4463E+01	-.6273E+02	-.8381E+02	.9333E+02	-.1932E+02	.9822E+01	-.4463E+01	-.6273E+02	-.2579E+03	-.2847E+03
-.5803E+02	.3467E+02	-.1028E+02	-.1942E+03	-.1686E+03	.1481E+03	-.5803E+02	.3467E+02	-.1028E+02	-.1942E+03	-.5644E+03	-.1204E+04
.5579E+02	-.3300E+02	.8645E+01	.1739E+03	.1359E+03	-.1494E+03	.5579E+02	-.3300E+02	.8645E+01	.1739E+03	.4731E+03	.1138E+04
.1447E+00	-.1094E+00	.2046E+01	.2865E+00	.4182E+00	.2256E+00	.1447E+00	-.1094E+00	.2046E+01	.2865E+00	.1216E+01	.4491E+01
.4058E+02	-.1312E+02	-.5902E+01	.7240E+02	-.2280E+03	.3690E+03	.4058E+02	-.1312E+02	-.5902E+01	.7240E+02	-.4501E+03	.1428E+03
-.1240E+02	.6565E+01	.1229E+01	-.3073E+01	.4003E+02	.4720E+02	-.1240E+02	.6565E+01	.1229E+01	-.3073E+01	.8797E+02	-.2086E+03
.1994E+02	-.1587E+02	-.3007E+01	-.8247E+02	-.4284E+02	.7044E+02	.1994E+02	-.1587E+02	-.3007E+01	-.8247E+02	-.1601E+03	.6844E+03
.4581E+01	.1033E+00	-.5723E+01	-.3439E+02	-.1672E+03	-.8316E+02	.4581E+01	.1033E+00	-.5723E+01	-.3439E+02	-.3904E+03	-.8719E+02
.4014E+01	-.3279E+01	.8322E+01	.7362E+02	.2330E+03	.1799E+02	.4014E+01	-.3279E+01	.8322E+01	.7362E+02	.5575E+03	.1459E+03
.2474E+02	-.2497E+02	.6301E+01	-.5366E+02	.2551E+03	.2448E+03	.2474E+02	-.2497E+02	.6301E+01	-.5366E+02	.5008E+03	.1219E+04
.2615E+02	-.2114E+02	-.1761E+02	-.2313E+03	-.4527E+03	.1169E+03	.2615E+02	-.2114E+02	-.1761E+02	-.2313E+03	.1139E+04	.9415E+03
.2195E+02	-.2348E+02	-.2268E+01	-.9581E+02	-.1353E+02	.2610E+03	.2195E+02	-.2348E+02	-.2268E+01	-.9581E+02	-.1620E+03	.1177E+04
-.1950E+02	.1866E+02	.8093E+01	.1090E+03	.2127E+03	-.1728E+03	-.1950E+02	.1866E+02	.8093E+01	.1090E+03	.5283E+03	-.9006E+03
.4242E+01	-.2930E+01	.1673E+01	.8837E+01	.5429E+02	.6552E+01	.4242E+01	-.2930E+01	.1673E+01	.8837E+01	.1195E+03	.1208E+03





.5742E+02	.3300E+02	.6845E+01	.1732E+03	.1559E+03	.1474E+03	.5577E+00	.1090E+00	.2046E+01	.2865E+00	.1166E+01	.4491E+01
.1440E+00	.1094E+00	.2046E+01	.7500E+00	.4182E+00	.2256E+00	.447E+00	.1090E+00	.2046E+01	.2865E+00	.1166E+01	.4491E+01
.4058E+02	.1312E+02	.5902E+01	.7240E+02	.2280E+03	.3690E+03	.4058E+02	.1312E+02	.5902E+01	.7240E+02	.4501E+03	.1428E+03
.740E+02	.6565E+01	.1229E+01	.3073E+01	.4003E+02	.4720E+02	.740E+02	.6565E+01	.1229E+01	.3073E+01	.8797E+02	.2086E+03
.740E+02	.1587E+02	.3007E+01	.8247E+02	.4284E+02	.7044E+02	.740E+02	.1587E+02	.3007E+01	.8247E+02	.1601E+03	.6844E+03
.581E+01	.1033E+00	.5723E+01	.3439E+02	.1672E+03	.8316E+02	.581E+01	.1033E+00	.5723E+01	.3439E+02	.3904E+03	.8719E+02
.4014E+01	.3279E+01	.8322E+01	.7362E+02	.2330E+03	.1799E+02	.4014E+01	.3279E+01	.8322E+01	.7362E+02	.5575E+03	.1459E+03
.2474E+02	.2497E+02	.6301E+01	.5366E+02	.2551E+03	.2448E+03	.2474E+02	.2497E+02	.6301E+01	.5366E+02	.5008E+03	.1219E+04
.2615E+02	.2114E+02	.1761E+02	.2313E+03	.0527E+03	.1169E+03	.2615E+02	.2114E+02	.1761E+02	.2313E+03	.1139E+04	.9415E+03
.2195E+02	.2348E+02	.2268E+01	.9581E+02	.1353E+02	.2610E+03	.2195E+02	.2348E+02	.2268E+01	.9581E+02	.1020E+03	.1177E+04
.1950E+02	.1866E+02	.8093E+01	.1090E+03	.2127E+03	.1728E+03	.1950E+02	.1866E+02	.8093E+01	.1090E+03	.5263E+03	.9006E+03
.4242E+01	.2930E+01	.1673E+01	.8837E+01	.5429E+02	.6552E+01	.4242E+01	.2930E+01	.1673E+01	.8837E+01	.1195E+03	.1208E+03
.6513E+01	.7888E+01	.3269E+01	.1914E+02	.1067E+03	.1070E+03	.6513E+01	.7888E+01	.3269E+01	.1914E+02	.2341E+03	.4146E+03

SQUARE ROOT SLM OF THE SQUARES

.8406E+03	.3508E+03	.5393E+03	.9800E+04	.5178E+04	.1139E+05	.8406E+03	.3508E+03	.5393E+03	.9800E+04	.1749E+05	.1508E+05
.8406E+03	.3508E+03	.5393E+03	.9800E+04	.5178E+04	.1139E+05	.8406E+03	.3508E+03	.5393E+03	.9800E+04	.1749E+05	.1508E+05
.9090E+03	.4935E+03	.7057E+03	.1277E+05	.6495E+04	.1283E+05	.9090E+03	.4935E+03	.7057E+03	.1277E+05	.2312E+05	.2272E+05

ELEMENT TYPE (3/D P I P E

)/ / / ELEMENT NUMBER ( 4)

PX(I)	VY(J)	VZ(J)	TX(I)	MY(J)	MZ(J)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.8128E+01	.5727E+01	.8865E+01	.7455E+03	.4977E+03	.3123E+03	.8128E+01	.5727E+01	.8865E+01	.7455E+03	.1242E+04	.7933E+03
.6448E+01	.1253E+02	.2221E+02	.1356E+04	.1471E+04	.7805E+03	.6448E+01	.1253E+02	.2221E+02	.1356E+04	.3337E+04	.1833E+04
.7523E+02	.4961E+02	.3093E+02	.1012E+04	.1013E+04	.4864E+04	.7523E+02	.4961E+02	.3093E+02	.1012E+04	.3611E+04	.9031E+04
.3257E+02	.1260E+03	.2014E+03	.4609E+04	.9213E+04	.1040E+05	.3257E+02	.1260E+03	.2014E+03	.4609E+04	.2613E+05	.2099E+05
.2637E+02	.8108E+02	.1275E+03	.2524E+04	.1040E+05	.7386E+04	.2637E+02	.8108E+02	.1275E+03	.2524E+04	.2128E+05	.1420E+05
.5687E+03	.1380E+03	.1781E+03	.7510E+04	.9611E+04	.3719E+03	.5687E+03	.1380E+03	.1781E+03	.7510E+04	.2457E+05	.1122E+05
.1963E+02	.1076E+02	.1357E+02	.2249E+04	.7252E+03	.1600E+04	.1963E+02	.1076E+02	.1357E+02	.2249E+04	.4147E+03	.3008E+04
.7558E+01	.2584E+01	.1239E+01	.2951E+02	.1144E+03	.1056E+03	.7558E+01	.2584E+01	.1239E+01	.2951E+02	.2185E+03	.3227E+03
.4867E+03	.9013E+02	.2787E+02	.1672E+04	.1108E+04	.3301E+04	.4867E+03	.9013E+02	.2787E+02	.1672E+04	.3449E+04	.4270E+04
.3468E+01	.8057E+00	.5059E+00	.8027E+02	.8519E+02	.7916E+02	.3468E+01	.8057E+00	.5059E+00	.8027E+02	.4269E+02	.1148E+02
.2385E+02	.4638E+01	.7956E+01	.6991E+01	.2645E+02	.4699E+03	.2385E+02	.4638E+01	.7956E+01	.6991E+01	.3313E+02	.6346E+02
.1175E+03	.2657E+02	.2845E+01	.2831E+03	.3123E+03	.2738E+04	.1175E+03	.2657E+02	.2845E+01	.2831E+03	.7330E+02	.5065E+03
.1305E+03	.2905E+02	.2873E+01	.3037E+03	.1167E+03	.3270E+04	.1305E+03	.2905E+02	.2873E+01	.3037E+03	.3580E+03	.8246E+03
.1337E+02	.4575E+01	.3354E+01	.2486E+03	.2753E+03	.5639E+02	.1337E+02	.4575E+01	.3354E+01	.2486E+03	.6364E+01	.4407E+03
.2670E+02	.8306E+01	.1397E+02	.5653E+03	.3455E+04	.4151E+03	.2670E+02	.8306E+01	.1397E+02	.5653E+03	.2281E+04	.1113E+04
.9646E+02	.2862E+03	.5673E+01	.1644E+01	.1233E+02	.7238E+00	.9646E+02	.2862E+03	.5673E+01	.1644E+01	.7568E+01	.7479E+00
.1534E+02	.3489E+01	.1721E+01	.6273E+02	.2579E+03	.2897E+03	.1534E+02	.3489E+01	.1721E+01	.6273E+02	.1133E+03	.5628E+03
.4803E+02	.8125E+01	.3817E+01	.1942E+03	.5694E+03	.1204E+04	.4803E+02	.8125E+01	.3817E+01	.1942E+03	.2486E+03	.1886E+04
.4677E+02	.7700E+01	.3116E+01	.1739E+03	.4757E+02	.1138E+04	.4677E+02	.7700E+01	.3116E+01	.1739E+03	.2113E+03	.1789E+04
.1321E+00	.2092E+02	.1109E+01	.2865E+00	.1216E+01	.4491E+01	.1321E+00	.2092E+02	.1109E+01	.2865E+00	.2843E+00	.5171E+01
.2141E+02	.8960E+01	.7031E+01	.7240E+02	.4581E+03	.1028E+03	.2141E+02	.8960E+01	.7031E+01	.7240E+02	.1325E+03	.8955E+03
.6382E+01	.1422E+01	.1301E+01	.3073E+01	.8497E+02	.2088E+03	.6382E+01	.1422E+01	.1301E+01	.3073E+01	.2130E+02	.3203E+03
.1657E+02	.2261E+01	.1911E+01	.8247E+02	.1601E+03	.6894E+03	.1657E+02	.2261E+01	.1911E+01	.8247E+02	.3778E+03	.4944E+03
.6195E+00	.2277E+01	.7243E+01	.3439E+02	.3704E+03	.8719E+02	.6195E+00	.2277E+01	.7243E+01	.3439E+02	.2181E+03	.1041E+03
.3130E+01	.8331E+00	.1117E+02	.7362E+02	.5575E+03	.1459E+02	.3130E+01	.8331E+00	.1117E+02	.7362E+02	.5810E+03	.7586E+02
.2490E+02	.1064E+02	.1251E+02	.5366E+02	.5008E+03	.1219E+04	.2490E+02	.1064E+02	.1251E+02	.5366E+02	.5501E+03	.3247E+03
.1662E+02	.6534E+01	.2406E+02	.2313E+03	.1139E+04	.9415E+03	.1662E+02	.6534E+01	.2406E+02	.2313E+03	.8820E+03	.3426E+03
.2332E+02	.1295E+02	.1209E+01	.9581E+02	.1020E+03	.1177E+04	.2332E+02	.1295E+02	.1209E+01	.9581E+02	.4315E+00	.8915E+02
.1691E+02	.9573E+01	.1266E+02	.1090E+03	.5283E+03	.9006E+03	.1691E+02	.9573E+01	.1266E+02	.1090E+03	.5353E+03	.9647E+02
.1505E+01	.8892E+00	.3329E+01	.8837E+01	.1195E+03	.1708E+03	.1505E+01	.8892E+00	.3329E+01	.8837E+01	.1601E+03	.4614E+02
.8339E+01	.6337E+01	.7088E+01	.1914E+02	.2341E+03	.4146E+03	.8339E+01	.6337E+01	.7088E+01	.1914E+02	.3612E+03	.1177E+03

SQUARE ROOT SLM OF THE SQUARES

.7798E+03	.2343E+03	.3049E+03	.9800E+04	.1749E+05	.1508E+05	.7798E+03	.2343E+03	.3049E+03	.9800E+04	.4224E+05	.2986E+05
.7798E+03	.2343E+03	.3049E+03	.9800E+04	.1749E+05	.1508E+05	.7798E+03	.2343E+03	.3049E+03	.9800E+04	.4224E+05	.2986E+05
.8308E+03	.3093E+03	.4048E+03	.1277E+05	.2312E+05	.2272E+05	.8308E+03	.3093E+03	.4048E+03	.1277E+05	.5576E+05	.4416E+05

ELEMENT TYPE (3/D P I P E

)/ / / ELEMENT NUMBER ( 5)

PX(I)	VY(J)	VZ(J)	TX(I)	MY(J)	MZ(J)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.7946E+01	.4759E+01	.7433E+01	.7455E+03	.1242E+04	.7933E+03	.7946E+01	.4759E+01	.7433E+01	.7455E+03	.1867E+04	.1193E+04
.5766E+01	.8956E+01	.1431E+02	.1356E+04	.3337E+04	.1833E+04	.5766E+01	.8956E+01	.1431E+02	.1356E+04	.4539E+04	.2585E+04
.6777E+02	.1671E+02	.1647E+02	.1012E+04	.3611E+04	.9031E+04	.6777E+02	.1671E+02	.1647E+02	.1012E+04	.4994E+04	.1043E+05
.1566E+02	.3763E+02	.8118E+02	.4609E+04	.2613E+05	.2099E+05	.1566E+02	.3763E+02	.8118E+02	.4609E+04	.3295E+05	.2415E+05
.1349E+02	.1511E+02	.1738E+02	.2524E+04	.2128E+05	.1420E+05	.1349E+02	.1511E+02	.1738E+02	.2524E+04	.2274E+05	.1547E+05
.5571E+03	.7450E+02	.3380E+02	.7510E+04	.2457E+05	.1122E+05	.5571E+03	.7450E+02	.3380E+02	.7510E+04	.2741E+05	.1744E+05
.2286E+02	.4500E+01	.9713E+01	.2249E+04	.4147E+03	.3008E+04	.2286E+02	.4500E+01	.9713E+01	.2249E+04	.1231E+04	.2630E+04
.7601E+01	.4121E+00	.1190E+00	.2951E+02	.2185E+03	.3227E+03	.7601E+01	.4121E+00	.1190E+00	.2951E+02	.2085E+03	.3573E+03
.4629E+03	.4936E+02	.2577E+02	.1672E+04	.3449E+04	.4270E+04	.4629E+03	.4936E+02	.2577E+02	.1672E+04	.5614E+04	.8416E+04
.2404E+01	.1182E+01	.6974E+00	.8027E+02	.4269E+02	.1148E+02	.2404E+01	.1182E+01	.6974E+00	.8027E+02	.1569E+02	.8780E+02



PX(I)	VY(J)	VZ(J)	TX(I)	MY(J)	MZ(J)
.7946E+01	.4759E+01	.7433E+01	-.7455E+03	.1657E+04	-.1143E+04
.766E+01	.8956E+01	-.1431E+02	.1356E+04	-.4539E+04	-.2585E+04
.77E+02	-.1671E+02	-.1647E+02	-.1012E+04	-.4994E+04	.1043E+05
-.1586E+02	-.3763E+02	.8118E+02	.4609E+04	.3295E+05	.2415E+05
-.1349E+02	-.1511E+02	-.1732E+02	.2526E+04	-.2274E+05	.1547E+05
-.5571E+03	.7450E+02	.3380E+02	.7510E+04	.2741E+05	-.1748E+05
.286E+02	.4500E+01	.9713E+01	.2249E+04	.1231E+04	.2630E+04
.7601E+01	-.4121E+00	.1190E+00	-.2951E+02	-.2085E+03	.3573E+03
-.429E+03	.4936E+02	.2577E+02	.1672E+04	.5614E+04	-.8416E+04
-.2904E+01	.1182E+01	.6974E+00	.8027E+02	.1569E+02	-.8780E+02
.2017E+02	-.4717E+01	.1910E+00	-.6991E+01	-.1709E+02	.3327E+02
.9544E+02	-.2905E+02	-.1168E+01	.2831E+03	-.2768E+03	.1933E+04
-.1045E+03	.3136E+02	-.4424E+00	-.3037E+03	-.3952E+03	-.1804E+04
-.1449E+02	.2395E+01	.3924E+01	.2486E+03	.3360E+03	-.6418E+03
.2595E+02	.1421E+01	.3886E+02	-.5653E+03	.9828E+03	.9864E+03
.1229E+01	.7121E+02	.1422E+00	-.1646E+01	.4378E+01	.1447E+00
-.1208E+02	-.3194E+01	.3306E+01	.6273E+02	.1644E+03	-.3145E+03
-.1162E+02	-.1501E+02	.7343E+01	-.1942E+03	.3661E+03	-.6253E+03
.3736E+02	.1440E+02	-.6119E+01	.1739E+03	-.3027E+03	.5801E+03
.1223E+00	.6042E+01	-.1535E+01	.2865E+00	-.1005E+01	.9530E+01
.1034E+02	.3856E+01	.5346E+01	.7240E+02	.5816E+03	.5716E+03
-.5954E+01	-.3412E+01	-.1041E+01	-.3073E+01	-.1088E+03	-.4169E+02
.1413E+02	.1053E+02	.1978E+02	.1978E+02	.1665E+03	.3855E+03
-.3453E+01	-.3798E+00	.3529E+01	-.3439E+02	.5145E+03	.1306E+03
.2506E+01	.2183E+01	-.4162E+01	.7362E+02	-.7306E+03	-.1075E+03
.2377E+02	.1617E+02	-.1770E+01	-.5366E+02	-.6948E+03	-.1034E+04
.1354E+02	-.1371E+02	.6378E+01	-.2313E+03	.1418E+04	-.7587E+03
.2273E+02	.1371E+02	.1182E+01	-.9581E+02	.9882E+02	-.1062E+04
-.1246E+02	-.1075E+02	-.8591E+00	.1090E+03	-.6074E+03	.8063E+03
-.9471E+01	.1805E+01	.3432E+00	.8837E+01	-.1312E+03	-.1055E+03
.8702E+01	.2909E+01	-.1795E+01	-.1914E+02	.2105E+03	-.3620E+03

SQUARE ROOT SUM OF THE SQUARES

PX(I)	VY(J)	VZ(J)	TX(I)	MY(J)	MZ(J)
.7463E+03	.1151E+03	.1053E+03	.9800E+04	.4941E+05	.3655E+05
.7893E+03	.1423E+03	.1323E+03	.1277E+05	.6591E+05	.5198E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 6)

PX(I)	VY(J)	VZ(J)	TX(I)	MY(J)	MZ(J)
.7780E+01	.3651E+01	.5961E+01	-.7455E+03	.1657E+04	-.1143E+04
.5151E+01	.5291E+01	-.6555E+01	.1356E+04	-.4539E+04	-.2585E+04
-.6099E+02	.1702E+02	-.9612E+00	-.1012E+04	-.4994E+04	.1043E+05
-.8447E+00	.5375E+02	-.4360E+02	.4609E+04	.3295E+05	.2415E+05
-.1920E+01	.5255E+02	.9336E+02	.2526E+04	-.2274E+05	.1547E+05
-.5455E+03	-.1863E+01	-.1111E+03	.7510E+04	.2741E+05	-.1748E+05
.2674E+02	.2656E+02	.2207E+01	.2249E+04	.1231E+04	.2630E+04
.7619E+01	.1918E+01	.1312E+01	-.2951E+02	-.2085E+03	.3573E+03
-.4400E+03	-.1016E+02	.3249E+02	.1672E+04	.5614E+04	-.8416E+04
-.2381E+01	.1340E+01	.2865E+00	.8027E+02	.1569E+02	-.8780E+02
.1675E+02	-.2026E+01	.3034E+00	-.6991E+01	-.1709E+02	.3327E+02
.7502E+02	-.1628E+02	-.3526E+01	-.2831E+03	-.2768E+03	.1933E+04
-.8045E+02	.1362E+02	.1018E+01	-.3037E+03	-.3952E+03	-.1804E+04
-.9491E+01	.1950E+01	.2352E+01	.2486E+03	.3360E+03	-.6418E+03
.2228E+02	.5429E+01	.2812E+02	-.5653E+03	.9828E+03	.9864E+03
.1424E+01	.7647E+02	.1003E+00	-.1646E+01	.4378E+01	.1447E+00
-.1048E+02	-.5470E+01	.1845E+01	.6273E+02	.1644E+03	-.3145E+03
-.3514E+02	-.2007E+02	.3689E+01	-.1942E+03	.3661E+03	-.6253E+03
.3293E+00	.1924E+02	-.3096E+01	.1739E+03	-.3027E+03	.5801E+03
.1112E+00	.6152E+01	-.3538E+02	.2865E+00	-.1005E+01	.9530E+01
.1721E+00	.1053E+02	-.1913E+01	.7240E+02	.5816E+03	.5716E+03
-.3634E+01	-.4039E+01	.3058E+00	-.3073E+01	-.1088E+03	-.4169E+02
.1150E+02	.5465E+01	-.3044E+00	.8247E+02	.1665E+03	.3855E+03
-.5875E+01	.1738E+01	-.4322E+01	.5145E+03	-.7306E+03	-.1075E+03
.1847E+01	.5160E+00	.7728E+01	-.6948E+03	-.1034E+04	-.7587E+03
.2172E+02	-.1259E+01	.1054E+02	-.2313E+03	.9882E+02	-.1062E+04
.8369E+01	.7518E+00	-.1895E+02	.1418E+04	.9882E+02	-.1062E+04
.2103E+02	-.6288E+01	-.6069E+00	.8063E+03	-.6074E+03	.8063E+03
-.1148E+02	.3633E+01	.1132E+02	.1090E+03	-.6074E+03	.8063E+03
-.1533E+01	-.2971E+00	.3109E+01	.8837E+01	-.1312E+03	-.1055E+03
.6430E+01	-.5241E+01	-.6786E+01	-.1914E+02	.2105E+03	-.3620E+03



PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.7578E+01	.2312E+01	.4357E+01	-.7455E+03	.2554E+04	-.1590E+04	.7578E+01	.2312E+01	.4357E+01	-.7455E+03	.2763E+04	-.1701E+04
.4405E+01	.1624E+01	.1343E+01	.1356E+04	-.4884E+04	-.3045E+04	.4405E+01	.1624E+01	.1343E+01	.1356E+04	-.4822E+04	-.3123E+04
-.5275E+02	.5313E+02	.1611E+02	-.1012E+04	-.3985E+04	.5763E+04	-.5275E+02	.5313E+02	.1611E+02	-.1012E+04	-.3212E+04	.3213E+04
.1725E+02	.1519E+03	-.1783E+03	.4609E+04	.1817E+05	.1045E+05	.1725E+02	.1519E+03	-.1783E+03	.4609E+04	.9613E+04	.3158E+04
.1202E+02	.1253E+03	.2117E+03	.2526E+04	-.2422E+04	.3622E+05	.1202E+02	.1253E+03	.2117E+03	.2526E+04	.7740E+04	-.2342E+04
-.5304E+03	-.8800E+02	-.2616E+03	.7510E+04	.2594E+04	-.1150E+05	-.5304E+03	-.8800E+02	-.2616E+03	.7510E+04	-.9962E+04	-.7273E+04
.2912E+02	.5152E+02	-.8711E+01	.2249E+04	.7975E+03	-.2570E+04	.2912E+02	.5152E+02	-.8711E+01	.2249E+04	.3794E+03	-.5043E+04
.7621E+01	.0454E+01	.2350E+01	-.2951E+02	.3539E+02	-.6763E+02	.7621E+01	.0454E+01	.2350E+01	-.2295E+02	.1462E+03	-.2808E+03
-.4110E+03	-.8647E+02	.6668E+02	.1672E+04	.1182E+05	-.1781E+04	-.4110E+03	-.8647E+02	.6668E+02	.1672E+04	.1473E+05	.2170E+04
-.1738E+01	.1676E+01	-.7228E+00	.8027E+02	-.1316E+02	-.2887E+03	-.1738E+01	.1676E+01	-.7228E+00	.8027E+02	.4785E+02	-.3691E+03
.1252E+02	.2425E+01	.2390E+00	-.6991E+01	.1904E+02	.3662E+03	.1252E+02	.2425E+01	.2390E+00	-.6991E+01	.3051E+02	.1848E+03
.4922E+02	.5326E+01	-.2179E+01	-.2831E+03	-.6568E+03	.2662E+04	.4922E+02	.5326E+01	-.2179E+01	-.2831E+03	.7614E+03	.2407E+04
-.5094E+02	-.1905E+02	.2095E+00	-.3037E+03	-.3134E+03	-.1442E+04	-.5094E+02	-.1905E+02	.2095E+00	-.3037E+03	.3034E+03	-.5280E+03



SQUARE ROOT SUM OF THE SQUARES											
.6801E+03	.2471E+03	.3871E+03	.9800E+04	.2318E+05	.1800E+05	.6801E+03	.2471E+03	.3871E+03	.9800E+04	.2281E+05	.1179E+05
CLOSELY SPACED CODE SUMMATION METHOD											
.7149E+03	.3569E+03	.4865E+03	.1277E+05	.2789E+05	.2434E+05	.7149E+03	.3569E+03	.4865E+03	.1277E+05	.2741E+05	.1629E+05

ELEMENT TYPE (3/D	P I P E	) / / /	ELEMENT NUMBER ( 9)
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PX(I)	YV(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	YV(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.7390E+01	.1619E+01	.4008E+01	-.7455E+03	.2763E+04	-.1701E+04	.7390E+01	.1619E+01	.4008E+01	-.7455E+03	.2763E+04	-.1701E+04
.3722E+01	.2079E+01	.1888E+01	.1356E+04	-.4822E+04	.3123E+04	.3722E+01	.2079E+01	.1888E+01	.1356E+04	-.4822E+04	.3123E+04
-.4514E+02	.6585E+02	.2168E+02	-.1012E+04	-.3212E+04	.3213E+04	-.4514E+02	.6585E+02	.2168E+02	-.1012E+04	-.3212E+04	.3213E+04
.3370E+02	.1893E+03	-.2263E+03	.4609E+04	.9613E+04	.3158E+04	.3370E+02	.1893E+03	-.2263E+03	.4609E+04	.9613E+04	.3158E+04
.2747E+02	.1574E+03	.2690E+03	.2526E+04	.7740E+04	-.2392E+04	.2747E+02	.1574E+03	.2690E+03	.2526E+04	.7740E+04	-.2392E+04
-.5149E+03	-.1144E+03	-.3187E+03	.7510E+04	-.9942E+04	.7273E+04	-.5149E+03	-.1144E+03	-.3187E+03	.7510E+04	-.9942E+04	.7273E+04
.3209E+02	.7179E+02	-.1767E+02	.2249E+04	.3794E+03	-.5043E+04	.3209E+02	.7179E+02	-.1767E+02	.2249E+04	.3794E+03	-.5043E+04
.7592E+01	.5817E+01	.2393E+01	-.2951E+02	.1482E+03	-.2208E+03	.7592E+01	.5817E+01	.2393E+01	-.2951E+02	.1482E+03	-.2208E+03
-.3827E+03	-.1379E+03	.1539E+03	.1672E+04	.1473E+05	.2170E+04	-.3827E+03	-.1379E+03	.1539E+03	.1672E+04	.1473E+05	.2170E+04
-.1138E+01	.3709E+01	-.2293E+01	.8027E+02	-.4785E+02	-.3691E+03	-.1138E+01	.3709E+01	-.2293E+01	.8027E+02	-.4785E+02	-.3691E+03
.6558E+01	.5049E+01	-.7906E+01	-.6991E+01	.3051E+02	.1898E+01	.6558E+01	.5049E+01	-.7906E+01	-.6991E+01	.3051E+02	.1898E+01
-.2633E+02	.9310E+01	-.8848E+01	-.2831E+03	-.7614E+03	.2407E+04	-.2633E+02	.9310E+01	-.8848E+01	-.2831E+03	-.7614E+03	.2407E+04
-.2349E+02	-.4522E+02	-.7525E+01	-.3037E+03	-.3034E+03	-.5280E+03	-.2349E+02	-.4522E+02	-.7525E+01	-.3037E+03	-.3034E+03	-.5280E+03
-.5287E+01	.3003E+02	.4349E+01	.2486E+03	.5538E+03	-.1547E+04	-.5287E+01	.3003E+02	.4349E+01	.2486E+03	.5538E+03	-.1547E+04
.1304E+02	-.3890E+02	-.4745F+02	-.5653E+03	.1639E+04	.8844E+03	.1304E+02	-.3890E+02	-.4745F+02	-.5653E+03	.1639E+04	.8844E+03
.1811E-01	-.1133E-01	-.1379E+00	-.1646E+01	.6988E+01	-.4692E+00	.1811E-01	-.1133E-01	-.1379E+00	-.1646E+01	.6988E+01	-.4692E+00
-.4473E+01	.1252E+02	-.6363E+00	-.6273E+02	.1535E+03	.1866E+03	-.4473E+01	.1252E+02	-.6363E+00	-.6273E+02	.1535E+03	.1866E+03
-.1843E+02	.3300E+02	-.2579E+01	-.1942E+03	.2042E+03	.1053E+04	-.1843E+02	.3300E+02	-.2579E+01	-.1942E+03	.2042E+03	.1053E+04
.1642E+02	-.3049E+02	.2118E+01	.1739E+03	-.1730E+03	-.1043E+04	.1642E+02	-.3049E+02	.2118E+01	.1739E+03	-.1730E+03	-.1043E+04
.7872E-01	-.6075E-01	.1036F+01	.2865E+00	.3525E+00	-.3923E+01	.7872E-01	-.6075E-01	.1036F+01	.2865E+00	.3525E+00	-.3923E+01
-.2284E+02	-.1505E+02	-.4206E+00	.7240E+02	-.4442E+03	-.7185E+03	-.2284E+02	-.1505E+02	-.4206E+00	.7240E+02	-.4442E+03	-.7185E+03
.1895E+01	.3395E+01	-.4214E+00	-.3073E+01	.7068E+02	.2595E+03	.1895E+01	.3395E+01	-.4214E+00	-.3073E+01	.7068E+02	.2595E+03
.4381E+01	.1149E+01	.2235E+01	-.8247E+02	-.9267E+02	-.7542E+02	.4381E+01	.1149E+01	.2235E+01	-.8247E+02	-.9267E+02	-.7542E+02
-.1064E+02	-.2190E+01	.6064F+01	-.3439E+02	-.5742E+03	-.1720E+03	-.1064E+02	-.2190E+01	.6064F+01	-.3439E+02	-.5742E+03	-.1720E+03
.1373E+00	.1042E+01</										

SQUARE ROOT SUM OF THE SQUARES  
 .6479E+03 ,.3315E+03 ,.5032E+03 ,.9800E+04 ,.2281E+05 ,.1179E+05 ,.6479E+03 ,.3315E+03 ,.5032E+03 ,.9800E+04 ,.2281E+05 ,.1179E+05  
 CLOSELY SPACED MORE SUMMATION METHOD





1.40E+02	1.231E+01	1.240E+02	1.566E+02	1.718E+03	1.013E+04	1.407E+02	1.23E+02	1.249E+02	1.536E+02	1.22E+03	1.226E+03
1.354E+01	8.384E+01	2.470E+02	2.513E+03	1.906E+04	7.364E+03	1.354E+01	8.384E+01	2.470E+02	2.513E+03	1.906E+04	7.364E+03
1.73E+02	1.494E+02	2.344E+01	1.75E+02	1.105E+03	1.362E+04	1.73E+02	1.494E+02	2.344E+01	1.75E+02	1.105E+03	1.362E+04
1.86E+01	1.160E+02	1.189E+02	1.090E+03	8.887E+03	1.068E+04	1.86E+01	1.160E+02	1.189E+02	1.090E+03	8.887E+03	1.068E+04
1.81E+01	1.681E+01	1.367E+01	8.837E+01	1.689E+03	1.413E+03	1.81E+01	1.681E+01	1.367E+01	8.837E+01	1.689E+03	1.413E+03
1.596E+01	1.622E+01	1.501E+01	1.191E+02	1.270E+03	1.5350E+03	1.596E+01	1.622E+01	1.501E+01	1.191E+02	1.270E+03	1.5350E+03

SQUARE ROOT SUM OF THE SQUARES

1.6479E+03	1.3315E+03	1.5032E+03	1.9800E+04	1.281E+05	1.179E+05	1.6479E+03	1.3315E+03	1.5032E+03	1.9800E+04	1.3994E+05	1.804E+05
1.6833E+03	1.4670E+03	1.6312E+03	1.1277E+05	1.274E+05	1.1629E+05	1.6833E+03	1.4670E+03	1.6312E+03	1.1277E+05	1.4111E+05	1.2942E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 10 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
1.7390E+01	1.3019E+02	1.5162E+02	1.7455E+03	1.2955E+04	1.1779E+04	1.7390E+01	1.3019E+02	1.5162E+02	1.7455E+03	1.2800E+04	1.1869E+04
1.3722E+01	1.1432E+03	1.1844E+03	1.1356E+04	1.4731E+04	1.3223E+04	1.3722E+01	1.1432E+03	1.1844E+03	1.1356E+04	1.4178E+04	1.2794E+04
1.4514E+02	1.2159E+02	1.4111E+02	1.1012E+04	1.2171E+04	1.5235E+02	1.4514E+02	1.2159E+02	1.4111E+02	1.1012E+04	1.2046E+04	1.1243E+02
1.370E+02	1.5586E+02	1.6587E+02	1.4609E+04	1.1249E+04	1.5929E+04	1.370E+02	1.5586E+02	1.6587E+02	1.4609E+04	1.1447E+04	1.5762E+04
1.2471E+02	1.1914E+03	1.5030E+03	1.2526E+04	1.2365E+05	1.9945E+04	1.2471E+02	1.1914E+03	1.5030E+03	1.2526E+04	1.1914E+05	1.9371E+04
1.5149E+03	1.1907E+03	1.1091E+03	1.7510E+04	1.2526E+05	1.1782E+04	1.5149E+03	1.1907E+03	1.1091E+03	1.7510E+04	1.2493E+05	1.1210E+04
1.3209E+02	1.2379E+03	1.8353E+02	1.2249E+04	1.4687E+03	1.489E+04	1.3209E+02	1.2379E+03	1.8353E+02	1.2249E+04	1.2181E+03	1.7775E+04
1.7592E+01	1.8841E+01	1.5002E+01	1.2951E+02	1.2631E+03	1.5600E+03	1.7592E+01	1.8841E+01	1.5002E+01	1.2951E+02	1.2781E+03	1.5335E+03
1.3827E+03	1.3149E+03	1.1301E+04	1.1672E+04	1.2212E+05	1.8791E+04	1.3827E+03	1.3149E+03	1.1301E+04	1.1672E+04	1.1822E+05	1.7846E+04
1.138E+01	1.1723E+02	1.8704E+01	1.8027E+02	1.1579E+03	1.5471E+03	1.138E+01	1.1723E+02	1.8704E+01	1.8027E+02	1.1318E+03	1.4954E+03
1.8558E+01	1.1720E+01	1.1769E+01	1.0991E+01	1.2672E+02	1.5252E+02	1.8558E+01	1.1720E+01	1.1769E+01	1.0991E+01	1.3203E+02	1.4736E+02
1.2653E+02	1.6162E+02	1.2677E+02	1.2831E+03	1.9942E+03	1.1960E+04	1.2653E+02	1.6162E+02	1.2677E+02	1.2831E+03	1.1775E+04	1.1485E+04
1.2349E+02	1.5245E+02	1.4617E+02	1.3037E+03	1.6646E+03	1.1643E+04	1.2349E+02	1.5245E+02	1.4617E+02	1.3037E+03	1.5261E+03	1.1485E+04
1.5287E+01	1.1024E+03	1.2651E+02	1.2486E+03	1.7471E+03	1.2989E+04	1.5287E+01	1.1024E+03	1.2651E+02	1.2486E+03	1.6675E+03	1.2682E+04
1.1304E+02	1.1108E+03	1.2698E+02	1.5653E+03	1.6390E+03	1.2751E+04	1.1304E+02	1.1108E+03	1.2698E+02	1.5653E+03	1.5581E+03	1.2419E+04
1.1211E+01	1.2181E+01	1.6659E+02	1.1646E+01	1.3683E+00	1.7471E+01	1.1211E+01	1.2181E+01	1.6659E+02	1.1646E+01	1.3484E+00	1.9284E+02
1.4473E+01	1.2192E+02	1.7447E+01	1.6273E+02	1.1229E+03	1.4141E+03	1.4473E+01	1.2192E+02	1.7447E+01	1.6273E+02	1.1006E+03	1.3484E+03
1.1843E+02	1.3505E+02	1.1490E+02	1.1942E+03	1.8545E+02	1.5310E+03	1.1843E+02	1.3505E+02	1.1490E+02	1.1942E+03	1.4074E+02	1.4258E+03
1.1642E+02	1.3051E+02	1.1233E+02	1.1739E+03	1.7130E+02	1.4206E+03	1.1642E+02	1.3051E+02	1.1233E+02	1.1739E+03	1.3431E+02	1.3291E+03
1.7872E+01	1.2137E+01	1.2923E+01	1.2865E+00	1.8496E+00	1.1007E+01	1.7872E+01	1.2137E+01	1.2923E+01	1.2865E+00	1.9373E+00	1.9430E+00
1.2284E+02	1.1348E+02	1.1476E+02	1.7240E+02	1.4834E+03	1.4015E+01	1.2284E+02	1.1348E+02	1.1476E+02	1.7240E+02	1.5277E+03	1.3641E+02
1.1895E+01	1.2361E+01	1.2996E+01	1.3073E+01	1.5045E+02	1.9657E+02	1.1895E+01	1.2361E+01	1.2996E+01	1.3073E+01	1.5944E+02	1.8968E+02
1.4381E+01	1.1645E+02	1.3946E+01	1.8247E+02	1.1659E+02	1.1306E+03	1.4381E+01	1.1645E+02	1.3946E+01	1.8247E+02	1.2756E+01	1.8050E+02
1.1064E+02	1.7451E+00	1.5459E+01	1.3439E+02	1.2831E+03	1.5684E+02	1.1064E+02	1.7451E+00	1.5459E+01	1.3439E+02	1.2995E+03	1.6908E+02
1.1373E+00	1.2557E+01	1.7623E+01	1.7367E+02	1.2333E+03	1.1549E+02	1.1373E+00	1.2557E+01	1.7623E+01	1.7367E+02	1.2418E+03	1.2318E+02
1.1407E+02	1.1272E+02	1.3790E+01	1.5366E+02	1.3722E+03	1.4226E+03	1.1407E+02	1.1272E+02	1.3790E+01	1.5366E+02	1.5608E+03	1.4008E+03
1.4354E+01	1.1039E+02	1.6306E+01	1.2313E+03	1.7207E+03	1.3340E+03	1.4354E+01	1.1039E+02	1.6306E+01	1.2313E+03	1.7018E+03	1.3651E+03
1.1373E+02	1.6456E+00	1.9531E+02	1.9581E+02	1.1266E+02	1.6449E+03	1.1373E+02	1.6456E+00	1.9531E+02	1.9581E+02	1.1209E+02	1.6488E+03
1.2886E+01	1.9421E+00	1.9606E+01	1.1090E+03	1.3180E+03	1.5113E+03	1.2886E+01	1.9421E+00	1.9606E+01	1.1090E+03	1.2842E+03	1.5085E+03
1.4381E+01	1.1341E+00	1.3191E+01	1.8837E+01	1.7444E+01	1.6063E+02	1.4381E+01	1.1341E+00	1.3191E+01	1.8837E+01	1.1702E+02	1.6023E+02
1.5965E+01	1.5986E+01	1.6984E+01	1.1914E+02	1.2741E+02	1.2344E+03	1.5965E+01	1.5986E+01	1.6984E+01	1.1914E+02	1.8459E+01	1.2164E+03

SQUARE ROOT SUM OF THE SQUARES

1.6479E+03	1.5356E+03	1.1419E+04	1.9800E+04	1.3994E+05	1.804E+05	1.6479E+03	1.5356E+03	1.1419E+04	1.9800E+04	1.3681E+05	1.1662E+05
1.6833E+03	1.6497E+03	1.1456E+04	1.1277E+05	1.4111E+05	1.2242E+05	1.6833E+03	1.6497E+03	1.1456E+04	1.1277E+05	1.3794E+05	1.2086E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 11 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
1.7251E+01	1.5665E+02	1.1780E+02	1.7455E+03	1.2449E+04	1.2311E+04	1.7251E+01	1.5665E+02	1.1780E+02	1.7449E+04	1.1771E+04	1.4125E+03
1.3217E+01	1.2082E+03	1.9661E+02	1.1356E+04	1.1787E+04	1.4698E+04	1.3217E+01	1.2082E+03	1.9661E+02	1.1356E+04	1.8516E+03	1.1885E+04
1.3952E+02	1.3420E+02	1.3075E+02	1.1012E+04	1.4466E+03	1.1998E+04	1.3952E+02	1.3420E+02	1.3075E+02	1.1012E+04	1.5265E+02	1.3879E+03
1.4578E+02	1.5652E+02	1.6324E+02	1.4609E+04	1.5291E+04	1.2701E+04	1.4578E+02	1.5652E+02	1.6324E+02	1.4609E+04	1.4989E+04	1.5103E+04
1.3402E+02	1.2230E+03	1.2811E+03	1.2526E+04	1.1342E+04	1.1656E+05	1.3402E+02	1.2230E+03	1.2811E+03	1.2526E+04	1.2333E+04	1.2650E+04
1.5630E+03	1.1289E+03	1.1608E+03	1.7510E+04	1.4406E+05	1.2457E+05	1.5630E+03	1.1289E+03	1.1608E+03	1.7510E+04	1.1055E+05	1.1384E+05
1.3823E+02	1.1251E+03	1.1948E+03	1.2249E+04	1.7529E+04	1.1954E+04	1.3823E+02	1.1251E+03	1.1948E+03	1.2249E+04	1.1139E+04	1.1574E+04
1.7561E+01	1.6495E+01	1.6668E+01	1.2951E+02	1.5622E+03	1.1515E+03	1.7561E+01	1.6495E+01	1.6668E+01	1.2951E+02	1.1786E+03	1.2585E+03
1.3612E+03	1.1227E+04	1.7852E+01	1.1672E+04	1.1951E+05	1.1123E+04	1.3612E+03	1.1227E+04	1.7852E+01	1.1672E+04	1.1090E+04	1.1476E+05
1.6924E+00	1.1031E+02	1.1244E+02	1.8027E+02	1.4533E+03	1.2394E+03	1.6924E+00	1.1031E+02	1.1244E+02	1.8027E+02	1.1843E+02	1.9700E+02
1.5615E+01	1.1658E+01	1.4756E+00	1.6991E+01	1.5333E+02	1.2060E+02	1.5615E+01	1.1658E+01	1.4756E+00	1.6991E+01	1.1763E+02	1.6249E+00
1.9233E+01	1.9272E+01	1.5614E+02	1.2831E+03	1.1935E+04	1.4930E+03	1.9233E+01	1.9272E+01	1.5614E+02	1.2831E+03	1.2199E+03	1.3197E+03
1.3214E+01	1.2810E+02	1.4434E+02	1.3037E+03	1.1566E+04	1.1800E+03	1.3214E+01	1.2810E+02	1.4434E+02	1.3037E+03	1.8895E+02	1.7567E+03
1.3678E+01	1.2749E+01	1.7663E+02	1.2486E+03	1.2763E+04	1.4988E+02	1.3678E+01	1.2749E+01	1.7663E+02	1.2486E+03	1.3087E+03	1.1090E+02
1.9608E+01	1.8138E+01	1.7035E+02	1.5653E+03	1.7482E+04	1.2086E+01	1.9608E+01	1.8138E+01	1.7035E+02	1.5653E+03	1.8456E+02	1.3877E+03
1.1925E+01	1.4111E+01	1.3807E+02	1.1646E+01	1.6899E+01	1.3416E+00	1.1925E+01	1.4111E+01	1.3807E+02	1.1646E+01	1.9941E+00	1.1220E+01



1.503E+03	1.289E+03	1.608E+03	7.0E+04	4.406E+04	2.457E+05	2.645E+03	4.4E+03	1.608E+03	1.055E+05	2.21E+04	1.384E+05
3.423E+02	1.251E+03	1.968E+03	2.249E+04	7.529E+04	1.954E+04	1.126E+03	6.42E+02	1.968E+03	1.139E+04	6.504E+03	1.574E+04
6.1E+01	6.495E+01	6.668E+01	2.295E+02	5.522E+03	1.515E+03	1.939E+01	7.532E+00	6.668E+01	3.447E+03	1.786E+03	2.565E+03
1.2E+03	1.277E+04	7.852E+01	1.672E+04	3.567E+04	1.951E+05	1.23E+04	6.119E+03	7.852E+01	3.601E+04	1.090E+04	1.476E+05
3.24E+00	1.031E+02	1.244E+02	9.027E+02	4.533E+03	2.394E+03	6.799E+01	7.778E+01	1.244E+02	9.986E+02	1.843E+02	9.766E+02
5.615E+01	1.658E+01	4.756E+00	6.991E+01	5.335E+02	2.060E+02	5.143E+01	2.797E+01	4.756E+00	3.638E+02	1.763E+02	6.249E+00
9.233E+01	9.272E+01	5.619E+02	2.631E+03	1.935E+04	4.930E+03	1.308E+02	2.752E-01	5.619E+02	4.272E+03	2.199E+03	3.197E+03
3.214E+01	2.810E+02	4.434E+02	3.3037E+03	1.566E+04	1.800E+03	1.760E+02	2.215E+02	4.434E+02	3.079E+03	8.895E+02	7.567E+03
3.678E+01	2.749E+01	7.663E+02	2.084E+03	2.763E+04	4.988E+02	4.545E+01	6.574E+00	7.663E+02	7.680E+03	3.087E+03	1.040E+02
9.068E+01	8.138E+01	7.035E+02	5.653E+03	2.482E+04	2.086E+01	1.040E+01	1.255E+02	7.035E+02	4.243E+03	8.356E+02	3.677E+03
1.925E-01	4.111E-01	3.807E-02	1.646E+01	6.899E-01	3.416E+00	1.546E-01	4.268E-01	3.807E-02	1.263E+01	9.941E+00	1.220E+01
2.264E+01	2.624E+01	1.049E+02	0.273E+02	3.620E+03	1.999E+02	3.456E+01	2.548E+00	1.049E+02	1.622E+03	1.220E+03	3.368E+02
1.215E+02	7.667E+01	1.058E+02	1.942E+03	4.241E+03	5.568E+02	1.401E+02	3.169E+01	1.058E+02	2.978E+03	1.741E+03	1.395E+03
1.024E+02	6.416E+01	8.141E+01	1.739E+03	3.284E+03	4.027E+02	1.177E+02	2.700E+01	8.141E+01	2.479E+03	1.446E+03	1.045E+03
6.549E-01	2.837E-01	3.118E-01	2.865E+00	1.129E-01	7.023E+00	6.637E-01	2.625E-01	3.118E-01	1.847E+00	8.586E-02	7.419E+00
3.050E+02	7.023E+01	2.608E+01	7.240E+02	8.272E+02	2.24E+03	2.653E+02	1.660E+02	2.608E+01	1.441E+03	9.028E+02	3.439E+03
3.823E+01	4.963E+00	2.918E+01	3.073E+01	7.447E+02	7.801E+02	3.054E+01	2.352E+01	2.918E+01	1.174E+02	3.380E+02	4.342E+02
1.670E+01	1.301E+01	3.239E+01	8.247E+02	7.797E+02	1.535E+02	2.101E+01	2.609E+00	3.239E+01	7.154E+02	1.055E+03	4.049E+01
1.190E+02	3.637E+01	6.853E+00	3.349E+02	2.456E+00	3.073E+03	5.882E+01	1.103E+02	6.853E+00	1.546E+02	4.595E+02	3.402E+02
4.876E+00	1.068E+02	1.720E+01	7.362E+02	3.159E+02	2.408E+03	7.896E+01	7.207E+01	1.720E+01	5.238E+02	1.968E+02	9.257E+02
1.062E+02	1.413E+02	8.780E+01	5.366E+02	3.682E+03	4.549E+03	2.479E+01	1.750E+02	8.780E+01	1.041E+03	1.259E+02	1.347E+03
8.767E+01	2.140E+02	1.402E+02	2.313E+03	5.131E+03	6.022E+03	8.930E+01	2.133E+02	1.402E+02	1.447E+02	6.025E+02	1.942E+03
1.029E+02	1.121E+01	1.700E+02	4.581E+02	6.277E+03	1.567E+03	6.481E+01	8.066E+01	1.700E+02	1.520E+03	2.294E+02	1.457E+02
4.352E+00	2.253E+01	1.564E+02	1.096E+03	5.604E+03	1.679E+03	5.528E+01	6.144E+01	1.564E+02	1.130E+03	2.438E+02	1.005E+03
5.142E-01	4.047E+01	1.275E+01	8.837E+01	6.251E+02	3.093E+01	6.498E+01	7.743E+00	1.275E+01	3.385E+02	2.608E+01	6.410E+02
4.600E+01	2.068E+01	6.402E+01	1.914E+02	2.128E+03	4.024E+02	4.715E+01	1.790E+01	6.402E+01	5.259E+02	3.968E+02	4.543E+02

SQUARE ROOT SLM CF THE SQUARES  
 6.257E+03 1.330E+04 4.190E+03 9.800E+04 1.812E+05 3.609E+05 1.202E+04 8.460E+03 4.190E+03 1.228E+05 6.680E+04 2.121E+05  
 CLOSELY SPACED PCOE SUMMATION METHOD  
 6.632E+03 1.368E+04 5.365E+03 1.277E+05 2.373E+05 3.882E+05 1.239E+04 9.111E+03 5.365E+03 1.349E+05 8.545E+04 2.310E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 11)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	KZ(J)
-5.665E+02	-7.251E+01	-1.780E+02	-3.250E+04	-5.545E+02	5.648E+03
2.082E+03	-3.217E+01	9.661E+02	2.561E+04	2.291E+04	-4.527E+04
3.424E+02	3.952E+02	-3.075E+02	-9.372E+03	-3.721E+03	-1.321E+04
-5.652E+02	-4.578E+02	6.324E+02	-2.446E+04	-1.764E+04	7.304E+04
-4.230E+03	-3.402E+02	2.811E+03	-7.733E+03	1.012E+05	4.007E+04
1.289E+03	5.030E+03	1.608E+03	1.164E+05	-2.749E+03	-3.862E+04
1.251E+03	-3.423E+02	1.968E+03	1.329E+04	6.009E+04	-2.133E+04
6.495E+01	-7.561E+01	6.668E+01	-2.822E+03	3.296E+03	-1.036E+02
-1.227E+04	3.612E+03	-7.852E+01	3.213E+04	-2.025E+04	1.943E+05
1.031E+02	6.924E+00	1.244E+02	1.063E+03	4.794E+03	-2.555E+03
1.658E+01	-5.615E+01	4.756E+00	-3.193E+02	2.839E+02	1.574E+03
9.272E+01	-9.233E+01	-5.619E+02	-5.941E+03	-2.246E+04	4.912E+03
2.810E+02	3.214E+01	4.434E+02	-4.255E+03	1.691E+04	-1.229E+04
-2.749E+01	3.678E+01	7.663E+02	6.853E+03	3.200E+04	-9.171E+02
-8.138E+01	-9.608E+01	-7.035E+02	-6.835E+03	-2.601E+04	8.006E+03
-4.111E-01	-1.925E-01	3.807E-02	-2.203E+00	1.475E+01	2.375E+01
-2.624E+01	2.264E+01	1.049E+02	1.098E+03	5.344E+03	-3.771E+01
-7.667E+01	1.215E+02	1.058E+02	5.194E+02	6.703E+03	-1.406E+03
6.416E+01	-1.024E+02	8.141E+01	-3.798E+02	5.403E+03	1.316E+03
2.837E-01	-6.549E-01	3.118E-01	2.743E+00	1.117E+01	9.682E+00
-7.023E+01	3.050E+02	2.608E+01	2.001E+03	4.496E+02	-5.340E+03
4.463E+00	-3.823E+01	-2.918E+01	-5.724E+02	-1.282E+03	7.107E+02
1.301E+01	-1.670E+01	3.239E+01	8.669E+02	2.282E+03	3.195E+02
3.637E+01	1.196E+02	6.853E+00	3.059E+02	6.522E+02	-3.943E+03
-1.068E+02	4.876E+00	1.720E+01	4.579E+02	3.767E+01	2.178E+03
-1.413E+02	1.062E+02	8.780E+01	-3.584E+02	-3.504E+03	6.589E+03
2.140E+02	8.767E+01	1.402E+02	-1.178E+03	-3.996E+03	-7.552E+03
-1.121E+01	-1.029E+02	-1.700E+02	-1.375E+03	-6.094E+03	3.567E+03
-8.253E+01	-4.352E+00	1.564E+02	1.435E+03	5.948E+03	2.231E+03
-4.047E+01	5.142E+01	1.275E+01	5.148E+01	6.620E+02	-4.618E+02
2.068E+01	4.600E+01	6.402E+01	-7.525E+02	-2.689E+03	7.368E+02

SQUARE ROOT SLM CF THE SQUARES  
 1.330E+04 6.257E+03 4.190E+03 1.318E+05 1.378E+05 2.221E+05  
 CLOSELY SPACED PCOE SUMMATION METHOD  
 1.368E+04 6.632E+03 5.365E+03 1.071E+05 1.573E+05 2.441E+05



.1121E+01 - .1027E+02 - .1700E+02 - .1375E+03 - .8694E+03 - .3587E+03  
 .8752E+01 - .4352E+03 - .1564E+02 - .335E+03 - .5948E+03 - .2231E+03  
 .447E+01 - .5172E+01 - .1275E+01 - .5148E+01 - .6620E+02 - .4618E+02  
 .68E+01 - .4600E+01 - .6402E+01 - .7525E+02 - .2687E+03 - .7368E+02

SQUARE ROOT SLM CF THE SQUARES

.1330E+04 .6257E+03 .4190E+03 .1319E+05 .1378E+05 .2221E+05  
 CLOSELY SPACED PCOE SUMMATION METHOD  
 .1368E+04 .6632E+03 .5365E+03 .1471E+05 .1573E+05 .2441E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 12)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.5679E+02	.6521E+01	.1800E+02	-.3250E+04	.5545E+02	-.5648E+03	-.5579E+02	.6521E+01	.1800E+02	-.3250E+04	.1306E+03	-.5921E+03
.2030E+03	.5337E+01	-.9176E+02	.2561E+04	-.2991E+04	.4527E+04	.2030E+03	.5337E+01	-.9176E+02	.2561E+04	-.3374E+04	.4505E+04
.3097E+02	-.3318E+02	.2493E+02	-.9372E+03	.3721E+03	.1321E+04	.3097E+02	-.3318E+02	.2493E+02	-.9372E+03	.4762E+03	.1460E+04
-.4372E+02	.4073E+02	-.6111E+02	-.2446E+04	.176E+04	-.730E+04	-.4372E+02	.4073E+02	-.6111E+02	-.2446E+04	.7474E+04	-.4142E+04
-.4025E+03	.3222E+02	-.2414E+03	-.7733E+03	-.1012E+05	-.4007E+04	-.4025E+03	.3222E+02	-.2414E+03	-.7733E+03	-.1113E+05	-.4142E+04
.9617E+02	-.4624E+03	-.1403E+03	.1164E+05	.2749E+03	.3862E+04	.9617E+02	-.4624E+03	-.1403E+03	.1164E+05	-.3112E+03	.5744E+04
.1184E+03	.3455E+02	-.1646E+03	.1329E+04	-.6609E+04	.2133E+04	.1184E+03	.3455E+02	-.1646E+03	.1329E+04	-.7296E+04	.1969E+04
.6545E+01	.6967E+01	-.5252E+01	-.2822E+03	-.3296E+03	.1036E+03	.6545E+01	.6967E+01	-.5252E+01	-.2822E+03	-.3515E+03	.7445E+02
-.1127E+04	-.3582E+03	.1363E+02	.3213E+04	.2025E+04	-.1943E+05	-.1127E+04	-.3582E+03	.1363E+02	.3213E+04	.2062E+04	-.1744E+02
.8155E+01	.3845E+01	-.8219E+01	.1043E+03	-.4794E+03	.2555E+03	.8155E+01	.3845E+01	-.8219E+01	.1043E+03	-.5137E+03	.2554E+03
.1568E+01	.3623E+01	-.3338E+00	-.3193E+02	-.2839E+02	-.1574E+03	.1568E+01	.3623E+01	-.3338E+00	-.3193E+02	-.2979E+02	-.1726E+03
.5302E+01	.1697E+01	.3442E+02	-.5941E+03	.2246E+04	-.4912E+03	.5302E+01	.1697E+01	.3442E+02	-.5941E+03	.2390E+04	.4983E+03
.2377E+02	.8056E+01	.2737E+02	-.4295E+03	.1691E+04	.1229E+04	.2377E+02	.8056E+01	.2737E+02	-.4295E+03	.1806E+04	.1146E+04
-.1851E+01	-.3518E+01	-.3859E+02	.6853E+03	-.3200E+04	.9171E+02	-.1851E+01	-.3538E+01	-.3859E+02	.6853E+03	-.3361E+04	.1065E+03
-.9534E+01	.4954E+01	.2827E+02	-.6835E+03	.2601E+04	-.8006E+03	-.9534E+01	.4994E+01	.2827E+02	-.6835E+03	.2719E+04	-.8215E+03
-.3063E+01	.6608E+02	.7140E+02	-.2403E+00	.1475E+01	-.2375E+01	-.3063E+01	.6608E+02	.7140E+02	-.2403E+00	-.1445E+01	-.2402E+01
-.1099E+01	-.1475E+01	-.8401E+00	.1098E+03	-.5346E+03	.3771E+01	-.1099E+01	-.1475E+01	-.8401E+00	.1098E+03	-.5381E+03	.9933E+01
-.7229E+01	-.8300E+01	.4271E+01	.5194E+02	-.6703E+03	.1460E+03	-.7229E+01	-.8300E+01	.4271E+01	.5194E+02	-.6524E+03	.1800E+03
.6166E+01	.6621E+01	-.4438E+01	-.3798E+02	.5403E+03	-.1316E+03	.6166E+01	.6621E+01	-.4438E+01	-.3798E+02	.5217E+03	-.1592E+03
.2910E+01	.4739E+01	-.1539E+01	.2743E+00	-.1117E+01	-.9682E+00	.2910E+01	.4739E+01	-.1539E+01	.2743E+00	-.1181E+01	-.1166E+01
-.0005E+01	-.2559E+02	-.5544E+01	.2001E+03	.4494E+02	.5340E+03	-.0005E+01	-.2559E+02	-.5544E+01	.2001E+03	-.0811E+02	.6409E+03
.3723E+00	.3510E+01	.7943E+00	-.5724E+02	.1282E+03	-.7107E+02	.3723E+00	.3510E+01	.7943E+00	-.5724E+02	.1316E+02	.8633E+02
.1800E+01	.3237E+00	.4870E+01	.6669E+02	-.2227E+03	-.3195E+02	.1800E+01	.3237E+00	.4870E+01	.6669E+02	-.2079E+02	-.3330E+02
.4161E+01	-.7185E+01	-.1574E+00	.3059E+02	-.6522E+02	.3943E+03	.4161E+01	-.7185E+01	-.1574E+00	.3059E+02	-.6588E+02	.4244E+03
-.1569E+02	-.2900E+01	.6719E+02	.4579E+02	-.3767E+01	-.2178E+03	-.1569E+02	-.2900E+01	.6719E+02	.4579E+02	-.5738E+01	-.2057E+03
-.1262E+02	.1413E+01	.8183E+01	-.3586E+02	.3504E+03	-.6589E+03	-.1262E+02	.1413E+01	.8183E+01	-.3586E+02	.3846E+03	-.6648E+03
.1372E+02	.2942E+00	.9829E+01	-.1178E+03	.3996E+03	.7552E+03	.1372E+02	.2942E+00	.9829E+01	-.1178E+03	.4406E+03	.7540E+03
.2165E+01	.4482E+01	.4734E+01	-.1375E+03	.6694E+03	-.3567E+03	.2165E+01	.4482E+01	.4734E+01	-.1375E+03	.6849E+03	-.3754E+03
-.0563E+00	-.2390E+01	-.3773E+01	.1435E+03	-.5948E+03	-.2231E+03	-.0563E+00	-.2390E+01	-.3773E+01	.1435E+03	-.6106E+03	-.2131E+03
-.4084E+01	-.4087E+01	.3113E+00	.5148E+01	.6626E+02	.4618E+02	-.4084E+01	-.4087E+01	.3113E+00	.5148E+01	.6750E+02	.6325E+02
-.6890E+00	.3090E+01	-.1866E+01	-.7525E+02	.2089E+03	-.7368E+02	-.6890E+00	.3090E+01	-.1866E+01	-.7525E+02	.2612E+03	-.8658E+02

SQUARE ROOT SLM CF THE SQUARES

.1226E+04 .5901E+03 .3507E+03 .1319E+05 .1378E+05 .2221E+05 .1226E+04 .5901E+03 .3507E+03 .1319E+05 .1503E+05 .2143E+05  
 CLOSELY SPACED PCOE SUMMATION METHOD  
 .1258E+04 .6256E+03 .4537E+03 .1471E+05 .1573E+05 .2441E+05 .1258E+04 .6256E+03 .4537E+03 .1471E+05 .1686E+05 .2394E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 13)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.5569E+02	.5246E+01	.1389E+02	-.3193E+04	.1306E+03	-.8484E+03	-.5569E+02	.5246E+01	.1389E+02	-.3193E+04	.9448E+03	-.1150E+04
.2007E+03	.8915E+01	-.6786E+02	.2195E+04	-.3376E+04	.4694E+04	.2007E+03	.8915E+01	-.6786E+02	.2195E+04	-.7352E+04	.4171E+04
.2435E+02	-.2252E+02	.1737E+02	-.1050E+04	.4762E+03	.1381E+04	.2435E+02	-.2252E+02	.1737E+02	-.1050E+04	.1494E+04	.2701E+04
-.1834E+02	.3149E+02	-.5879E+02	-.1844E+04	.1508E+04	-.7645E+04	-.1834E+02	.3149E+02	-.5879E+02	-.1844E+04	-.1938E+04	-.9491E+04
-.3542E+03	.2839E+02	-.2026E+03	-.4419E+03	-.1113E+05	-.4190E+04	-.3542E+03	.2839E+02	-.2026E+03	-.4419E+03	-.2301E+05	-.5855E+04
.5142E+02	-.3905E+03	-.1024E+03	.1114E+05	-.3112E+03	.6700E+04	.5142E+02	-.3905E+03	-.1020E+03	.1114E+05	-.6288E+04	.2959E+05
.1161E+03	.3441E+02	-.1021E+03	.1167E+04	-.7296E+04	.2688E+04	.1161E+03	.3441E+02	-.1021E+03	.1167E+04	-.1328E+05	.7052E+02
.6837E+01	.5870E+01	-.2407E+01	-.2872E+03	-.3515E+03	.5181E+02	.6837E+01	.5870E+01	-.2407E+01	-.2872E+03	-.4926E+03	-.2923E+03
-.9643E+03	-.3491E+03	-.5232E+02	.4628E+04	.2082E+04	-.1742E+05	-.9643E+03	-.3491E+03	-.5232E+02	.4628E+04	-.5686E+03	.2639E+02
.5279E+01	.1190E+01	.9372E+00	.8571E+02	.5137E+03	.2630E+03	.5279E+01	.1190E+01	.9372E+00	.8571E+02	-.5686E+03	.1932E+03
.1426E+01	.4078E+00	.9461E+02	-.1812E+02	-.2979E+02	-.1745E+03	.1426E+01	.4078E+00	.9461E+02	-.1812E+02	-.2923E+02	-.1985E+03
-.1076E+01	-.9810E+01	-.8047E+00	-.5524E+03	.2396E+04	-.5440E+03	-.1076E+01	-.9810E+01	-.8047E+00	-.5524E+03	.2342E+04	.3111E+02
.1668E+02	.2546E+02	.1222E+01	-.5232E+03	.1806E+04	.1158E+04	.1668E+02	.2546E+02	.1222E+01	-.5232E+03	.1877E+04	-.3349E+03
-.2159E+01	-.3472E+01	.2212E+02	.6746E+03	-.3361E+04	.1606E+03	-.2159E+01	-.3472E+01	.2212E+02	.6746E+03	-.2004E+04	.3641E+03
-.8729E+01	-.2222E+01	-.3893E+02	-.0181E+03	.2719E+04	-.8732E+03	-.8729E+01	-.2222E+01	-.3893E+02	-.0181E+03	.3469E+03	-.7429E+03
-.3612E+01	-.1389E+01	.9792E+02	-.4873E+01	.1445E+01	-.2414E+01	-.3612E+01	-.1389E+01	.9792E+02	-.4873E+01	-.8710E+00	-.1600E+01
-.2101E+01	-.2531E+00	.1398E+02	.1087E+03	-.5381E+03	.1802E+02	-.2101E+01	-.2531E+00	.1398E+02	.1087E+03	.2815E+03	.3346E+02
-.6633E+01	-.2038E+01	.2634E+02	.3742E+02	-.6524E+03	.1842E+03	-.6633E+01	-.2038E+01	.2634E+02	.3742E+02	.8914E+03	.3037E+03
.710E+01	.7847E+00	-.2369E+02	-.2521E+02	.5217E+03	-.1618E+03	.710E+01	.7847E+00	-.2369E+02	-.2521E+02	-.8293E+03	-.2078E+03



-9647E+03	-3491E+01	-5232E+02	-478E+04	-2082E+03	-1762E+05	9643E+03	-309E+03	-5232E+02	-4628E+04	-944E+03	-2839E+03
5274E+01	1190E+01	-9372E+00	8571E+02	-5137E+03	-2630E+03	5279E+01	1190E+01	-9372E+00	8571E+02	-5086E+03	1932E+03
26E+01	3078E+00	9461E-02	-1812E+02	-2979E+02	-1745E+03	426E+01	407E+00	9461E-02	-1812E+02	-2923E+02	-1985E+03
76E+01	-9810E+01	-8047E+00	-5526E+03	-2390E+04	-5440E+03	076E+01	-9810E+01	-8047E+00	-5526E+03	2342E+04	3111E+02
668E+02	2546E+02	1222E+01	-5232E+03	1806E+04	1158E+04	1668E+02	2546E+02	1222E+01	-5232E+03	1877E+04	-3349E+03
-2159E+01	-3472E+01	2212E+02	6746E+03	-3361E+04	1606E+03	-2159E+01	-3472E+01	2212E+02	6746E+03	-2064E+04	3641E+03
-8729E+01	-2222E+01	-3893E+02	-6161E+03	2710E+04	-8732E+03	-8729E+01	-2222E+01	-3893E+02	-6161E+03	4369E+03	-7429E+03
-3612E-01	-1389E-01	9792E-02	-4873E-01	-1445E+01	-2414E+01	-3812E-01	-1389E-01	9792E-02	-4873E-01	-8710E+00	-1600E+01
-2101E+01	-2531E+00	1398E+02	1087E+03	-5381E+03	1862E+02	-2101E+01	-2531E+00	1398E+02	1087E+03	2815E+03	3346E+02
-8633E+01	-2038E+01	2634E+02	3742E+02	-6524E+03	1842E+03	-8633E+01	-2038E+01	2634E+02	3742E+02	8914E+03	3037E+03
7610E+01	7847E+00	-2305E+02	-2521E+02	5217E+03	-1618E+03	7610E+01	7847E+00	-2305E+02	-2521E+02	-8293E+03	-2078E+03
2939E-01	1659E-01	1209E-01	3661E+00	-1181E+01	-1141E+01	2939E-01	1659E-01	1209E-01	3661E+00	-4726E+00	-2113E+01
-5928E+01	-1631E+02	-1005E+02	1485E+03	-6811E+02	6547E+03	-5928E+01	-1631E+02	-1005E+02	1485E+03	-6570E+03	1611E+04
3713E+00	2798E+01	-2507E+01	-5020E+02	1316E+03	-9060E+02	3713E+00	2798E+01	-2507E+01	-5020E+02	-1542E+02	-2546E+03
1269E+01	-1775E+01	1688E+02	6912E+02	-2079E+03	-2740E+02	1269E+01	-1775E+01	1688E+02	6912E+02	7817E+03	7616E+02
4938E+01	8115E+00	1045F+01	-3211E+01	-6588E+02	9254E+03	4938E+01	8115E+00	1045F+01	-3211E+01	-4640E+01	3779E+03
-2393E+02	-6469E+01	9413E+00	6199E+02	-3736E+01	-2014E+03	-2393E+02	-6469E+01	9413E+00	6199E+02	5144E+02	1778E+03
-1059E+02	-1288E+02	5126E+01	1706E+02	3046E+03	-6655E+03	-1059E+02	-1288E+02	5126E+01	1706E+02	6851E+03	8951E+02
1050E+01	1461E+02	2530E+01	-1713E+03	4406E+03	7422E+03	1050E+01	1461E+02	2530E+01	-1713E+03	5849E+03	-1140E+03
8623E+01	-4600E+01	-1394E+02	-1073E+03	6891E+03	-3851E+03	8623E+01	-4600E+01	-1394E+02	-1073E+03	-1279E+03	-1154E+03
1100E+02	-6607E+01	1532E+02	1599E+03	-6106E+03	-2010E+03	1100E+02	-6607E+01	1532E+02	1599E+03	2875E+03	1960E+03
-5073E+01	-2040E+01	-1558E+01	1073E+00	6750E+02	8346E+02	-5073E+01	-2040E+01	-1558E+01	1073E+00	-2386E+02	1650E+03
-9043E+01	5962E+00	-1420E+02	-6813E+02	2612E+03	-9229E+02	-9043E+01	5962E+00	-1420E+02	-6813E+02	-5710E+03	-1272E+03

SQUARE ROOT SUM OF THE SQUARES

1057E+04	5287E+03	2787E+03	1297E+05	1503E+05	2156E+05	1057E+04	5287E+03	2787E+03	1297E+05	2872E+05	3222E+05
1077E+04	5617E+03	3574E+03	1428E+05	1686E+05	2417E+05	1077E+04	5617E+03	3574E+03	1428E+05	3337E+05	3476E+05

ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 14)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-5669E+02	5246E+01	8976E+01	-3080E+04	9448E+03	-1430E+04	-5669E+02	5246E+01	8976E+01	-3080E+04	1471E+04	-1738E+04
2658E+03	8915E+01	-5009E+02	1822E+04	-7352E+04	4347E+04	2058E+03	8915E+01	-5009E+02	1822E+04	-1029E+05	3824E+04
2274E+02	-2252E+02	1943E+02	-1282E+04	1494E+04	2599E+04	2274E+02	-2252E+02	1943E+02	-1282E+04	2633E+04	3919E+04
-1314E+02	3149E+02	-6017E+02	-1009E+04	1938E+04	-9616E+04	-1314E+02	3149E+02	-6017E+02	-1009E+04	-5465E+04	-1146E+05
-3352E+03	2839E+02	-2328E+03	7078E+02	-2301E+05	-5871E+04	-3352E+03	2839E+02	-2328E+03	7078E+02	-3665E+05	-7535E+04
6012E+02	-3905E+03	-9708E+02	8517E+04	-6288E+04	3045E+05	6012E+02	-3905E+03	-9708E+02	8519E+04	-1198E+05	5334E+05
1246E+03	3441E+02	-9158E+02	1157E+04	1328E+05	1721E+03	1246E+03	3441E+02	-9158E+02	1157E+04	-1865E+05	-1845E+04
7021E+01	5870E+01	-1801E+01	-2606E+03	-4926E+03	-3162E+03	7021E+01	5870E+01	-1801E+01	-2696E+03	-5982E+03	-6603E+03
-9561E+03	-3491E+03	1363E+03	4362E+04	-9848E+03	3232E+04	-9561E+03	-3491E+03	1363E+03	4362E+04	-8974E+04	2369E+05
5341E+01	1190E+01	-4729E+00	6852E+02	-5686E+03	7000E+03	5341E+01	1190E+01	-4729E+00	6852E+02	-5964E+03	1302E+03
1420E+01	4078E+00	1339E+00	-7329E+00	-2923E+02	-1993E+03	1420E+01	4078E+00	1339E+00	-7329E+00	-2138E+02	-2252E+03
-1001E+01	-9810E+01	-8955E+00	-5532E+03	2302E+04	-1724E+02	-1001E+01	-9810E+01	-8955E+00	-5532E+03	2290E+04	5578E+03
1651E+02	2546E+02	2674E+01	-4919E+03	1877E+04	-3793E+03	1651E+02	2546E+02	2674E+01	-4919E+03	2034E+04	-1812E+04
-4080E+01	-3472E+01	2184E+02	6403E+03	-2064E+04	4216E+03	-4080E+01	-3472E+01	2184E+02	6403E+03	-7839E+03	6252E+03
-5986E+01	-2222E+01	-3954E+02	-5489E+03	4369E+03	-7938E+03	-5298E+01	-2222E+01	-3954E+02	-5489E+03	-1881E+04	-6636E+03
-3882E-01	-1389E-01	6428E-02	9108E-01	8710E+00	-1598E+01	-3882E-01	-1389E-01	6428E-02	9108E-01	-4942E+00	-7859E+00
-3314E+01	-2531E+00	1374E+02	1053E+03	2615E+03	4282E+02	-3314E+01	-2531E+00	1374E+02	1053E+03	10687E+04	5765E+02
-1090E+02	-2038E+01	2548E+02	1077E+02	8914E+03	3058E+03	-1090E+02	-2038E+01	2548E+02	1077E+02	2385E+04	4253E+03
9592E+01	7847E+00	-2229E+02	-6941E+01	-8293E+03	-2092E+03	9592E+01	7847E+00	-2229E+02	-6941E+01	-2136E+04	-2552E+03
2822E-01	1659E-01	1461E-01	-4726E+00	-2073E+01	2822E-01	1659E-01	1461E-01	-4726E+00	-2073E+01	5836E+00	-3040E+01
-5029E+01	-1631E+02	-1052E+02	7362E+01	-6570E+03	1816E+04	-5029E+01	-1631E+02	-1052E+02	7362E+01	-1274E+04	-2574E+04
5887E+00	2798E+01	-2465E+01	-2779E+02	1542E+02	-2581E+03	5887E+00	2798E+01	-2465E+01	-2779E+02	-1594E+03	-4221E+03
-2095E+00	-1775E+01	1693E+02	6221E+02	-7817E+03	8190E+02	-2095E+00	-1775E+01	1693E+02	6221E+02	1774E+04	1860E+03
4828E+01	8115E+00	1472E+01	-3618E+02	8163E+02	3286E+03	4828E+01	8115E+00	1472E+01	-3618E+02	8163E+02	3286E+03
-2392E+02	-6469E+01	-1151E+01	4623E+02	5144E+02	-1825E+03	-2392E+02	-6469E+01	-1151E+01	4623E+02	1602E+02	5618E+03
-1100E+02	-1288E+02	4182E+01	9181E+01	6851E+03	9066E+02	-1100E+02	-1288E+02	4182E+01	9181E+01	9303E+03	8457E+03
8255E+00	1461E+02	2612E+01	-1607E+03	7421E+03	-9852E+03	8255E+00	1461E+02	2612E+01	-1607E+03	7421E+03	-9852E+03
9806E+01	-4600E+01	-1313E+02	-9677E+02	8978E+03	1453E+03	9806E+01	-4600E+01	-1313E+02	-9677E+02	1238E+04	1616E+03
9626E+01	-6807E+01	1622E+02	1420E+03	9626E+01	-4917E+01	9626E+01	-6807E+01	1622E+02	1420E+03	9626E+01	-4917E+01
-4917E+01	-2040E+01	-1995E+01	-1587E+02	-1406E+03	3019E+03	-4917E+01	-2040E+01	-1995E+01	-1587E+02	-1406E+03	3019E+03
-2789E+01	5962E+00	-1449E+02	-5677E+02	-5710E+03	-1327E+03	-2789E+01	5962E+00	-1449E+02	-5677E+02	-1421E+04	-1677E+03

SQUARE ROOT SUM OF THE SQUARES

1046E+04	5287E+03	3188E+03	1048E+05	2872E+05	3312E+05	1046E+04	5287E+03	3188E+03	1048E+05	4579E+05	6059E+05
1065E+04	5617E+03	3914E+03	1165E+05	3337E+05	3569E+05	1065E+04	5617E+03	3914E+03	1165E+05	5511E+05	6441E+05

ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 15)





ROOT SLM CF THE SQUARES

CLOSELY SPACED MODE SUMMATION METHOD

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 15)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-5446E+02	-7163E+00	-2913E+01	-2917E+04	-1471E+04	-1999E+04	-5446E+02	-7163E+00	-2913E+01	-2917E+04	-1442E+04	-1957E+04
-1878E+03	-1994E+02	-9352E+01	-1482E+04	-1079E+05	-3969E+04	-1878E+03	-1994E+02	-9352E+01	-1482E+04	-1084E+05	-2749E+04
-1613E+02	-9723E+01	-2760E+01	-1618E+04	-2633E+04	-3792E+04	-1613E+02	-9723E+01	-2760E+01	-1618E+04	-2471E+04	-3223E+04
-2562E+02	-2545E+02	-1775E+02	-6594E+01	-5465E+04	-1151E+05	-2562E+02	-2545E+02	-1775E+02	-6594E+01	-6506E+04	-1001E+05
-3028E+03	-1348E+02	-2379E+02	-7269E+03	-3665E+05	-7501E+04	-3028E+03	-1348E+02	-2379E+02	-7269E+03	-3526E+05	-6710E+04
-5625E+02	-1393E+02	-8833E+01	-3840E+04	-1198E+05	-5388E+05	-5625E+02	-1393E+02	-8833E+01	-3840E+04	-1146E+05	-5307E+05
-8074E+02	-7160E+01	-4184E+02	-1313E+04	-1865E+05	-1737E+04	-8074E+02	-7160E+01	-4184E+02	-1313E+04	-1620E+05	-2157E+04
-6215E+01	-1844E+01	-2323E+01	-2021E+03	-5982E+03	-6805E+03	-6215E+01	-1844E+01	-2323E+01	-2021E+03	-4620E+03	-5724E+03
-6478E+03	-9189E+02	-3873E+02	-2282E+04	-8974E+04	-2398E+05	-6478E+03	-9189E+02	-3873E+02	-2282E+04	-1124E+05	-2937E+05
-3674E+01	-1522E+01	-8471E+01	-5692E+02	-5964E+03	-1357E+03	-3674E+01	-1522E+01	-8471E+01	-5692E+02	-9979E+02	-4045E+02
-1025E+01	-3648E+01	-3747E+00	-1871E+02	-2138E+02	-2224E+03	-1025E+01	-3648E+01	-3747E+00	-1871E+02	-5790E+00	-8540E+01
-4314E+00	-1499E+01	-3452E+02	-5997E+03	-2240E+04	-5075E+03	-4314E+00	-1499E+01	-3452E+02	-5997E+03	-3148E+02	-5954E+03
-1378E+02	-7543E+01	-3008E+02	-3270E+03	-2324E+04	-1908E+04	-1378E+02	-7543E+01	-3008E+02	-3270E+03	-2704E+03	-2350E+04
-2249E+02	-1976E+01	-5437E+02	-5830E+03	-7839E+03	-6786E+03	-2249E+02	-1976E+01	-5437E+02	-5830E+03	-2403E+04	-7944E+03
-9811E+01	-5222E+01	-3838E+02	-4890E+03	-1881E+04	-7089E+03	-9811E+01	-5222E+01	-3838E+02	-4890E+03	-4131E+04	-4027E+03
-3630E+01	-2396E+01	-1190E+01	-1590E+00	-4742E+00	-7730E+00	-3630E+01	-2396E+01	-1190E+01	-1590E+00	-2035E+00	-6315E+00
-4368E+01	-4782E+00	-1734E+01	-9991E+02	-1087E+04	-6661E+02	-4368E+01	-4782E+00	-1734E+01	-9991E+02	-1189E+04	-3856E+02
-1240E+02	-6067E+01	-5570E+01	-2631E+02	-2305E+04	-4246E+03	-1240E+02	-6067E+01	-5570E+01	-2631E+02	-2059E+04	-6845E+02
-1096E+02	-4876E+01	-6075E+01	-1527E+02	-2136E+04	-2548E+03	-1096E+02	-4876E+01	-6075E+01	-1527E+02	-1780E+04	-3104E+02
-2203E+01	-4956E+01	-1371E+01	-8124E+00	-3836E+00	-2987E+01	-2203E+01	-4956E+01	-1371E+01	-8124E+00	-1187E+01	-8156E+01
-5795E+01	-3218E+02	-1127E+02	-2169E+03	-1274E+04	-2565E+04	-5795E+01	-3218E+02	-1127E+02	-2169E+03	-6134E+03	-7886E+03
-8957E+00	-4030E+01	-2991E+00	-9083E+01	-1599E+03	-4229E+03	-8957E+00	-4030E+01	-2991E+00	-9083E+01	-1775E+03	-1515E+03
-2163E+01	-8162E+00	-1740E+02	-4578E+02	-1774E+04	-1907E+03	-2163E+01	-8162E+00	-1740E+02	-4578E+02	-7538E+03	-1428E+03
-6060E+01	-9454E+01	-4909E+00	-6466E+02	-8163E+02	-3242E+03	-6060E+01	-9454E+01	-4909E+00	-6466E+02	-5285E+02	-2300E+03
-3453E+02	-5947E+01	-1322E+01	-2875E+01	-1602E+02	-5636E+03	-3453E+02	-5947E+01	-1322E+01	-2875E+01	-6147E+02	-2150E+03
-1479E+01	-6600E+01	-1744E+02	-6451E+02	-9303E+03	-8433E+03	-1479E+01	-6600E+01	-1744E+02	-6451E+02	-9221E+02	-4504E+03
-1874E+02	-6067E+01	-1555E+02	-8025E+02	-7421E+03	-9959E+03	-1874E+02	-6067E+01	-1555E+02	-8025E+02	-1695E+03	-6403E+03
-2216E+02	-6050E+00	-6364E+01	-1091E+03	-6978E+03	-1363E+03	-2216E+02	-6050E+00	-6364E+01	-1091E+03	-5247E+03	-8915E+02
-3158E+02	-6133E+01	-1435E+02	-8835E+02	-1238E+04	-6203E+03	-3158E+02	-6133E+01	-1435E+02	-8835E+02	-3973E+03	-2608E+03
-5667E+01	-6722E+01	-1854E+01	-4211E+02	-1408E+03	-2994E+03	-5667E+01	-6722E+01	-1854E+01	-4211E+02	-3213E+02	-9466E+02
-1296E+02	-3098E+01	-2443E+02	-4195E+02	-1421E+04	-1720E+03	-1296E+02	-3098E+01	-2443E+02	-4195E+02	-1132E+02	-9637E+01

SQUARE ROOT SLM CF THE SQUARES

CLOSELY SPACED MODE SUMMATION METHOD

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 16)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-5451E+02	-7163E+00	-1768E+01	-2738E+04	-1642E+04	-2200E+04	-5451E+02	-7163E+00	-1768E+01	-2738E+04	-1538E+04	-2158E+04
-1879E+03	-1994E+02	-6785E+01	-1237E+04	-1084E+05	-2916E+04	-1879E+03	-1994E+02	-6785E+01	-1237E+04	-1044E+05	-1748E+04
-1631E+02	-9723E+01	-1367E+01	-1884E+04	-2471E+05	-3072E+04	-1631E+02	-9723E+01	-1367E+01	-1884E+04	-2391E+04	-2502E+04
-2705E+02	-2545E+02	-1549E+02	-8522E+03	-6506E+04	-9978E+04	-2705E+02	-2545E+02	-1549E+02	-8522E+03	-7413E+04	-8487E+04
-3037E+03	-1348E+02	-2257E+01	-1300E+04	-3526E+05	-6623E+04	-3037E+03	-1348E+02	-2257E+01	-1300E+04	-3539E+05	-5833E+04
-5680E+02	-1393E+02	-3977E+01	-7247E+03	-1146E+05	-5320E+05	-5680E+02	-1393E+02	-3977E+01	-7247E+03	-1123E+05	-5238E+05
-7686E+02	-7160E+01	-4861E+02	-1493E+04	-1620E+05	-2037E+04	-7686E+02	-7160E+01	-4861E+02	-1493E+04	-1335E+05	-2450E+04
-5993E+01	-1844E+01	-2848E+01	-1522E+03	-4620E+03	-5877E+03	-5993E+01	-1844E+01	-2848E+01	-1522E+03	-2952E+03	-4797E+03
-6421E+03	-9189E+02	-9414E+02	-2451E+03	-1124E+05	-2946E+05	-6421E+03	-9189E+02	-9414E+02	-2451E+03	-1676E+05	-3484E+05
-4327E+01	-1522E+01	-8125E+01	-5273E+02	-9979E+02	-5116E+02	-4327E+01	-1522E+01	-8125E+01	-5273E+02	-3761E+03	-3799E+02
-9588E+00	-3648E+01	-4612E+00	-1937E+02	-5793E+00	-6904E+01	-9588E+00	-3648E+01	-4612E+00	-1937E+02	-2754E+02	-2068E+03
-3733E+01	-1499E+01	-3834E+02	-6486E+03	-3198E+02	-5417E+03	-3733E+01	-1499E+01	-3834E+02	-6486E+03	-2213E+04	-6245E+03
-1631E+02	-7543E+01	-2879E+02	-1243E+03	-2704E+03	-2369E+04	-1631E+02	-7543E+01	-2879E+02	-1243E+03	-1416E+04	-2811E+04
-2707E+02	-1976E+01	-5224E+02	-5131E+03	-2403E+04	-8415E+03	-2707E+02	-1976E+01	-5224E+02	-5131E+03	-5463E+04	-9572E+03
-1307E+02	-5222E+01	-3740E+02	-4526E+03	-4131E+04	-4432E+03	-1307E+02	-5222E+01	-3740E+02	-4526E+03	-3211E+04	-1373E+03
-3725E+01	-2396E+01	-8739E+02	-1043E+00	-2035E+00	-6428E+00	-3725E+01	-2396E+01	-8739E+02	-1043E+00	-7154E+00	-2046E+01
-4501E+01	-4782E+00	-1353E+01	-9623E+02	-1169E+04	-4700E+02	-4501E+01	-4782E+00	-1353E+01	-9623E+02	-1288E+04	-1899E+02
-1187E+02	-6067E+01	-6613E+01	-3213E+02	-2059E+04	-6644E+02	-1187E+02	-6067E+01	-6613E+01	-3213E+02	-1671E+04	-2869E+03
-1040E+02	-4876E+01	-6992E+01	-1255E+02	-1789E+04	-3224E+02	-1040E+02	-4876E+01	-6992E+01	-1255E+02	-1371E+04	-3178E+03
-2078E+01	-4956E+01	-1555E+01	-8164E+00	-1187E+01	-1161E+01	-2078E+01	-4956E+01	-1555E+01	-8164E+00	-2098E+01	-2891E+01
-6740E+01	-3218E+02	-1073E+02	-2743E+03	-6134E+03	-6577E+03	-6740E+01	-3218E+02	-1073E+02	-2743E+03	-1510E+02	-1227E+01
-9180E+00	-4630E+01	-2212E+00	-2204E+02	-1775E+03	-1502E+03	-9180E+00	-4630E+01	-2212E+00	-2204E+02	-1904E+03	-1210E+03



SQUARE ROOT SLM OF THE SQUARES												
.7470E+03	.1074E+03	.1410E+03	.4345E+04	.4433E+05	.6227E+05	.7470E+03	.1074E+03	.1410E+03	.4345E+04	.4580E+05	.6400E+05	
CLOSELY SPACED MODE SLM ATION METHOD												
.7723E+03	.1188E+03	.1575E+03	.5221E+04	.5353E+05	.6579E+05	.7723E+03	.1188E+03	.1575E+03	.5221E+04	.5471E+05	.6735E+05	

ELEMENT TYPE (3/D P I P E )	///	ELEMENT NUMBER ( 1 )
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

PX(I)	VY(I)	VZ(I)	IX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	IX(J)	MY(J)	MZ(J)
-.5097E+02	-.6929E+01	-.8512E+01	-.2537E+04	.1538E+04	-.2392E+04	-.5097E+02	-.6929E+01	-.8512E+01	-.2537E+04	.1039E+04	-.1986E+04
.1614E+03	.2872E+02	.3732E+02	.1077E+04	.1044E+05	.1851E+04	.1614E+03	.2872E+02	.3732E+02	.1077E+04	-.8251E+04	.1608E+03
.1541E+02	.3668E+02	-.2143E+02	-.2103E+04	.2391E+04	.2325E+04	.1541E+02	.3668E+02	-.2143E+02	-.2103E+04	.1135E+04	.1751E+03
.2223E+02	.7999E+02	.4448E+02	.1600E+04	.7413E+04	-.8379E+04	.5223E+02	-.7999E+02	.4448E+02	.1600E+04	-.4805E+04	-.3689E+04
-.5434E+03	-.5606E+02	.2680E+03	.1811E+04	.3539E+05	-.5649E+04	-.3434E+03	-.5606E+02	.2680E+03	.1811E+04	.1908E+05	-.2409E+04
-.1986E+03	.4271E+03	.8483E+02	-.5356E+04	-.1123E+05	.5212E+05	-.1986E+03	.4271E+03	.8483E+02	-.5356E+04	.6255E+04	.2708E+05
.8655E+01	-.2515E+02	.9362E+02	.1705E+04	-.1335E+05	-.2314E+04	.8655E+01	-.2515E+02	.9362E+02	.1705E+04	-.7862E+04	-.8399E+03
.4683E+01	-.9630E+01	.2391E+01	-.1092E+03	-.2952E+03	-.4912E+03	.4683E+01	-.9630E+01	.2391E+01	-.1092E+03	.1550E+03	.7330E+02
-.3738E+03	.2352E+03	.1018E+03	-.3326E+04	-.1676E+05	.3468E+05	-.3738E+03	.2352E+03	.1018E+03	-.3326E+04	.1079E+05	.2689E+05
-.1422E+02	.2313E+00	.5372E+01	.5588E+02	.3761E+03	-.3318E+02	-.1422E+02	.2313E+00	.5372E+01	.5588E+02	.6910E+02	-.4674E+02
.6045E+00	-.3626E+01	.9497E+01	.1006E+01	.2759E+02	.6277E+03	.6045E+00	-.3626E+01	.9497E+01	.1006E+01	.5310E+02	.4202E+03
.7056E+01	.1680E+02	-.1500E+02	-.7017E+03	-.2213E+04	.5697E+03	.7056E+01	.1680E+02	-.1500E+02	-.7017E+03	.3093E+04	-.4149E+03
.1596E+02	-.3370E+02	-.1956E+02	.1249E+03	-.1416E+04	-.2811E+04	.1596E+02	-.3370E+02	-.1456E+02	.1249E+03	.4960E+04	.7803E+03
-.4089E+02	.3626E+01	-.8574E+01	.4264E+03	.5463E+04	.4989E+03	-.4089E+02	.3626E+01	-.8574E+01	.4264E+03	.3486E+04	-.2267E+03
.1612E+02	.8515E+00	.4201E+02	-.4387E+03	-.6321E+04	-.1768E+03	.1612E+02	.8515E+00	.4201E+02	-.4387E+03	.7236E+00	.1455E+01
-.3304E+01	.1009E+01	.1399E+03	-.7712E+01	.7152E+00	.2047E+01	-.3304E+01	.1009E+01	.1399E+03	-.7712E+01	.2826E+03	.1812E+02
-.7846E+00	.1487E+00	-.1681E+02	.9418E+02	.1268E+04	.2743E+02	-.7846E+00	.1487E+00	-.1681E+02	.9418E+02	.1414E+03	-.2916E+03
-.4798E+01	.1588E+01	-.3092E+02	-.6443E+01	.1071E+04	-.2906E+03	-.4798E+01	.1588E+01	-.3092E+02	-.6443E+01	.2087E+03	.2691E+03
.4273E+01	.8293E+00	.2694E+02	-.1561E+02	-.1371E+04	.3177E+03	.4273E+01	.8293E+00	.2694E+02	-.1561E+02	.9131E+00	.3005E+01
.1926E+01	-.8994E+03	-.2022E+01	.5574E+00	.2090E+01	.2952E+01	.1926E+01	-.8994E+03	-.2022E+01	.5574E+00	.6204E+03	-.1618E+04
-.1042E+02	.6342E+01	.1032E+02	-.1647E+03	.1516E+02	-.1246E+04	-.1042E+02	.6342E+01	.1032E+02	-.1647E+03	-.7813E+01	.1995E+03
.3505E+00	-.1315E+01	.3115E+01	.1125E+02	-.1904E+03	.1225E+03	.3505E+00	-.1315E+01	.3115E+01	.1125E+02	-.9234E+02	-.2736E+01
.1023E+02	.1769E+01	-.1147E+02	.2452E+02	-.2510E+03	.1010E+03	.1023E+02	.1769E+01	-.1147E+02	.2452E+02	.3425E+02	-.4688E+03
.7409E+01	-.5842E+01	-.1516E+01	.2523E+02	.5464E+02	-.7893E+03	.7409E+01	-.5842E+01	-.1516E+01	.2523E+02	.4935E+02	-.2864E+03
-.5082E+02	.2570E+01	.1778E+01	-.93								

SQUARE ROOT SUM OF THE SQUARES													
.5830E+03	.5020E+03	.3273E+03	.7841E+04	.4580E+05	.6367E+05	.5830E+03	.5020E+03	.3273E+03	.7841E+04	.4749E+05	.3463E+05		
CLOSELY SPACED MODE SUMMATION METHOD													
.6272E+03	.5432E+03	.3918E+03	.9673E+04	.5471E+05	.6686E+05	.6272E+03	.5432E+03	.3918E+03	.9673E+04	.3280E+05	.3563E+05		

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 1

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-5004E+02	-6929E+01	-1293E+02	-2354E+04	1039E+04	-2200E+04	-5004E+02	-6929E+01	-1293E+02	-2354E+04	2813E+03	-1793E+04
-1576E+03	-2872E+02	-5127E+02	-1059E+04	-8251E+04	-2602E+03	-1576E+03	-2872E+02	-5127E+02	-1059E+04	-5245E+04	-1424E+04



503E+03 .5020E+03 .5273E+03 .701E+04 .4580E+05 .6367E+05 .5830E+03 .502E+03 .3273E+03 .7841E+04 .2799E+05 .3463E+05  
CLOSELY SPACED MCD SUMMATION METHOD  
5272E+03 .5432E+03 .3918E+03 .9673E+04 .5471E+05 .6686E+05 .6272E+03 .5432E+03 .3918E+03 .9673E+04 .3280E+05 .3563E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 18 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-5004E+02	-6929E+01	-1293E+02	-2354E+04	1039E+04	-2200E+04	-5004E+02	-6929E+01	-1293E+02	-2354E+04	2813E+03	-1793E+04
1576E+03	2872E+02	5127E+02	1059E+04	-8251E+04	2602E+03	1576E+03	2872E+02	5127E+02	1059E+04	-5245E+04	-1424E+04
1722E+02	3668E+02	-2000E+02	-2110E+04	1135E+04	-9022E+01	1722E+02	3668E+02	-2000E+02	-2110E+04	-3810E+02	-2160E+04
4816E+02	7959E+02	4886E+02	1915E+04	-4805E+04	-3536E+04	4816E+02	7959E+02	4886E+02	1915E+04	-1941E+04	1154E+04
-3554E+03	-5806E+02	2370E+03	2014E+04	-1968E+05	-2242E+04	-3554E+03	-5806E+02	2370E+03	2014E+04	-5784E+04	1045E+04
-2052E+03	4271E+03	6719E+02	-7698E+04	-6255E+04	2651E+05	-2052E+03	4271E+03	6719E+02	-7698E+04	-2315E+04	1488E+04
4548E+00	-2515E+02	9401E+02	1771E+04	-7862E+04	-6880E+03	4548E+00	-2515E+02	9401E+02	1771E+04	-2350E+04	7866E+03
4457E+01	-9630E+01	2790E+01	-1152E+03	-1550E+03	6349E+02	4457E+01	-9630E+01	2790E+01	-1152E+03	6559E+01	6201E+03
-3812E+03	2352E+03	6878E+02	-5136E+04	-1079E+05	2652E+05	-3812E+03	2352E+03	6878E+02	-5136E+04	-6759E+04	6731E+04
-1463E+02	2313E+00	9112E+01	5975E+02	6910E+03	-4169E+02	-1463E+02	2313E+00	9112E+01	5975E+02	9321E+03	-5525E+02
5439E+00	-3626E+01	1473E+00	-3566E+02	3310E+02	4187E+03	5439E+00	-3626E+01	1473E+00	-3566E+02	4180E+02	6313E+03
8328E+01	1640E+02	-1433E+02	-6628E+03	-3093E+04	-4746E+03	8328E+01	1640E+02	-1433E+02	-6628E+03	-3933E+04	-1459E+04
1171E+02	-3370E+02	-1311E+02	1973E+03	-2269E+04	-8219E+03	1171E+02	-3370E+02	-1311E+02	1973E+03	-3038E+04	1154E+04
-3998E+02	3626E+01	-1211E+02	3562E+03	4960E+04	8205E+03	-3998E+02	3626E+01	-1211E+02	3562E+03	4250E+04	6019E+03
1239E+02	8515E+00	4326E+02	-4173E+03	-3858E+04	2641E+03	1239E+02	8515E+00	4326E+02	-4173E+03	-1322E+04	-3140E+03
-3352E+01	1009E+01	-2795E+02	-2038E+00	7236E+00	1443E+01	-3352E+01	1009E+01	-2795E+02	-2038E+00	5547E+00	8513E+00
4655E+00	1487E+00	-1683E+02	9218E+02	2826E+03	2686E+02	4655E+00	1487E+00	-1683E+02	9218E+02	-7041E+03	1814E+02
-2023E+01	1588E+01	-3122E+02	1902E+02	-1414E+03	-2910E+03	-2023E+01	1588E+01	-3122E+02	1902E+02	-1972E+04	-2920E+03
1006E+01	8293E+00	2721E+02	-3903E+02	2087E+03	2607E+03	1006E+01	8293E+00	2721E+02	-3903E+02	1804E+04	2181E+03
2095E+01	-8994E+03	-1846E+01	2932E+00	9131E+00	3042E+01	2095E+01	-8994E+03	-1846E+01	2932E+00	-1690E+00	3095E+01
-1128E+02	6342E+01	9375E+01	-2289E+02	6204E+03	-1626E+04	-1128E+02	6342E+01	9375E+01	-2289E+02	1170E+04	-1996E+04
7745E+01	-1315E+01	3134E+01	-6199E+01	7813E+01	1998E+03	7745E+01	-1315E+01	3134E+01	-6199E+01	1759E+03	2764E+03
1119E+02	1769E+01	-1053E+02	2467E+02	-9234E+03	-5864E+00	1119E+02	1769E+01	-1053E+02	2467E+02	-1541E+04	-1043E+03
7513E+01	-5842E+01	-8642E+00	6411E+02	-3425E+02	-4429E+03	7513E+01	-5842E+01	-8642E+00	6411E+02	-8492E+02	1004E+03
-5079E+02	2570E+01	-2663E+01	1569E+02	4955E+02	-2861E+03	-5079E+02	2570E+01	-2663E+01	1569E+02	-1008E+03	4368E+03
7488E+01	8351E+01	9950E+01	-7005E+02	-5772E+03	-4442E+03	7488E+01	8351E+01	9950E+01	-7005E+02	6132E+01	-9338E+03
-3799E+02	-1051E+02	9566E+01	-2775E+02	-4181E+03	3244E+03	-3799E+02	-1051E+02	9566E+01	-2775E+02	1427E+03	4405E+03
2764E+02	4102E+01	1010E+02	-9918E+02	4086E+03	-2281E+03	2764E+02	4102E+01	1010E+02	-9918E+02	9988E+03	-4086E+03
5523E+02	1317E+01	-1117E+01	8746E+02	-6290E+03	-1559E+03	5523E+02	1317E+01	-1117E+01	8746E+02	-6945E+03	-2331E+03
-0269E+01	-5986E+01	-2290E+00	2212E+02	6629E+02	-1404E+03	-0269E+01	-5986E+01	-2290E+00	2212E+02	5287E+02	2105E+03
-2176E+02	3405E+01	-1730E+02	-5735E+02	4693E+03	-2178E+02	-2176E+02	3405E+01	-1730E+02	-5735E+02	-5484E+03	-2214E+03

SQUARE ROOT SUM OF THE SQUARES  
.6017E+03 .5020E+03 .2917E+03 .1041E+05 .2749E+05 .3394E+05 .6017E+03 .5020E+03 .2917E+03 .1041E+05 .1342E+05 .8466E+04  
CLOSELY SPACED MCD SUMMATION METHOD  
.6413E+03 .5432E+03 .3569E+03 .1239E+05 .3280E+05 .3479E+05 .6413E+03 .5432E+03 .3569E+03 .1239E+05 .1582E+05 .1007E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 19 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-4518E+02	-9407E+01	-1895E+02	-2189E+04	2813E+03	-1991E+04	-4518E+02	-9407E+01	-1895E+02	-2189E+04	-8299E+03	-1440E+04
1277E+03	3185E+02	5312E+02	1179E+04	-5285E+04	-1326E+04	1277E+03	3185E+02	5312E+02	1179E+04	-2131E+04	-3194E+04
2049E+02	4666E+02	-3043E+02	-1914E+04	2381E+02	-2335E+04	2049E+02	4666E+02	-3043E+02	-1914E+04	-1834E+04	5071E+04
5873E+02	-1015E+03	1001E+03	1808E+04	-1941E+04	1316E+04	5873E+02	-1015E+03	1001E+03	1808E+04	3927E+04	7205E+04
-4422E+03	-7324E+02	3826E+03	1915E+04	-5784E+04	1216E+04	-4422E+03	-7324E+02	3826E+03	1915E+04	1665E+05	5510E+04
-3586E+03	5973E+03	6715E+02	-7796E+04	-2315E+04	7920E+03	-3586E+03	5973E+03	6715E+02	-7796E+04	1622E+04	3423E+05
-5793E+02	-3914E+02	-2692E+02	1694E+04	-2350E+04	9378E+03	-5793E+02	-3914E+02	-2692E+02	1694E+04	-4045E+04	3233E+04
4124E+01	-1287E+02	4159E+01	-1694E+03	8559E+01	6157E+03	4124E+01	-1287E+02	4159E+01	-1694E+03	-2353E+03	1370E+04
-1635E+03	3835E+03	2476E+03	-5703E+04	6759E+04	-6289E+04	-1635E+03	3835E+03	2476E+03	-5703E+04	7719E+04	-1622E+05
-2264E+02	-5493E+00	-5575E+01	6433E+02	9321E+03	-4984E+02	-2264E+02	-5493E+00	-5575E+01	6433E+02	6052E+03	-1763E+02
3230E+00	-3246E+01	-4794E+00	-7047E+02	4180E+02	6258E+03	3230E+00	-3246E+01	-4794E+00	-7047E+02	1369E+02	8161E+03
1027E+01	2782E+02	3787E+02	-5335E+03	-3933E+04	-1511E+04	1027E+01	2782E+02	3787E+02	-5335E+03	-1715E+04	-3142E+04
9098E+01	-5872E+02	2674E+02	9605E+02	-3038E+04	1107E+04	9098E+01	-5872E+02	2674E+02	9605E+02	-1470E+04	4609E+04
-3739E+02	7505E+01	-6245E+02	3019E+03	4251E+04	-6366E+03	-3739E+02	7505E+01	-6245E+02	3019E+03	5885E+03	-1966E+03
2230E+01	5767E+01	5287E+02	-3884E+03	-1322E+04	-3492E+03	2230E+01	5767E+01	5287E+02	-3884E+03	1778E+04	-6873E+03
-2724E-01	3924E-01	-8045E-02	-2771E+00	5597E+00	8304E+00	-2724E-01	3924E-01	-8045E-02	-2771E+00	8802E-01	-1470E+01
4677E+01	-6031E+00	-2656E+01	9026E+02	-7041E+03	2610E+02	4677E+01	-6031E+00	-2656E+01	9026E+02	-8716E+03	6146E+02
3247E+01	-8982E+01	6556E+01	-1972E+04	-6292E+03	3247E+01	-8982E+01	6556E+01	-1972E+04	-6292E+03	1587E+04	2374E+03
-2293E+01	6389E+01	-7280E+01	-5784E+02	1804E+04	2139E+03	-2293E+01	6389E+01	-7280E+01	-5784E+02	1377E+04	-1607E+03
2340E-01	7598E-01	-1438E-01	2271E-01	-1690E+00	3108E+01	2340E-01	7598E-01	-1438E-01	2271E-01	-1012E+01	-1340E+01
-1118E+02	-4875E+02	-1262E+02	1511E+03	1170E+04	-1593E+04	-1118E+02	-4875E+02	-1262E+02	1511E+03	4303E+03	6658E+03
-4570E+00	7224E+01	-5649E+00	-3027E+02	1759E+03	-2752E+03	-4570E+00	7224E+01	-5649E+00	-3027E+02	1428E+03	-1403E+03
1126E+02	-2974E+01	2214E+02	3365E+02	-1541E+02	-1018E+03	1126E+02	-2974E+01	2214E+02	3365E+02	-2426E+03	7260E+02
8317E+01	1902E+01	5800E+00	7261E+02	-8492E+02	-9446E+02	8317E+01	1902E+01	5800E+00	7261E+02	-5042E+02	-2059E+03
-6032E+02	-7416E+01	3191E+01	5365E+02	-1068E+03	-4337E+03	-6032E+02	-7416E+01	3191E+01	5365E+02	8033E+02	1070E+01



SQUARE ROOT SUM OF THE SQUARES											
.6407E+03	.7294E+03	.4870E+03	.1066E+05	.1322E+05	.8156E+04	.6407E+03	.7294E+03	.4870E+03	.1066E+05	.1988E+05	.4002E+05
CLOSELY SPACED PCDF SUMMATION METHOD											
.7294E+03	.7870E+03	.5738E+03	.1252E+05	.1582E+05	.9844E+04	.7294E+03	.7870E+03	.5738E+03	.1252E+05	.2392E+05	.4544E+05

ELEMENT TYPE (3/D P I P E ) . / / / ELEMENT NUMBER ( 20)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-1.187E+03	-1.580E+03	.6908E+01	-2.055E+04	-.8299E+03	-.1625E+04	-.1187E+03	-.1580E+03	.6908E+01	-2.055E+04	-.4250E+03	.7636E+04
.3100E+03	-.2311E+01	.2994E+03	-.1453E+04	-.2131E+04	-.3079E+04	.3100E+03	-.2311E+01	.2994E+03	-.1453E+04	.1542E+05	-.2943E+04
1.277E+02	-.1142E+02	.0469E+01	-.1464E+04	-.1834E+04	-.5218E+04	1.277E+02	-.1142E+02	.0469E+01	-.1464E+04	.1572E+04	-.5459E+04
.3491E+01	.1365E+02	-.4746E+02	.1167E+04	.3927E+04	.7395E+04	.3491E+01	.1365E+02	-.4746E+02	.1167E+04	.1297E+04	.6595E+04
-1.895E+03	.9522E+01	-.1992E+02	.1427E+04	.1665E+05	.5656E+04	-1.895E+03	.9522E+01	-.1992E+02	.1427E+04	.1548E+05	.5098E+04
.3371E+02	-.1394E+02	.9784E+02	-.4780E+04	.1622E+04	-.3478E+05	.3371E+02	-.1394E+02	.9784E+02	-.4780E+04	.7358E+04	-.3396E+05
.1727E+02	-.2026E+01	.4483E+03	.1408E+04	-.4445E+04	.3368E+04	.1727E+02	-.2026E+01	.4483E+03	.1408E+04	.2224E+05	.3487E+04
.2663E+01	.7375E+01	.1897E+02	-.2883E+03	-.2353E+03	.1350E+04	.2663E+01	.7375E+01	.1897E+02	-.2883E+03	.8766E+03	.9179E+04
-.5631E+03	.5848E+02	-.6882E+02	-.4265E+04	.7719E+04	-.1666E+05	-.5631E+03	.5848E+02	-.6882E+02	-.4265E+04	.3685E+04	-.2009E+05
-1.502E+02	-.3657E+01	-.5145E+00	.6562E+02	.6052E+03	-.1196E+02	-1.502E+02	-.3657E+01	-.5145E+00	.6562E+02	.5751E+03	.2025E+03
.5601E+00	.1763E+02	.8169E+01	-.1613E+03	.1369E+02	.6051E+03	.5601E+00	.1763E+02	.8169E+01	-.1613E+03	.1848E+02	-.2267E+03
.8028E+01	-.4521E+02	.2103E+01	-.2571E+03	-.1713E+04	-.3177E+04	.8028E+01	-.4521E+02	.2103E+01	-.2571E+03	-.1589E+04	.5261E+03
.1658E+02	.6867E+02	.7082E+00	-.3066E+03	-.1470E+04	.4600E+04	.1658E+02	.6867E+02	.7082E+00	-.3066E+03	-.1429E+04	.5747E+03
-.3312E+02	-.2168E+01	-.6313E+02	.2836E+03	.5885E+03	.2722E+03	-.3312E+02	-.2168E+01	-.6313E+02	.2836E+03	.3112E+04	.3443E+03
-.1336E+01	-.2089E+01	.7702E+00	-.3269E+03	.1778E+04	-.7185E+03	-.1336E+01	-.2089E+01	.7702E+00	-.3269E+03	.6293E+04	-.5961E+03
-.7924E-01	-.1464E-01	-.1318E-01	-.1478E+00	.8802E-01	-.1489E+01	-.7924E-01	-.1464E-01	-.1318E-01	-.1478E+00	-.6849E+00	-.6305E+00
.4711E+01	.2040E+01	-.1143E+02	.8455E+02	-.8716E+03	.6910E+02	.4711E+01	.2040E+01	-.1143E+02	.8455E+02	-.1542E+04	-.5049E+02
.3188E+01	.4037E+01	-.0975E+01	.2348E+02	-.1587E+04	.2404E+03	.3188E+01	.4037E+01	-.0975E+01	.2348E+02	-.2114E+04	.3710E+01
-.2740E+01	.3137E+01	.6157E+01	-.4367E+02	.1377E+04	-.1651E+03	-.2740E+01	.3137E+01	.6157E+01	-.4367E+02	.1738E+04	-.3491E+03
.2510E-01	-.2223E-01	-.1979E-01	.1401E+00	-.1012E+01	-.1339E+01	.2510E-01	-.2223E-01	-.1979E-01	.1401E+00	-.2172E+01	-.3585E-01
-.1059E+02	.1620E+02	-.1060E+02	.7503E+02	.4503E+03	.8756E+03	-.1059E+02	.1620E+02	-.1060E+02	.7503E+02	-.1914E+03	-.7362E+02
-.4448E+00	-.2933E+01	.5361E+00	-.1722E+02	.1428E+03	-.1504E+03	-.4448E+00	-.2933E+01	.5361E+00	-.1722E+02	.1742E+03	.2101E+02
.9612E+01	.4098E+01	.2182E+02	.2719E+02	-.2426E+03	.7526E+02	.9612E+01	.4098E+01	.2182E+02	.2719E+02	.1036E+04	-.1650E+04
.8101E+01	-.3271E+02	.1290E+01	.9030E+02	-.5092E+02	-.1988E+03	.8101E+01	-.3271E+02	.1290E+01	.9030E+02	.2474E+02	.1

SQUARE ROOT SUM OF THE SQUARES												
.6926E+03	.1946E+03	.5651E+03	.7444E+04	.1988E+05	.4074E+05	.6926E+03	.1946E+03	.5651E+03	.7444E+04	.3340E+05	.4103E+05	
CLOSELY SPACED MCCE SUMMATION METHOD												
.7065E+03	.2209E+03	.6560E+03	.8900E+04	.2392E+05	.4630E+05	.7065E+03	.2209E+03	.6560E+03	.8900E+04	.3947E+05	.4632E+05	

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 21)

PX(I)	VY(I)	VZ(I)	TX(I)	PY(I)	AZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	PY(J)	AZ(J)
-1.150E+03	-1.527E+03	-4.774E+01	-2.712E+04	-4.250E+03	7.428E+04	-1.150E+03	-1.527E+03	-4.774E+01	-2.712E+04	-7.048E+03	1.638E+05
2.639E+03	-3.368E+01	2.798E+03	1.703E+04	1.542E+05	-2.806E+04	2.639E+03	-3.368E+01	2.798E+03	1.703E+04	3.182E+05	-2.608E+04
1.478E+02	-1.532E+02	2.403E+01	-1.1663E+04	1.572E+04	-4.659E+04	1.478E+02	-1.532E+02	2.403E+01	-1.1663E+04	-1.1431E+04	-3.761E+04
1.635E+02	2.163E+02	-1.297E+02	5.883E+03	1.297E+04	6.671E+04	1.635E+02	2.163E+02	-1.297E+02	5.883E+03	5.364E+03	5.403E+04
-1.2765E+03	1.602E+02	4.681E+01	9.779E+03	1.548E+05	5.253E+04	-1.2765E+03	1.602E+02	4.681E+01	9.779E+03	1.576E+05	4.264E+04
										9.518E+01	-3.849E+05





ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 1 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-1.150E+03	-1.527E+03	-4.774E+01	-2.712E+04	-4.250E+03	.7428E+04	-1.150E+03	-1.527E+03	-4.774E+01	-2.712E+04	-7.048E+03	.1638E+05
.2639E+03	-.3368E+01	.2798E+03	.1703E+04	.1542E+05	-.2806E+04	.2639E+03	-.3368E+01	.2798E+03	.1703E+04	.3182E+05	-.2608E+04
.1478E+02	-.1532E+02	.2403E+01	-.1063E+04	-.1572E+04	-.4659E+04	.1478E+02	-.1532E+02	.2403E+01	-.1063E+04	-.1431E+04	-.3701E+04
.1635E+02	.2163E+02	-.1297E+02	.5883E+03	.1297E+04	.6671E+04	.1635E+02	.2163E+02	-.1297E+02	.5883E+03	.5364E+03	.5403E+04
-.2765E+03	.1602E+02	.4681E+01	.9779E+03	.1548E+05	.5203E+04	-.2765E+03	.1602E+02	.4681E+01	.9779E+03	.1570E+05	.4264E+04
-.1162E+03	-.8270E+02	.3890E+02	-.1805E+04	.7358E+04	-.3425E+05	-.1162E+03	-.8270E+02	.3890E+02	-.1805E+04	.9638E+04	-.2940E+05
-.2719E+02	.4756E+01	.1444E+03	.1099E+04	.2224E+05	.3597E+04	-.2719E+02	.4756E+01	.1444E+03	.1099E+04	.3070E+05	.3318E+04
-.3058E+01	.6689E+01	.5122E+01	-.3672E+03	.8766E+03	-.8893E+03	-.3058E+01	.6689E+01	.5122E+01	-.3672E+03	.1171E+04	.4972E+03
-.3548E+03	-.1358E+02	.1643E+02	-.2500E+04	.3685E+04	-.2038E+05	-.3548E+03	-.1358E+02	.1643E+02	-.2500E+04	.4648E+04	-.1959E+05
-.2154E+02	-.1666E+01	-.5185E+01	.4774E+02	.5751E+03	.2074E+03	-.2154E+02	-.1666E+01	-.5185E+01	.4774E+02	.2711E+03	.3051E+03
.3922E+00	.8579E+01	-.2720E+00	-.1408E+03	.1840E+02	-.2419E+03	.3922E+00	.8579E+01	-.2720E+00	-.1408E+03	.2533E+01	-.7448E+03
-.6873E+01	-.2356E+02	.2707E+02	-.2103E+03	-.1509E+04	-.5465E+03	-.6873E+01	-.2356E+02	.2707E+02	-.2103E+03	.1149E+03	.8346E+03
.2310E+01	.3520E+02	.2312E+02	-.3553E+03	-.1429E+04	.5458E+03	.2310E+01	.3520E+02	.2312E+02	-.3553E+03	-.7320E+02	-.1517E+04
-.2876E+02	-.5874E+00	-.2321E+02	.2521E+03	-.3112E+04	.3727E+03	-.2876E+02	-.5874E+00	-.2321E+02	.2521E+03	-.4473E+04	.4071E+03
-.2017E+01	-.1394E+01	-.1654E+02	-.2738E+03	.6293E+04	-.6223E+03	-.2017E+01	-.1394E+01	-.1654E+02	-.2738E+03	.5324E+03	-.5406E+03
-.2305E+01	-.6404E+02	-.1274E+02	-.9239E+01	-.6849E+00	-.6409E+00	-.2305E+01	-.6404E+02	-.1274E+02	-.9239E+01	-.7545E+00	-.2655E+00
.3846E+01	.5368E+00	.1531E+02	.8863E+02	-.1542E+04	-.4294E+02	.3846E+01	.5368E+00	.1531E+02	.8863E+02	-.6442E+03	-.7440E+02
-.1113E+01	.1607E+01	.3070E+02	-.2307E+02	-.2114E+04	.5741E+01	-.1113E+01	.1607E+01	.3070E+02	-.2307E+02	.3138E+03	-.6848E+02
.14958E+01	.1437E+01	-.2692E+02	-.1360E+02	.1738E+04	-.3516E+03	.14958E+01	.1437E+01	-.2692E+02	-.1360E+02	.1602E+03	-.4358E+03
.2122E+01	.1574E+02	.1876E+01	.1427E+00	-.2172E+01	-.2352E+01	.2122E+01	.1574E+02	.1876E+01	.1427E+00	.1073E+01	-.1158E+00
-.7543E+01	-.3413E+01	-.7520E+01	.8118E+02	-.1914E+03	-.6700E+02	-.7543E+01	-.3413E+01	-.7520E+01	.8118E+02	-.6323E+03	-.1530E+03
-.2420E+02	.7316E+00	-.3105E+01	-.1904E+02	.1742E+03	.2003E+02	-.2420E+02	.7316E+00	-.3105E+01	-.1904E+02	-.7812E+01	-.2260E+02
.7552E+01	-.1726E+01	-.2665E+00	.4146E+02	.1036E+04	-.1620E+03	.7552E+01	-.1726E+01	-.2665E+00	.4146E+02	.1021E+04	-.6084E+02
.8301E+01	.1464E+02	.2931E+00	-.5974E+02	.2474E+02	.1720E+04	.8301E+01	.1464E+02	.2931E+00	-.5974E+02	.4192E+02	.8623E+03
-.6592E+02	.3296E+01	.3226E+01	.9747E+01	-.1284E+03	.5019E+03	-.6592E+02	.3296E+01	.3226E+01	.9747E+01	.6066E+02	.3007E+03
.1813E+02	.8737E+00	-.1902E+02	-.2370E+02	.1241E+04	.4187E+03	.1813E+02	.8737E+00	-.1902E+02	-.2370E+02	.1254E+03	.3675E+03
-.6866E+02	-.2059E+00	-.1426E+02	-.6469E+02	.8863E+03	-.4492E+03	-.6866E+02	-.2059E+00	-.1426E+02	-.6469E+02	.5016E+02	-.4371E+03
.4178E+02	-.7065E+03	.5325E+01	-.5615E+02	-.8148E+03	.7061E+02	.4178E+02	-.7065E+03	.5325E+01	-.5615E+02	-.5026E+03	.7065E+02
.7355E+02	.8370E+01	-.1841E+02	.3345E+02	.1374E+04	.7572E+03	.7355E+02	.8370E+01	-.1841E+02	.3345E+02	.2947E+03	.2665E+03
-.4559E+01	.9164E+01	.2208E+01	-.4644E+02	-.1458E+03	.5259E+03	-.4559E+01	.9164E+01	.2208E+01	-.4644E+02	-.1631E+02	-.1138E+02
-.2705E+02	-.2526E+01	.2081E+02	-.2237E+02	-.8325E+03	-.1166E+03	-.2705E+02	-.2526E+01	.2081E+02	-.2237E+02	.3876E+03	.3145E+02

SGUARE ROOT SUM OF THE SQUARES

.5446E+03 .1835E+03 .3267E+03 .4889E+04 .3340E+05 .4200E+05 .5446E+03 .1835E+03 .3267E+03 .4889E+04 .4871E+05 .4002E+05

CLOSELY SPACED NODE SUMMATION METHOD

.5966E+03 .1962E+03 .3536E+03 .5759E+04 .3947E+05 .4680E+05 .5966E+03 .1962E+03 .3536E+03 .5759E+04 .5539E+05 .4372E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 22 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.1141E+03	-.1527E+03	-.1477E+02	-.4129E+04	-.7048E+03	.1408E+05	-.1141E+03	-.1527E+03	-.1477E+02	-.4129E+04	-.1571E+04	.2503E+05
.2385E+03	-.3368E+01	.3018E+03	.1924E+04	.3182E+05	-.2450E+04	.2385E+03	-.3368E+01	.3018E+03	.1924E+04	.4951E+05	-.2522E+04
.1452E+02	-.1532E+02	.3682E+01	-.7309E+03	-.1431E+04	-.3839E+04	.1452E+02	-.1532E+02	.3682E+01	-.7309E+03	-.1215E+04	-.2941E+04
.1742E+02	.2163E+02	-.1150E+02	.1153E+03	.5364E+03	.5434E+04	.1742E+02	.2163E+02	-.1150E+02	.1153E+03	-.1378E+03	.4166E+04
-.2759E+03	.1602E+02	-.1943E+02	.6027E+03	.1576E+05	.4333E+04	-.2759E+03	.1602E+02	-.1943E+02	.6027E+03	.1462E+05	.3344E+04
-.1192E+03	-.8270E+02	.2862E+02	.7636E+03	.9638E+04	-.2945E+05	-.1192E+03	-.8270E+02	.2862E+02	.7636E+03	.1132E+05	-.2460E+05
-.3967E+02	.4756E+01	.1415E+03	.8053E+03	.3070E+05	.3401E+04	-.3967E+02	.4756E+01	.1415E+03	.8053E+03	.3899E+05	.3122E+04
.2600E+01	.6689E+01	.5369E+01	-.4091E+03	.1177E+04	.4633E+03	.2600E+01	.6689E+01	.5369E+01	-.4091E+03	.1492E+04	.7121E+02
-.3549E+03	-.1358E+02	-.1455E+02	-.7835E+03	.4648E+04	-.1973E+05	-.3549E+03	-.1358E+02	-.1455E+02	-.7835E+03	.3795E+04	-.1894E+05
-.2100E+02	-.1666E+01	-.7042E+01	.2098E+02	.2711E+03	.3081E+03	-.2100E+02	-.1666E+01	-.7042E+01	.2098E+02	-.1417E+03	.4057E+03
.4144E+00	.8579E+01	-.2368E+00	-.7537E+02	.7533E+01	-.7542E+03	.4144E+00	.8579E+01	-.2368E+00	-.7537E+02	-.1135E+02	-.1257E+04
-.9180E+01	-.2356E+02	.2836E+02	-.2823E+03	.1149E+03	.8131E+03	-.9180E+01	-.2356E+02	.2836E+02	-.2823E+03	.1778E+04	.2144E+04
.2919E+00	.3520E+02	.2324E+02	-.2217E+03	-.7520E+02	-.1543E+04	.2919E+00	.3520E+02	.2324E+02	-.2217E+03	.1289E+04	-.3606E+04
-.2665E+02	-.5874E+00	-.2563E+02	.2157E+03	.4374E+04	.4275E+03	-.2665E+02	-.5874E+00	-.2563E+02	.2157E+03	-.5975E+04	.4620E+03
-.5577E+00	-.1394E+01	-.1666E+02	-.2256E+03	.5428E+04	-.5624E+03	-.5577E+00	-.1394E+01	-.1666E+02	-.2256E+03	.4347E+04	-.4807E+03
-.2286E+01	-.6404E+02	-.3278E+02	-.6866E+01	.7595E+00	-.2725E+00	-.2286E+01	-.6404E+02	-.3278E+02	-.6866E+01	-.9517E+00	.1029E+00
.2497E+01	.5368E+00	.1559E+02	.9477E+02	.6442E+03	-.6640E+02	.2497E+01	.5368E+00	.1559E+02	.9477E+02	.2696E+03	-.9786E+02
-.3784E+01	.1007E+01	.3049E+02	.3609E+02	.3138E+03	-.1131E+02	-.3784E+01	.1007E+01	.3049E+02	.3609E+02	.1474E+04	-.1803E+03
.4296E+01	.1437E+01	-.2665E+02	.2446E+02	.1502E+03	-.4353E+03	.4296E+01	.1437E+01	-.2665E+02	.2446E+02	-.1402E+04	-.5145E+03
.1951E+01	.1574E+02	.2054E+01	.1527E+00	-.1073E+01	-.1029E+00	.1951E+01	.1574E+02	.2054E+01	.1527E+00	.1312E+00	-.1952E+00
-.6659E+01	-.3413E+01	-.8149E+01	.6928E+02	-.6323E+03	.1396E+03	-.6659E+01	-.3413E+01	-.8149E+01	.6928E+02	-.1110E+04	.3377E+03
.2677E+00	.7316E+00	-.3094E+01	-.1697E+02	-.7012E+01	-.2443E+02	.2677E+00	.7316E+00	-.3094E+01	-.1697E+02	-.1892E+03	-.6732E+02
.7546E+01	-.1726E+01	.3925E+00	.4660E+02	.1021E+04	-.5699E+02	.7546E+01	-.1726E+01	.3925E+00	.4660E+02	.1044E+04	.4416E+02
.8244E+01	.1464E+02	.1015E+01	-.1340E+03	.4192E+02	.8534E+03	.8244E+01	.1464E+02	.1015E+01	-.1340E+03	.1014E+03	-.4312E+01
-.6545E+02	.3296E+01	-.2447E+01	-.1726E+02	.6066E+02	.3084E+03	-.6545E+02	.3296E+01	-.2447E+01	-.1726E+02	-.8511E+02	.1152E+03
.1977E+02	.8737E+00	-.1737E+02	-.5543E+02	.1254E+03	.3640E+03	.1977E+02	.8737E+00	-.1737E+02	-.5543E+02	-.8929E+03	.3126E+03
-.6736E+02	-.2059E+00	-.2021E+02	-.2627E+02	.5016E+02	-.4411E+03	-.6736E+02	-.2059E+00	-.2021E+02	-.2627E+02	-.1135E+04	-.4240E+03
.4115E+02	-.7065E+03	.8945E+01	-.6209E+02	-.5026E+03	.6549E+02	.4115E+02	-.7065E+03	.8945E+01	-.6209E+02	.2176E+02	.6553E+02



-378E+01	-1607E+00	-3049E+02	-309E+02	-3138E+03	-8613E+02	-3784E+01	-160E+01	-3049E+02	-3069E+02	-174E+04	-1803E+03
-4296E+01	-1437E+01	-2665E+02	-2446E+02	-1602E+03	-4353E+03	-4296E+01	-1437E+01	-2665E+02	-2496E+02	-1402E+04	-5195E+03
-551E+01	-1574E+02	-2054E+01	-1522E+00	-1373E+01	-1029E+00	-951E+01	-1574E+02	-2054E+01	-1522E+00	-1312E+00	-1952E+00
-59E+01	-3413E+01	-8149E+01	-6928E+02	-6323E+03	-1396E+03	-859E+01	-3413E+01	-8149E+01	-6428E+02	-1110E+04	-3397E+03
-77E+00	-7316E+00	-3094E+01	-1697E+02	-7812E+01	-2445E+02	-677E+00	-7316E+00	-3094E+01	-1697E+02	-1892E+03	-6732E+02
-754E+01	-1726E+01	-3925E+00	-4660E+02	-1021E+04	-5699E+02	-754E+01	-1726E+01	-3925E+00	-4660E+02	-1044E+04	-4416E+02
-824E+01	-1464E+02	-1015E+01	-1346E+03	-4192E+02	-8538E+03	-824E+01	-1464E+02	-1015E+01	-1346E+03	-1014E+03	-4312E+01
-6545E+02	-326E+01	-2487E+01	-1726E+02	-6066E+02	-3084E+03	-6545E+02	-326E+01	-2487E+01	-1726E+02	-8511E+02	-1152E+03
-1972E+02	-8737E+00	-1737E+02	-5563E+02	-1254E+03	-3640E+03	-1972E+02	-8737E+00	-1737E+02	-5563E+02	-8929E+03	-3128E+03
-6736E+02	-2059E+00	-2021E+02	-2627E+02	-5016E+02	-4411E+03	-6736E+02	-2059E+00	-2021E+02	-2627E+02	-1135E+04	-4290E+03
-4115E+02	-7065E-03	-8945E+01	-6269E+02	-5626E+03	-6549E+02	-4115E+02	-7065E-03	-8945E+01	-6269E+02	-2176E+02	-6553E+02
-7487E+02	-8370E+01	-1193E+02	-1016E+02	-2947E+03	-2684E+03	-7487E+02	-8370E+01	-1193E+02	-1016E+02	-4045E+03	-2223E+03
-734E+01	-9164E+01	-1802E+01	-4527E+02	-1531E+02	-1538E+02	-734E+01	-9164E+01	-1802E+01	-4527E+02	-8935E+02	-5526E+03
-2876E+02	-2526E+01	-1838E+02	-2502E+02	-3876E+03	-2938E+02	-2876E+02	-2526E+01	-1838E+02	-2502E+02	-1465E+04	-1774E+03

SQUARE ROOT SUM OF THE SQUARES

-5541E+03	-1835E+03	-3441E+03	-4894E+04	-4871E+05	-4002E+05	-5541E+03	-1835E+03	-3441E+03	-4894E+04	-4871E+05	-4002E+05
-5898E+03	-1962E+03	-3663E+03	-5196E+04	-5539E+05	-4379E+05	-5898E+03	-1962E+03	-3663E+03	-5196E+04	-5539E+05	-4379E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 23 )

PX(I)	VY(J)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-1082E+03	-1419E+03	-2593E+02	-6293E+04	-1571E+04	-2458E+05	-1082E+03	-1419E+03	-2593E+02	-6293E+04	-1571E+04	-2458E+05
-2014E+03	-5131E+01	-2689E+03	-2113E+04	-6951E+05	-2076E+04	-2014E+03	-5131E+01	-2689E+03	-2113E+04	-6951E+05	-2076E+04
-1650E+02	-2217E+02	-6163E+01	-4719E+03	-1215E+04	-2994E+04	-1650E+02	-2217E+02	-6163E+01	-4719E+03	-1215E+04	-2994E+04
-2322E+02	-3617E+02	-1096E+02	-2480E+03	-1378E+03	-4160E+04	-2322E+02	-3617E+02	-1096E+02	-2480E+03	-1378E+03	-4160E+04
-3589E+03	-2802E+02	-7827E+02	-3048E+03	-1462E+05	-3433E+04	-3589E+03	-2802E+02	-7827E+02	-3048E+03	-1462E+05	-3433E+04
-2458E+03	-2114E+03	-8769E+02	-2903E+04	-1132E+05	-2444E+05	-2458E+03	-2114E+03	-8769E+02	-2903E+04	-1132E+05	-2444E+05
-6630E+01	-1769E+02	-2294E+03	-5303E+03	-3899E+05	-3180E+04	-6630E+01	-1769E+02	-2294E+03	-5303E+03	-3899E+05	-3180E+04
-6971E+01	-5273E+01	-1033E+02	-4137E+03	-1492E+04	-3531E+02	-6971E+01	-5273E+01	-1033E+02	-4137E+03	-1492E+04	-3531E+02
-1650E+03	-1536E+03	-4575E+02	-8668E+03	-3795E+04	-1893E+05	-1650E+03	-1536E+03	-4575E+02	-8668E+03	-3795E+04	-1893E+05
-2767E+02	-2122E+01	-1721E+00	-1445E+02	-1417E+03	-4060E+03	-2767E+02	-2122E+01	-1721E+00	-1445E+02	-1417E+03	-4060E+03
-2758E+00	-8303E+01	-1214E+00	-3442E+02	-1135E+02	-1259E+04	-2758E+00	-8303E+01	-1214E+00	-3442E+02	-1135E+02	-1259E+04
-2512E+02	-1481E+02	-8401E+01	-4723E+03	-1778E+04	-2161E+04	-2512E+02	-1481E+02	-8401E+01	-4723E+03	-1778E+04	-2161E+04
-1490E+02	-2268E+02	-7652E+01	-9318E+02	-1289E+04	-3612E+04	-1490E+02	-2268E+02	-7652E+01	-9318E+02	-1289E+04	-3612E+04
-3787E+02	-1700E+01	-4705E+02	-1747E+03	-5975E+04	-4790E+03	-3787E+02	-1700E+01	-4705E+02	-1747E+03	-5975E+04	-4790E+03
-1994E+02	-3916E+00	-7146E+02	-1829E+03	-4307E+04	-4985E+03	-1994E+02	-3916E+00	-7146E+02	-1829E+03	-4307E+04	-4985E+03
-1693E+01	-4348E+00	-1102E+01	-7756E+01	-9517E+00	-9651E+01	-1693E+01	-4348E+00	-1102E+01	-7756E+01	-9517E+00	-9651E+01
-1624E+01	-6220E+00	-1093E+02	-1029E+03	-2696E+03	-8924E+02	-1624E+01	-6220E+00	-1093E+02	-1029E+03	-2696E+03	-8924E+02
-1630E+02	-6042E+01	-7155E+01	-4628E+02	-1474E+04	-1770E+03	-1630E+02	-6042E+01	-7155E+01	-4628E+02	-1474E+04	-1770E+03
-9909E+01	-5127E+01	-4426E+01	-7012E+02	-1402E+04	-5153E+03	-9909E+01	-5127E+01	-4426E+01	-7012E+02	-1402E+04	-5153E+03
-9793E+02	-3760E-03	-1675E-01	-1686E+00	-1312E+00	-1812E+00	-9793E+02	-3760E-03	-1675E-01	-1686E+00	-1312E+00	-1812E+00
-6963E+01	-1466E+00	-1212E+02	-3943E+02	-1110E+04	-3444E+03	-6963E+01	-1466E+00	-1212E+02	-3943E+02	-1110E+04	-3444E+03
-7235E+00	-2392E+00	-3598E+02	-1104E+02	-1892E+03	-6859E+02	-7235E+00	-2392E+00	-3598E+02	-1104E+02	-1892E+03	-6859E+02
-1117E+02	-1161E+01	-2181E+02	-4258E+02	-1044E+04	-4895E+02	-1117E+02	-1161E+01	-2181E+02	-4258E+02	-1044E+04	-4895E+02
-8344E+01	-1454E+02	-1671E+01	-1338E+03	-1014E+03	-1602E+02	-8344E+01	-1454E+02	-1671E+01	-1338E+03	-1014E+03	-1602E+02
-6813E+02	-5515E+01	-3277E+01	-2723E+02	-8511E+02	-1132E+03	-6813E+02	-5515E+01	-3277E+01	-2723E+02	-8511E+02	-1132E+03
-2747E+02	-7727E+01	-2597E+01	-8266E+02	-8924E+03	-3688E+03	-2747E+02	-7727E+01	-2597E+01	-8266E+02	-8924E+03	-3688E+03
-7459E+02	-8500E+01	-1109E+02	-1120E+02	-1135E+04	-4296E+03	-7459E+02	-8500E+01	-1109E+02	-1120E+02	-1135E+04	-4296E+03
-3940E+02	-3029E+01	-6317E+01	-6756E+02	-2176E+02	-5876E+02	-3940E+02	-3029E+01	-6317E+01	-6756E+02	-2176E+02	-5876E+02
-7482E+02	-1626E+01	-5320E+01	-2942E+02	-4045E+03	-2205E+03	-7482E+02	-1626E+01	-5320E+01	-2942E+02	-4045E+03	-2205E+03
-3506E+01	-4935E+01	-4110E+00	-3030E+01	-8935E+02	-5544E+03	-3506E+01	-4935E+01	-4110E+00	-3030E+01	-8935E+02	-5544E+03
-2657E+02	-2920E+01	-2208E+02	-4038E+02	-1465E+04	-1740E+03	-2657E+02	-2920E+01	-2208E+02	-4038E+02	-1465E+04	-1740E+03

SQUARE ROOT SUM OF THE SQUARES

-5416E+03	-3044E+03	-3882E+03	-7378E+04	-6637E+05	-4041E+05	-5416E+03	-3044E+03	-3882E+03	-7378E+04	-6637E+05	-4041E+05
-5827E+03	-3273E+03	-4463E+03	-7696E+04	-7370E+05	-4321E+05	-5827E+03	-3273E+03	-4463E+03	-7696E+04	-7370E+05	-4321E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 24 )

PX(I)	VY(J)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-1455E+03	-1419E+03	-3527E+02	-9140E+04	-3091E+04	-3222E+05	-1455E+03	-1419E+03	-3527E+02	-9140E+04	-3091E+04	-3222E+05
-1772E+03	-5131E+01	-2854E+03	-2260E+04	-6528E+05	-1584E+04	-1772E+03	-5131E+01	-2854E+03	-2260E+04	-6528E+05	-1584E+04
-1590E+02	-2217E+02	-7580E+01	-3222E+03	-8539E+03	-1729E+04	-1590E+02	-2217E+02	-7580E+01	-3222E+03	-8539E+03	-1729E+04
-2318E+02	-3617E+02	-1294E+02	-2480E+03	-1378E+03	-4160E+04	-2318E+02	-3617E+02	-1294E+02	-2480E+03	-1378E+03	-4160E+04
-3507E+03	-2802E+02	-1093E+03	-1473E+03	-1003E+05	-1811E+04	-3507E+03	-2802E+02	-1093E+03	-1473E+03	-1003E+05	-1811E+04
-2373E+03	-2114E+03	-1038E+03	-3943E+03	-6170E+04	-1175E+05	-2373E+03	-2114E+03	-1038E+03	-3943E+03	-6170E+04	-1175E+05
-2662E+02	-1769E+02	-2279E+03	-3413E+03	-2555E+05	-2181E+04	-2662E+02	-1769E+02	-2279E+03	-3413E+03	-2555E+05	-2181E+04
-7846E+01	-5273E+01	-9684E+01	-3883E+03	-8857E+03	-3089E+03	-7846E+01	-5273E+01	-9684E+01	-3883E+03	-8857E+03	-3089E+03



ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 24 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.55E+03	-.1419E+03	-.3527E+02	-.9140E+04	-.3091E+04	.3222E+05	.045E+03	-.1419E+03	-.3527E+02	-.9140E+04	-.5158E+04	.4054E+03
.72E+03	-.5131E+01	.2854E+03	.2260E+04	.6528E+05	-.1584E+04	.1772E+03	-.5131E+01	.2854E+03	.2260E+04	.8201E+05	-.1283E+04
.1590E+02	-.2217E+02	.7580E+01	-.3222E+03	-.8539E+03	-.1729E+04	.1590E+02	-.2217E+02	.7580E+01	-.3222E+03	-.4095E+03	-.4300E+03
.2218E+02	.3017E+02	.1294E+02	-.4256E+03	.5044E+03	.2010E+04	.2218E+02	.3017E+02	.1294E+02	-.4256E+03	.1263E+04	-.1106E+03
-.3507E+03	.2802E+02	-.1093E+03	.1473E+03	.1003E+05	.1611E+04	-.3507E+03	.2802E+02	-.1093E+03	.1473E+03	.3621E+04	.1662E+03
-.2373E+03	-.2114E+03	-.1088E+03	.3943E+04	.6176E+04	-.1175E+05	-.2373E+03	-.2114E+03	-.1088E+03	.3943E+04	.2027E+03	.6425E+03
.2662E+02	.1769E+02	.2779E+03	.3413E+03	.2555E+05	.2181E+04	.2662E+02	.1769E+02	.2779E+03	.3413E+03	.1218E+05	.1144E+04
.7876E+01	.5273E+01	-.9686E+01	-.3863E+03	.8857E+03	-.3089E+03	.7876E+01	.5273E+01	-.9686E+01	-.3863E+03	.3180E+03	-.6180E+03
-.1690E+03	-.1536E+03	.3113E+02	.1732E+04	.6477E+04	-.9815E+04	-.1690E+03	-.1536E+03	.3113E+02	.1732E+04	.8302E+04	-.8120E+03
-.2755E+02	.2122E+01	-.2586E+01	-.3897E+02	-.1518E+03	.2793E+03	-.2755E+02	.2122E+01	-.2586E+01	-.3897E+02	-.3034E+03	.1549E+03
.2853E+00	-.8303E+01	-.9684E+01	.1017E+03	-.1847E+02	-.7663E+03	.2853E+00	-.8303E+01	-.9684E+01	.1017E+03	-.2414E+02	-.2745E+03
-.2576E+02	.1481E+02	.6176E+01	-.5833E+03	.2270E+04	.1247E+04	-.2576E+02	.1481E+02	.6176E+01	-.5833E+03	.2632E+04	.3766E+03
-.1516E+02	-.2268E+02	.6322E+01	.2920E+03	.1738E+04	-.2268E+02	-.1516E+02	-.2268E+02	.6322E+01	.2920E+03	.2108E+04	-.9352E+03
-.4183E+02	.1700E+01	.4350E+02	.1405E+03	-.3217E+04	.3931E+03	-.4183E+02	.1700E+01	.4350E+02	.1405E+03	-.6632E+03	.2934E+03
.2610E+02	.3916E+00	-.6944E+02	-.1367E+03	.1584E+03	-.5354E+03	.2610E+02	.3916E+00	-.6944E+02	-.1367E+03	.3912E+04	-.5564E+03
-.2682E-01	-.4348E-04	.9238E-02	-.8591E-01	-.3057E+00	.9191E-01	-.2682E-01	-.4348E-04	.9238E-02	-.8591E-01	.2359E+00	.9444E-01
-.2571E+01	-.6220E+00	.1075E+02	.1071E+03	.9102E+03	-.4359E+02	-.2571E+01	-.6220E+00	.1075E+02	.1071E+03	.1540E+04	-.7134E+01
-.1089E+02	.6642E+01	.6226E+01	.9553E+02	.1893E+04	-.5602E+03	-.1089E+02	.6642E+01	.6226E+01	.9553E+02	.2258E+04	-.9495E+01
.1026E+02	.5127E+01	-.3544E+01	.1411E+03	-.1661E+04	-.8066E+03	.1026E+02	.5127E+01	-.3544E+01	.1411E+03	-.1869E+04	-.1107E+04
.8294E-02	.3760E-03	.1754E-01	.1857E+00	.1113E+01	-.1878E+00	.8294E-02	.3760E-03	.1754E-01	.1857E+00	.2142E+01	-.2098E+00
-.7944E+01	-.1465E+00	.1147E+02	.8469E+01	-.3994E+03	.3551E+02	-.7944E+01	-.1465E+00	.1147E+02	.8469E+01	.2728E+03	.3637E+03
.6693E+00	.2392E+00	.4216E+00	-.3797E+01	-.1681E+03	-.8321E+02	.6693E+00	.2392E+00	.4216E+00	-.3797E+01	-.1434E+03	-.9723E+02
.1350E+02	-.1161E+01	-.2071E+02	.3226E+02	-.2343E+03	.1194E+03	.1350E+02	-.1161E+01	-.2071E+02	.3226E+02	.1449E+04	.1674E+03
.8458E+01	.1454E+02	-.9362E+00	-.5745E+02	.3492E+01	-.8769E+03	.8458E+01	.1454E+02	-.9362E+00	-.5745E+02	-.5139E+02	-.1729E+04
-.6815E+02	.5515E+01	-.2681E+01	-.8791E+01	.1070E+03	-.2116E+03	-.6815E+02	.5515E+01	-.2681E+01	-.8791E+01	-.5020E+02	-.5349E+03
.2714E+02	.7727E+01	.4985E+01	-.6959E+02	-.7407E+03	-.1528E+03	.2714E+02	.7727E+01	.4985E+01	-.6959E+02	-.4485E+03	-.6058E+03
-.7527E+02	-.8500E+01	.4540E+01	.5162E+01	-.4843E+03	.6936E+02	-.7527E+02	-.8500E+01	.4540E+01	.5162E+01	-.5162E+01	-.5677E+03
.3870E+02	.3029E+01	.9732E+01	-.5763E+02	.3921E+03	-.1231E+03	.3870E+02	.3029E+01	.9732E+01	-.5763E+02	.9626E+03	-.3007E+03
.7998E+02	.1626E+01	.1666E+01	.5688E+02	-.7164E+03	-.3121E+03	.7998E+02	.1626E+01	.1666E+01	.5688E+02	-.6187E+03	-.4074E+03
-.3457E+01	-.4935E+01	-.7154E+00	.2616E+02	.6526E+02	-.2639E+03	-.3457E+01	-.4935E+01	-.7154E+00	.2616E+02	.2332E+02	.2547E+02
-.2455E+02	.2920E+01	-.2431E+02	-.4052E+02	.1707E+03	-.1203E+00	-.2455E+02	.2920E+01	-.2431E+02	-.4052E+02	-.1255E+04	-.1713E+03

SQUARE ROOT SLM OF THE SQUARES

.5254E+03	.3044E+03	.4099E+03	.1041E+05	.7164E+05	.3606E+05	.5254E+03	.3044E+03	.4099E+03	.1041E+05	.8383E+05	.4070E+05
CLOSELY SPACED MODE SUMMATION METHOD											
.5754E+03	.3273E+03	.4756E+03	.1066E+05	.7440E+05	.3719E+05	.5754E+03	.3273E+03	.4756E+03	.1066E+05	.8417E+05	.4064E+05

ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 25 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.9742E+02	-.1390E+03	-.4669E+02	-.1264E+05	-.5158E+04	.3959E+05	-.9742E+02	-.1390E+03	-.4669E+02	-.1264E+05	-.7895E+04	.4774E+05
.1419E+03	-.5975E+01	.3229E+03	.2363E+04	.8201E+05	-.1081E+04	.1419E+03	-.5975E+01	.3229E+03	.2363E+04	.1009E+06	-.7309E+03
.1716E+02	-.2525E+02	.1105E+02	-.2835E+03	-.4095E+03	-.4565E+03	.1716E+02	-.2525E+02	.1105E+02	-.2835E+03	.2383E+03	.1024E+04
.2351E+02	.4278E+02	.2533E+02	-.4137E+03	.1263E+04	-.1473E+03	.2351E+02	.4278E+02	.2533E+02	-.4137E+03	.2748E+04	-.2656E+04
-.4156E+03	.3351E+02	-.1951E+03	.1321E+03	.3021E+04	.1804E+03	-.4156E+03	.3351E+02	-.1951E+03	.1321E+03	-.7818E+04	-.1784E+04
-.3334E+03	-.2713E+03	-.2271E+03	.3872E+04	-.2027E+03	.9842E+03	-.3334E+03	-.2713E+03	-.2271E+03	.3872E+04	-.1352E+05	.1689E+05
.1516E+03	.2357E+02	-.4409E+03	.2402E+03	.1216E+05	.1169E+04	.1516E+03	.2357E+02	-.4409E+03	.2402E+03	-.1366E+05	-.2125E+03
.1540E+02	.5771E+01	-.1825E+02	-.3329E+03	.3180E+03	-.6495E+03	.1540E+02	.5771E+01	-.1825E+02	-.3329E+03	.7521E+03	-.9878E+03
.3949E+01	-.2217E+03	.9837E+02	.1796E+04	.6302E+04	-.6578E+03	.3949E+01	-.2217E+03	.9837E+02	.1796E+04	.1407E+05	.1234E+05
-.3731E+02	.4196E+01	.1487E+02	-.5234E+02	-.3034E+03	.1509E+03	-.3731E+02	.4196E+01	.1487E+02	-.5234E+02	.5684E+03	-.9507E+02
.6955E-01	-.1745E+02	.3380E+00	.1257E+03	-.2413E+02	-.2696E+03	.6955E-01	-.1745E+02	.3380E+00	.1257E+03	-.4325E+01	.7533E+03
-.3282E+02	.3603E+02	-.3515E+02	-.6141E+03	.2632E+04	.3262E+03	-.3282E+02	.3603E+02	-.3515E+02	-.6141E+03	.5712E+03	-.1766E+04
-.2363E+02	-.5469E+02	-.2835E+02	.3724E+03	.2108E+04	-.9061E+03	-.2363E+02	-.5469E+02	-.2835E+02	.3724E+03	.4459E+03	.2300E+04
-.6209E+02	.4361E+01	.3728E+02	.1147E+03	-.6632E+03	.3046E+03	-.6209E+02	.4361E+01	.3728E+02	.1147E+03	.1523E+04	.4893E+02
.6217E+02	.7272E+01	.1621E+02	-.8744E+02	-.3912E+04	-.5682E+03	.6217E+02	.7272E+01	.1621E+02	-.8744E+02	-.2962E+04	-.9945E+03
-.1883E-01	.2550E-02	.4157E-02	-.9382E-01	.2359E+00	.8601E-01	-.1883E-01	.2550E-02	.4157E-02	-.9382E-01	.4796E+00	-.6291E-01
-.1616E+01	.7939E+00	-.1758E+02	.1074E+03	.1540E+04	.2243E+01	-.1616E+01	.7939E+00	-.1758E+02	.1074E+03	.5097E+03	-.4430E+02
-.6067E+01	.3159E+02	-.3239E+02	.1780E+03	.2258E+04	-.9376E+03	-.6067E+01	.3159E+02	-.3239E+02	.1780E+03	.3591E+03	-.2740E+04
.7719E+01	.3694E+02	.2794E+02	.2371E+03	-.1849E+04	-.1091E+04	.7719E+01	.3694E+02	.2794E+02	.2371E+03	-.2309E+03	-.3256E+04
.4930E-02	-.8087E-02	-.2498E-01	.2033E+00	.2102E+01	-.1928E+00	.4930E-02	-.8087E-02	-.2498E-01	.2033E+00	.6772E+00	.2813E+00
-.9755E+01	.7613E+01	.7333E+01	-.2330E+02	.2728E+03	.3630E+03	-.9755E+01	.7613E+01	.7333E+01	-.2330E+02	.5288E+03	-.8327E+02
.2223E+00	-.1764E+01	.2930E+01	.4701E+01	.1434E+03	-.9719E+02	.2223E+00	-.1764E+01	.2930E+01	.4701E+01	.2845E+02	.6258E+01
.1535E+02	.3636E+01	.1205E+02	.1580E+02	-.1494E+04	.1895E+03	.1535E+02	.3636E+01	.1205E+02	.1580E+02	-.7424E+02	-.2364E+02
.8249E+01	-.3243E+02	-.2151E+00	.9367E+02	-.5139E+02	-.1728E+04	.8249E+01	-.3243E+02	-.2151E+00	.9367E+02	-.6400E+02	.1732E+03
-.6684E+02	-.9508E+01	.2983E+01	.3792E+02	.5020E+02	-.5336E+03	-.6684E+02	-.9508E+01	.2983E+01	.3792E+02	.1247E+03	.2380E+02
.2790E+02	-.1050E+02	.1291E+02	-.1647E+02	-.4485E+03	-.6096E+03	.2790E+02	-.1050E+02	.1291E+02	-.1647E+02	.3086E+03	.9556E+01
-.8150E+02	.1924E+02	.1340E+02	-.4430E+02	-.2181E+03	.5659E+03	-.8150E+02	.1924E+02	.1340E+02	-.4430E+02	.5673E+03	-.3418E+02
.3128E+02	-.4256E+01	-.1731E+02	-.3058E+02	.9626E+03	-.3045E+03	.3128E+02	-.4256E+01	-.1731E+02	-.3058E+02	-.5202E+02	-.5500E+02
.7266E+02	-.8105E+01	.1287E+02	.9220E+02	-.6187E+03	-.4008E+03	.7266E+02	-.8105E+01	.1287E+02	.9220E+02	.1361E+03	.7436E+02
-.1353E+01	-.7756E+00	-.1106E+01	.2384E+02	.2332E+02	.2706E+02	-.1353E+01	-.7756E+00	-.1106E+01	.2384E+02	-.4151E+02	.7313E+02
-.1809E+02	-.2368E+01	.1378E+02	-.2542E+02	-.1255E+04	-.1742E+03	-.1809E+02	-.2368E+01	.1378E+02	-.2542E+02	-.4463E+03	-.3533E+02



.975E+01	.7613E+01	.4333E+01	.2728E+03	.3630E+03	.9755E+01	.7613E+01	.4333E+01	.2330E+02	.58E+03	.8327E+02
.2223E+00	.1764E+01	.2930E+01	.4701E+01	.1434E+03	.9719E+02	.2223E+00	.1764E+01	.2930E+01	.4701E+01	.2845E+02
.535E+02	.3036E+01	.1205E+02	.1580E+02	.1449E+04	.1895E+03	.535E+02	.3036E+01	.1205E+02	.1580E+02	.7424E+03
.449E+01	.3243E+02	.2151E+00	.9367E+02	.5139E+02	.1728E+04	.249E+01	.3243E+02	.2151E+00	.9367E+02	.2364E+02
.684E+02	.9508E+01	.2983E+01	.3792E+02	.5020E+02	.5336E+03	.684E+02	.9508E+01	.2983E+01	.3792E+02	.1247E+03
.2796E+02	.1056E+02	.1291E+02	.1647E+02	.4485E+03	.6096E+03	.2796E+02	.1056E+02	.1291E+02	.1647E+02	.3086E+03
.8150E+02	.1024E+02	.1340E+02	.4430E+02	.2181E+03	.5659E+03	.8150E+02	.1024E+02	.1340E+02	.4439E+02	.5673E+03
.3728E+02	.4256E+01	.1731E+02	.3058E+02	.9626E+03	.3045E+03	.3728E+02	.4256E+01	.1731E+02	.3058E+02	.5202E+02
.7266E+02	.8105E+01	.1287E+02	.9220E+02	.6147E+03	.4008E+03	.7266E+02	.8105E+01	.1287E+02	.9220E+02	.1361E+03
.1353E+01	.7756E+00	.1106E+01	.2364E+02	.2532E+02	.2766E+02	.1353E+01	.7756E+00	.1106E+01	.2364E+02	.4151E+02
.1809E+02	.2368E+01	.1378E+02	.2542E+02	.1255E+04	.1742E+03	.1809E+02	.2368E+01	.1378E+02	.2542E+02	.4443E+03

SQUARE ROOT SUM OF THE SQUARES

.9047E+03	.3935E+03	.6591E+03	.1359E+05	.8383E+05	.3975E+05	.6047E+03	.3935E+03	.6391E+03	.1359E+05	.1044E+06	.5251E+05
.7176E+03	.4298E+03	.8033E+03	.1375E+05	.8417E+05	.3990E+05	.7176E+03	.4298E+03	.8033E+03	.1375E+05	.1066E+06	.5324E+05

ELEMENT TYPE (3/0 P I P E

) / / / ELEMENT NUMBER ( 26)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.2771E+03	.1327E+04	.9109E+02	.1675E+05	.7895E+04	.4646E+05	.2771E+03	.1327E+04	.9109E+02	.1675E+05	.2555E+04	.3136E+05
.4035E+03	.2909E+02	.1288E+04	.2418E+04	.1009E+06	.5225E+03	.4035E+03	.2909E+02	.1288E+04	.2418E+04	.2540E+05	.2228E+04
.8809E+00	.5721E+01	.3745E+01	.3715E+03	.2383E+03	.9955E+03	.8809E+00	.5721E+01	.3745E+01	.3715E+03	.1876E+02	.6601E+03
.7300E+01	.1213E+02	.1929E+02	.1811E+03	.2748E+04	.2681E+04	.7300E+01	.1213E+02	.1929E+02	.1811E+03	.1617E+04	.1971E+04
.5164E+02	.6156E+01	.1322E+03	.2868E+03	.7818E+04	.1766E+04	.5164E+02	.6156E+01	.1322E+03	.2868E+03	.8863E+02	.1405E+04
.1688E+03	.6811E+02	.1816E+03	.2365E+04	.1352E+05	.1716E+05	.1688E+03	.6811E+02	.1816E+03	.2365E+04	.2873E+04	.1317E+05
.2790E+03	.1345E+02	.1191E+02	.2578E+03	.1366E+05	.1908E+03	.2790E+03	.1345E+02	.1191E+02	.2578E+03	.2518E+05	.9790E+03
.1105E+02	.6419E+02	.1312E+01	.2456E+03	.7521E+03	.1613E+04	.1105E+02	.6419E+02	.1312E+01	.2456E+03	.6752E+03	.2751E+04
.5489E+03	.4240E+02	.2237E+03	.7159E+03	.1407E+05	.1245E+05	.5489E+03	.4240E+02	.2237E+03	.7159E+03	.9514E+03	.9902E+04
.1668E+02	.1662E+01	.3195E+02	.4387E+02	.5684E+03	.9926E+02	.1668E+02	.1662E+01	.3195E+02	.4387E+02	.1305E+04	.1793E+01
.4422E+00	.2745E+01	.4071E+00	.5967E+02	.4325E+01	.7614E+03	.4422E+00	.2745E+01	.4071E+00	.5967E+02	.2820E+02	.6005E+03
.2434E+02	.7831E+01	.1213E+02	.4564E+03	.5712E+03	.1833E+04	.2434E+02	.7831E+01	.1213E+02	.4564E+03	.1262E+04	.1374E+04
.1387E+02	.6260E+01	.1227E+02	.1709E+03	.4459E+03	.2324E+04	.1387E+02	.6260E+01	.1227E+02	.1709E+03	.1166E+04	.1957E+04
.5222E+02	.1252E+02	.9231E+02	.1100E+03	.1523E+04	.5222E+02	.5222E+02	.1252E+02	.9231E+02	.1100E+03	.0935E+04	.7925E+03
.4171E+02	.3878E+02	.9107E+02	.5846E+00	.2962E+04	.9984E+03	.4171E+02	.3878E+02	.9107E+02	.5846E+00	.8301E+04	.1275E+04
.2266E+01	.5391E+02	.1328E+01	.8799E+01	.4796E+00	.7084E+01	.2266E+01	.5391E+02	.1328E+01	.8799E+01	.1258E+01	.3869E+00
.2671E+01	.6393E+01	.3621E+01	.1108E+03	.5097E+03	.3480E+02	.2671E+01	.6393E+01	.3621E+01	.1108E+03	.2856E+03	.3400E+03
.7944E+01	.9752E+02	.2591E+02	.4201E+03	.3591E+03	.2764E+04	.7944E+01	.9752E+02	.2591E+02	.4201E+03	.1160E+04	.2954E+04
.7366E+01	.1241E+03	.2463E+02	.5195E+03	.2309E+03	.3223E+04	.7366E+01	.1241E+03	.2463E+02	.5195E+03	.1213E+04	.4053E+04
.6697E+02	.4846E+02	.8272E+02	.1781E+00	.6772E+00	.2980E+00	.6697E+02	.4846E+02	.8272E+02	.1781E+00	.1922E+00	.1307E+01
.1060E+02	.4329E+01	.1222E+02	.1596E+02	.5268E+03	.2498E+02	.1060E+02	.4329E+01	.1222E+02	.1596E+02	.1243E+04	.3388E+03
.1075E+00	.2547E+00	.3503E+01	.4139E+01	.2845E+02	.6643E+01	.1075E+00	.2547E+00	.3503E+01	.4139E+01	.2338E+03	.8288E+01
.1523E+02	.3321E+00	.3873E+01	.1780E+02	.7424E+03	.2217E+02	.1523E+02	.3321E+00	.3873E+01	.1780E+02	.5153E+03	.4164E+02
.8424E+01	.9982E+00	.3197E+00	.7824E+02	.6400E+02	.1807E+03	.8424E+01	.9982E+00	.3197E+00	.7824E+02	.4520E+02	.1222E+03
.6755E+02	.2549E+02	.6010E+01	.3570E+02	.1247E+03	.2701E+02	.6755E+02	.2549E+02	.6010E+01	.3570E+02	.2277E+03	.1180E+02
.2626E+02	.3429E+01	.2061E+02	.1732E+01	.3086E+03	.8089E+01	.2626E+02	.3429E+01	.2061E+02	.1732E+01	.1517E+04	.1930E+03
.8003E+02	.4259E+01	.7970E+01	.4125E+02	.5673E+03	.3791E+02	.8003E+02	.4259E+01	.7970E+01	.4125E+02	.1035E+04	.2116E+03
.3003E+02	.8802E+00	.1260E+02	.2568E+02	.5202E+02	.5745E+02	.3003E+02	.8802E+00	.1260E+02	.2568E+02	.7907E+03	.5842E+01
.7298E+02	.1610E+02	.2811E+02	.8538E+02	.1361E+03	.8210E+02	.7298E+02	.1618E+02	.2811E+02	.8538E+02	.1550E+04	.1031E+04
.1580E+01	.1405E+02	.1702E+01	.1738E+02	.4151E+02	.7493E+02	.1580E+01	.1405E+02	.1702E+01	.1738E+02	.1413E+03	.8964E+03
.1465E+02	.7401E+00	.7401E+01	.2225E+02	.4463E+03	.3741E+02	.1465E+02	.7401E+00	.7401E+01	.2225E+02	.1239E+02	.8080E+02

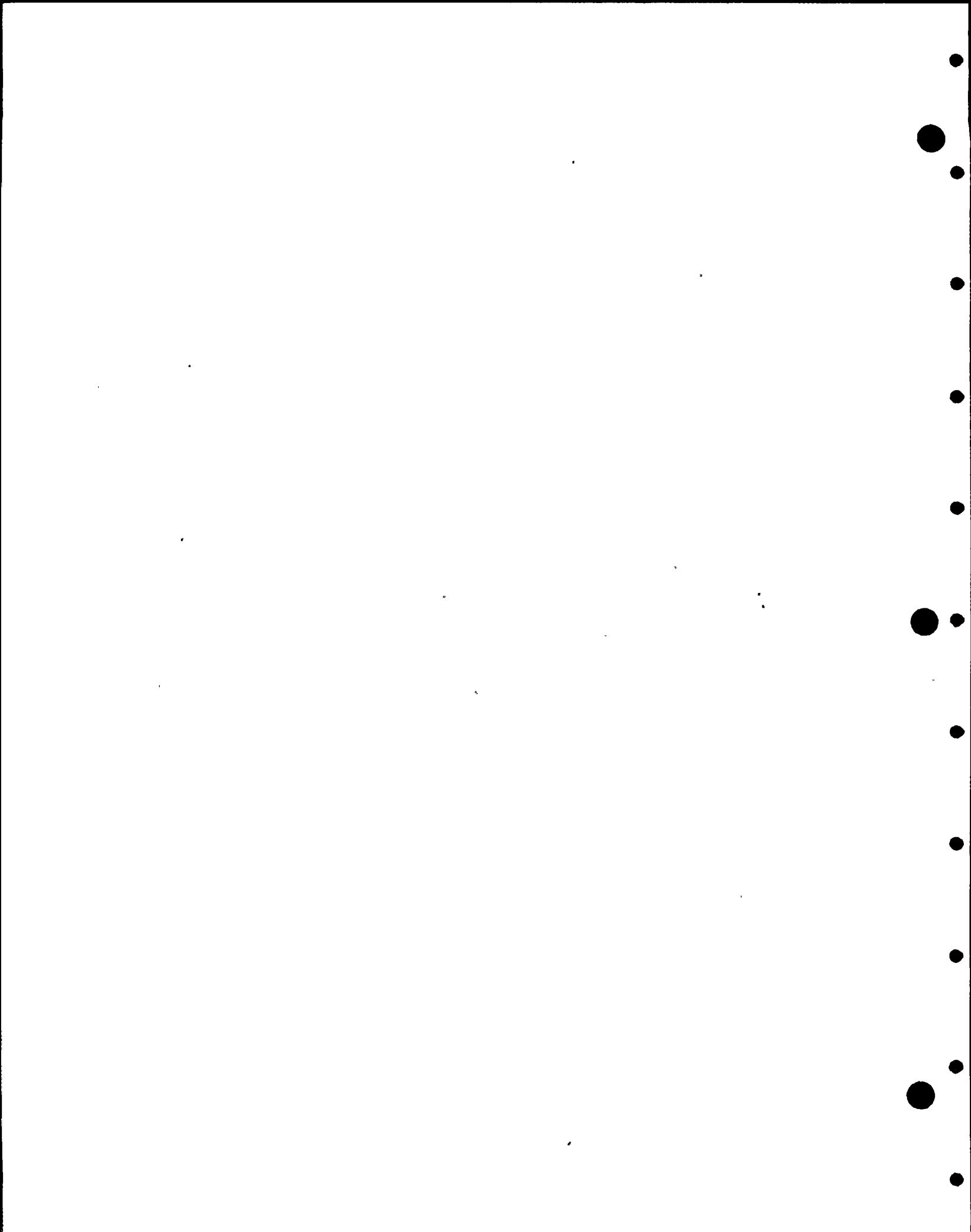
SQUARE ROOT SUM OF THE SQUARES

.8218E+03	.1342E+04	.1338E+04	.1714E+05	.1044E+06	.5147E+05	.8218E+03	.1342E+04	.1338E+04	.1714E+05	.3167E+05	.3622E+05
.9007E+03	.1355E+04	.1343E+04	.1722E+05	.1066E+06	.5220E+05	.9007E+03	.1355E+04	.1343E+04	.1722E+05	.3350E+05	.3796E+05

ELEMENT TYPE (3/0 P I P E

) / / / ELEMENT NUMBER ( 27)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.2783E+03	.1300E+04	.5966E+02	.1395E+05	.2555E+04	.3270E+05	.2783E+03	.1300E+04	.5966E+02	.1395E+05	.9433E+03	.1089E+06
.4742E+03	.2835E+02	.1014E+04	.2603E+04	.2540E+05	.2009E+04	.4742E+03	.2835E+02	.1014E+04	.2603E+04	.3407E+05	.3671E+04
.2640E+01	.6068E+01	.1784E+01	.4277E+03	.1376E+02	.6252E+03	.2640E+01	.6068E+01	.1784E+01	.4277E+03	.8585E+02	.2694E+03
.1047E+02	.1295E+02	.1369E+02	.6531E+01	.1017E+04	.1979E+04	.1047E+02	.1295E+02	.1369E+02	.6531E+01	.8143E+03	.1220E+04
.2510E+02	.6959E+01	.7091E+02	.4083E+03	.6863E+02	.1375E+04	.2510E+02	.6959E+01	.7091E+02	.4083E+03	.4069E+04	.9670E+03
.6165E+02	.7636E+02	.9851E+02	.1230E+04	.2873E+04	.1333E+05	.6165E+02	.7636E+02	.9851E+02	.1230E+04	.2902E+04	.8851E+04
.1612E+03	.1004E+02	.4160E+02	.3422E+03	.1436E+05	.9528E+03	.1612E+03	.1004E+02	.4160E+02	.3422E+03	.1680E+05	.1542E+04
.3738E+01	.5409E+02	.8706E+00	.4807E+03	.6752E+03	.2719E+04	.3738E+01	.5409E+02	.8706E+00	.4807E+03	.7263E+03	.5890E+04
.3702E+03	.5151E+02	.1291E+03	.1558E+03	.9514E+03	.9986E+04	.3702E+03	.5151E+02	.1291E+03	.1558E+03	.6019E+04	.6906E+04
.2810E+02	.1580E+01	.3538E+01	.1305E+04	.5613E+01	.2836E+02	.2810E+02	.1580E+01	.3538E+01	.1305E+04	.4355E+02	.8700E+02
.2078E+00	.3644E+01	.9935E+01	.7058E+01	.2820E+02	.6034E+03	.2078E+00	.3644E+01	.9935E+01	.7058E+01	.2237E+02	.3894E+03









732E+01	-4932E+01	1583E+01	344E+02	9787E+01	4220E+03	7320E+01	-4932E+01	1583E+01	3004E+02	126E+03	7112E+03
-6261E+02	-1880E+01	-1861E+01	2351E+02	-1668E+02	1276E+03	-6261E+02	-1880E+01	-1861E+01	2351E+02	-126E+03	2378E+03
229E+02	-4631E+01	-1637E+02	-7111E+01	4043E+03	7745E+02	3029E+02	-4631E+01	-1637E+02	-7111E+01	-5532E+03	3490E+03
03E+02	5115E+01	-2055E+02	-5129E+02	703E+02	-9729E+02	703E+02	5115E+01	-2055E+02	-5129E+02	-9773E+03	-3971E+03
394E+02	-8139E+00	8597E+01	-2843E+02	-4619E+03	3732E+02	3394E+02	-8139E+00	8597E+01	-2843E+02	-4213E+02	8504E+02
6340E+02	1097E+02	-1560E+02	-386E+02	3145E+03	3888E+03	6340E+02	1097E+02	-1560E+02	-386E+02	-6002E+03	-2545E+03
5854E+02	1301E+02	2300E+01	-7246E+02	-7013E+01	1278E+03	5854E+02	1301E+02	2300E+01	-7246E+02	1278E+03	-6351E+03
-1701E+02	-2092E+01	8295E+01	-1857E+02	5589E+03	3876E+02	-1701E+02	-2092E+01	8295E+01	-1857E+02	1045E+04	1614E+03

SQUARE ROOT SLM CF THE SQUARES

7572E+03	1305E+04	9957E+03	5534E+04	3938E+05	1107E+06	7572E+03	1305E+04	9957E+03	5534E+04	9556E+05	1864E+06
CLOSELY SPACED MODE SUMMATION METHOD											
7839E+03	1309E+04	1004E+04	5818E+04	4167E+05	1114E+06	7839E+03	1309E+04	1004E+04	5818E+04	9780E+05	1869E+06

ELEMENT TYPE (3/D P I P E) / / / ELEMENT NUMBER ( 29)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-2764E+03	1272E+04	-2803E+01	1183E+05	3007E+04	-1656E+06	-2764E+03	1272E+04	-2803E+01	1183E+05	2843E+04	-2602E+06
5272E+03	2752E+02	-4327E+03	3346E+04	-9090E+05	-4818E+04	5272E+03	2752E+02	-4327E+03	3346E+04	-1163E+06	-6432E+04
4438E+01	6619E+01	4469E+00	-4369E+03	-1756E+03	-1633E+03	4438E+01	6619E+01	4469E+00	-4369E+03	-1494E+03	-5514E+03
1333E+02	-1421E+02	-6603E+01	1372E+03	6813E+02	-4464E+03	1333E+02	-1421E+02	-6603E+01	1372E+03	-3190E+03	3869E+03
-8432E+02	8140E+01	-1115E+02	5345E+03	8102E+04	-4749E+03	-8432E+02	8140E+01	-1115E+02	5345E+03	7448E+04	2285E+01
-2655E+02	2869E+02	-6313E+01	0467E+02	8971E+04	4471E+04	-2655E+02	2869E+02	-6313E+01	0467E+02	8600E+04	-7285E+03
-5016E+02	7065E+01	4610E+02	6561E+03	-2005E+05	-2045E+04	-5016E+02	7065E+01	4610E+02	6561E+03	-1735E+05	-2459E+04
3225E+01	-4711E+02	6409E+00	-1777E+04	7962E+03	6875E+04	3225E+01	-4711E+02	6409E+00	-1777E+04	-7469E+03	1164E+05
-2163E+03	5844E+02	2335E+02	-1100E+04	-1665E+05	3824E+04	-2163E+03	5844E+02	2335E+02	-1100E+04	-1468E+05	-3584E+02
-4664E+02	-1823E+01	1816E+02	-6608E+02	-1863E+04	1704E+03	-4664E+02	-1823E+01	1816E+02	-6608E+02	-7988E+03	2773E+03
-1758E+00	5531E+01	3280E+00	-4211E+02	-1551E+02	1723E+03	-1758E+00	5531E+01	3280E+00	-4211E+02	3719E+01	-1520E+03
-2395E+02	-1374E+02	-1347E+02	-2293E+03	-5522E+03	-3505E+03	-2395E+02	-1374E+02	-1347E+02	-2293E+03	-1342E+04	4553E+03
-1720E+02	1695E+02	-1253E+02	-1901E+03	-3023E+03	7612E+03	-1720E+02	1695E+02	-1253E+02	-1901E+03	-1038E+04	-2044E+03
-4723E+02	-5754E+01	-8368E+02	-2024E+03	5676E+04	1580E+04	-4723E+02	-5754E+01	-8368E+02	-2024E+03	7585E+03	1917E+04
-2119E+01	-1951E+02	9037E+02	-6044E+03	-1514E+04	3310E+04	-2119E+01	-1951E+02	9037E+02	-6044E+03	3785E+04	4453E+04
-8354E+02	7111E+03	-1387E+01	4035E+01	3993E+00	-5075E+00	-8354E+02	7111E+03	-1387E+01	4035E+01	-4140E+00	-6242E+00
6240E+01	-1159E+02	4777E+01	-2880E+02	-1179E+04	7204E+03	6240E+01	-1159E+02	4777E+01	-2880E+02	-8990E+03	1400E+04
-4097E+01	1091E+03	2695E+02	-3342E+03	-2166E+04	2773E+04	-4097E+01	1091E+03	2695E+02	-3342E+03	-5853E+03	-3625E+04
5882E+01	1061E+03	-2531E+02	-5819E+03	1843E+04	4310E+04	5882E+01	1061E+03	-2531E+02	-5819E+03	3561E+03	-1909E+04
8968E+02	3609E+02	1252E+01	1813E+00	-1741E+01	-3851E+01	8968E+02	3609E+02	1252E+01	1813E+00	-1007E+01	-2501E+00
-1324E+01	-3437E+01	-8288E+01	7533E+02	-3058E+03	-3544E+03	-1324E+01	-3437E+01	-8288E+01	7533E+02	-7917E+03	-1529E+03
7317E+00	6917E+00	-3165E+01	4948E+01	1065E+03	2148E+01	7317E+00	6917E+00	-3165E+01	4948E+01	8109E+02	-3841E+02
6114E+01	-1241E+01	-1440E+02	3456E+02	1511E+04	-6557E+02	6114E+01	-1241E+01	-1440E+02	3456E+02	6663E+03	-1279E+02
6098E+01	1306E+02	-1045E+01	-3151E+02	1026E+03	7111E+03	6098E+01	1306E+02	-1045E+01	-3151E+02	4127E+02	-5451E+02
-5475E+02	4310E+01	4377E+01	2676E+01	-1258E+03	2339E+03	-5475E+02	4310E+01	4377E+01	2676E+01	1308E+03	-1376E+02
3436E+02	5784E+01	4953E+01	3752E+02	-5532E+03	3470E+03	3436E+02	5784E+01	4953E+01	3752E+02	-8436E+03	7879E+01
-6690E+02	-6418E+01	7044E+01	-1645E+02	-9773E+03	-4001E+03	-6690E+02	-6418E+01	7044E+01	-1645E+02	-5643E+03	-2384E+02
2317E+02	1981E+01	6064E+01	-3574E+02	4213E+02	2223E+02	2317E+02	1981E+01	6064E+01	-3574E+02	3977E+03	-3342E+02
4977E+02	-3469E+01	-2774E+01	-1651E+02	-6002E+03	-2569E+03	4977E+02	-3469E+01	-2774E+01	-1651E+02	7629E+03	-5346E+02
1703E+01	-9221E+01	-1204E+01	-1679E+02	1278E+03	-6390E+03	1703E+01	-9221E+01	-1204E+01	-1679E+02	5722E+02	-9834E+02
-6641E+01	2022E+01	-2095E+02	-3258E+02	1045E+04	1592E+03	-6641E+01	2022E+01	-2095E+02	-3258E+02	-1833E+03	5461E+01

SQUARE ROOT SLM CF THE SQUARES

6556E+03	1287E+04	4563E+03	1254E+05	9556E+05	1861E+06	6556E+03	1287E+04	4563E+03	1254E+05	1191E+06	2606E+06
CLOSELY SPACED MODE SUMMATION METHOD											
6729E+03	1301E+04	4598E+03	1283E+05	9780E+05	1865E+06	6729E+03	1301E+04	4598E+03	1283E+05	1206E+06	2608E+06

ELEMENT TYPE (3/D P I P E) / / / ELEMENT NUMBER ( 30)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-2751E+03	-1283E+04	-2684E+02	3442E+05	2843E+04	-2582E+06	-2751E+03	-1283E+04	-2684E+02	3442E+05	1269E+04	-1829E+06
5629E+03	1215E+02	-3852E+03	3893E+04	-1163E+06	-6116E+04	5629E+03	1215E+02	-3852E+03	3893E+04	-1389E+06	-6829E+04
4382E+01	-2306E+01	8314E+00	-3873E+03	-1494E+03	-5873E+03	4382E+01	-2306E+01	8314E+00	-3873E+03	-1006E+03	-4521E+03
1386E+02	1362E+01	-5418E+01	3190E+03	3974E+03	1386E+02	1386E+02	1362E+01	-5418E+01	3190E+03	-6367E+03	3175E+03
-6201E+02	8121E+00	-1888E+02	5322E+03	7248E+04	4878E+02	-6201E+02	8121E+00	-1888E+02	5322E+03	6341E+04	1167E+01
-2789E+02	1345E+02	-8773E+01	1278E+03	8600E+04	-7201E+03	-2789E+02	1345E+02	-8773E+01	1278E+03	8046E+04	-1509E+04
-5398E+02	-4660E+02	4156E+02	8674E+03	-1735E+05	-2393E+04	-5398E+02	-4660E+02	4156E+02	8674E+03	-1492E+05	3394E+03
3538E+01	1582E+03	1153E+01	-2783E+04	7469E+03	1144E+05	3538E+01	1582E+03	1153E+01	-2783E+04	-6743E+03	2160E+04
-2175E+03	7167E+01	4445E+01	-1093E+04	-1468E+05	-1314E+03	-2175E+03	7167E+01	4445E+01	-1093E+04	-1442E+05	-5516E+03
-4804E+02	2172E+01	1403E+02	-8995E+02	-7988E+03	2705E+03	-4804E+02	2172E+01	1403E+02	-8995E+02	2397E+02	1431E+03
-2037E+00	-9177E+00	3114E+00	-2872E+02	3719E+01	-1551E+03	-2037E+00	-9177E+00	3114E+00	-2872E+02	2198E+02	-1013E+03
-2269E+02	6168E+01	-1551E+02	-2680E+03	-1342E+04	4336E+03	-2269E+02	6168E+01	-1551E+02	-2680E+03	-2251E+04	7201E+02
-1605E+02	1042E+01	-1398E+02	-1712E+03	-1038E+04	-2251E+03	-1605E+02	1042E+01	-1398E+02	-1712E+03	-1857E+04	-2682E+03
-3075E+02	4672E+02	-8767E+02	-3685E+03	7585E+03	1892E+04	-3075E+02	4672E+02	-8767E+02	-3685E+03	-4382E+04	-8467E+03



1362E+02	1362E+02	5418E+01	30E+03	3193E+03	3974E+03	1386E+02	136E+01	5418E+01	1030E+03	667E+03	3175E+03
801E+02	812E+00	1888E+02	5322E+03	7408E+04	4878E+02	8801E+02	812E+00	1888E+02	5322E+03	654E+04	1167E+01
789E+02	1345E+02	8773E+01	1278E+03	8600E+04	7201E+03	789E+02	1345E+02	8773E+01	1278E+03	8006E+04	1509E+04
98E+02	4660E+02	4156E+02	8676E+03	1735E+05	2393E+04	398E+02	4660E+02	4156E+02	8676E+03	1492E+05	3394E+03
538E+01	1582E+03	1153E+01	2783E+04	7469E+03	1144E+05	3538E+01	1582E+03	1153E+01	2783E+04	6793E+03	2160E+04
2175E+03	7167E+01	3445E+01	1093E+04	1468E+05	1314E+03	2175E+03	7167E+01	3445E+01	1093E+04	1442E+05	5516E+03
204E+02	2172E+01	1403E+02	8995E+02	7988E+03	2705E+03	4804E+02	2172E+01	1403E+02	8995E+02	2397E+02	1431E+03
2037E+00	9177E+00	3114E+00	2872E+02	3719E+01	1551E+03	2037E+00	9177E+00	3114E+00	2872E+02	2198E+02	1013E+03
2269E+02	6168E+01	1551E+02	2680E+03	1342E+04	4336E+03	2269E+02	6168E+01	1551E+02	2680E+03	2251E+04	7201E+02
1605E+02	1042E+01	1398E+02	1712E+03	1038E+04	2251E+03	1605E+02	1042E+01	1398E+02	1712E+03	1857E+04	2862E+03
3675E+02	4672E+02	8767E+02	3685E+03	7585E+03	1892E+04	3675E+02	4672E+02	8767E+02	3685E+03	4382E+04	8467E+03
9673E+01	160E+03	8984E+02	9896E+03	3785E+04	4384E+04	9673E+01	160E+03	8984E+02	9896E+03	9052E+04	5465E+04
711E+02	2377E+01	1455E+01	949E+01	410E+00	6233E+00	711E+02	2377E+01	1455E+01	949E+01	1267E+01	7823E+00
5001E+01	6138E+02	5302E+01	1506E+03	899E+03	1392E+04	5001E+01	6138E+02	5302E+01	1506E+03	5881E+03	2266E+04
627E+01	696E+02	2650E+02	1757E+02	5853E+03	3640E+04	627E+01	696E+02	2650E+02	1757E+02	9681E+03	4455E+03
862E+01	236E+02	2470E+02	413E+03	3567E+03	1953E+04	862E+01	236E+02	2470E+02	413E+03	1091E+04	3341E+04
7845E+00	1632E+01	1326E+01	2024E+00	1070E+01	2334E+00	7845E+00	1632E+01	1326E+01	2024E+00	2302E+00	7234E+00
5979E+02	9074E+01	8372E+01	8834E+02	7917E+03	1457E+03	5979E+02	9074E+01	8372E+01	8834E+02	1262E+04	3862E+03
1004E+01	1261E+01	3089E+01	8271E+01	8169E+02	3783E+02	1004E+01	1261E+01	3089E+01	8271E+01	2622E+03	3611E+02
7344E+01	4996E+00	1382E+02	3554E+02	6663E+02	9737E+01	7344E+01	4996E+00	1382E+02	3554E+02	1437E+03	1955E+02
6166E+01	1088E+01	5109E+00	2667E+02	4127E+02	5684E+02	6166E+01	1088E+01	5109E+00	2667E+02	1132E+02	6927E+01
5492E+02	9973E+00	4036E+00	3863E+01	1308E+03	1348E+02	5492E+02	9973E+00	4036E+00	3863E+01	1071E+03	7195E+02
3466E+02	8487E+01	1945E+01	3807E+02	6436E+03	4584E+01	3466E+02	8487E+01	1945E+01	3807E+02	9577E+03	2676E+03
6726E+02	4597E+01	1197E+01	1431E+02	5643E+03	2518E+02	6726E+02	4597E+01	1197E+01	1431E+02	4941E+03	2947E+03
2255E+02	2795E+01	8057E+01	3265E+02	3977E+03	3690E+02	2255E+02	2795E+01	8057E+01	3265E+02	8701E+03	2007E+03
5002E+02	2371E+02	1584E+01	1180E+02	7629E+03	5071E+02	5002E+02	2371E+02	1584E+01	1180E+02	6700E+03	1445E+04
1801E+01	1101E+02	1052E+01	8170E+01	5722E+02	9433E+02	1801E+01	1101E+02	1052E+01	8170E+01	4437E+01	7452E+03
4793E+01	2124E+01	2145E+02	3293E+02	1633E+03	2606E+01	4793E+01	2124E+01	2145E+02	3293E+02	1441E+04	1219E+03

SQUARE ROOT SUM OF THE SQUARES

6843E+03	1310E+04	4121E+03	3481E+05	1191E+06	2586E+06	6843E+03	1310E+04	4121E+03	3481E+05	1412E+06	1832E+06
CLOSELY SPACED MODE SUMMATION METHOD											
7010E+03	1321E+04	4160E+03	3497E+05	1206E+06	2597E+06	7010E+03	1321E+04	4160E+03	3497E+05	1423E+06	1832E+06

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 31)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-2606E+03	-1178E+04	-6816E+02	5025E+05	1269E+04	-1792E+06	-2606E+03	-1178E+04	-6816E+02	5025E+05	-2726E+04	-1102E+06
369E+03	1471E+02	2455E+03	4474E+04	-1389E+06	-6463E+04	369E+03	1471E+02	2455E+03	4474E+04	-1245E+06	-7325E+04
5400E+01	-2203E+01	2285E+01	-3464E+03	-1006E+03	-442E+03	5400E+01	-2203E+01	2285E+01	-3464E+03	3333E+02	-3550E+03
1391E+02	1329E+01	1435E+01	7494E+02	-6367E+03	3253E+03	1391E+02	1329E+01	1435E+01	7494E+02	-5526E+03	2474E+03
-1270E+03	1322E+01	-8513E+02	3301E+03	6341E+04	-4700E+02	-1270E+03	1322E+01	-8513E+02	3301E+03	1351E+04	-2988E+02
-8222E+02	9302E+01	-1014E+03	2590E+03	808E+04	-1492E+04	-8222E+02	9302E+01	-1014E+03	2590E+03	2141E+04	-2037E+04
2312E+02	-3335E+02	1560E+03	8346E+03	-1493E+05	4138E+03	2312E+02	-3335E+02	1560E+03	8346E+03	-5769E+04	2369E+04
1033E+02	1108E+03	2387E+01	-2966E+04	-6793E+03	1909E+04	1033E+02	1108E+03	2387E+01	-2966E+04	-5394E+03	-4587E+04
-1231E+03	2214E+01	1654E+03	1040E+03	1442E+05	-6408E+03	-1231E+03	2214E+01	1654E+03	1040E+03	-4726E+04	-7746E+03
-6953E+02	9586E+00	1192E+02	-1021E+03	2397E+02	1347E+03	-6953E+02	9586E+00	1192E+02	-1021E+03	7227E+03	7855E+02
-5688E+00	-5836E+00	3088E+01	-1977E+02	2198E+02	-1034E+03	-5688E+00	-5836E+00	3088E+01	-1977E+02	2379E+02	-6921E+02
-2528E+02	2570E+01	9279E+01	-2733E+03	-2251E+04	4835E+02	-2528E+02	2570E+01	9279E+01	-2733E+03	-1707E+04	-1023E+03
-1948E+02	-3714E+01	6572E+01	-1456E+03	-1857E+04	-3001E+03	-1948E+02	-3714E+01	6572E+01	-1456E+03	-1472E+04	-2979E+03
-2392E+02	1666E+02	-2225E+02	-2932E+03	-4382E+04	-8756E+03	-2392E+02	1666E+02	-2225E+02	-2932E+03	-5686E+04	-1852E+04
-2964E+02	4342E+02	-2680E+02	5090E+03	9052E+04	-5531E+04	-2964E+02	4342E+02	-2680E+02	5090E+03	7401E+04	-8076E+04
1625E+03	-6079E+02	3026E+02	2631E+01	-1267E+01	7670E+00	1625E+03	-6079E+02	3026E+02	2631E+01	-1089E+01	1144E+01
5240E+01	7249E+01	1292E+02	4254E+02	-5001E+03	-2211E+04	5240E+01	7249E+01	1292E+02	4254E+02	1693E+03	-2636E+04
-1147E+02	-7777E+01	1098E+02	-5637E+02	9681E+03	-4422E+03	-1147E+02	-7777E+01	1098E+02	-5637E+02	1612E+04	8982E+03
1289E+02	-3411E+01	-7425E+01	-1205E+03	-1091E+04	-3364E+04	1289E+02	-3411E+01	-7425E+01	-1205E+03	-1527E+04	-3185E+04
1621E+02	1139E+02	1611E+01	1385E+00	-2302E+00	7383E+00	1621E+02	1139E+02	1611E+01	1385E+00	7145E+00	6715E+00
9109E+00	1160E+01	1474E+02	5431E+02	-1282E+04	3925E+03	9109E+00	1160E+01	1474E+02	5431E+02	-4185E+03	3244E+03
1311E+01	2893E+00	1712E+01	5082E+01	-2622E+03	3670E+02	1311E+01	2893E+00	1712E+01	5082E+01	-1619E+03	1974E+02
8716E+01	1435E+00	-1114E+02	3370E+02	-1437E+03	2258E+02	8716E+01	1435E+00	-1114E+02	3370E+02	7969E+03	1417E+02
4988E+01	2843E+01	-1105E+01	-2717E+02	1132E+02	4573E+01	4988E+01	2843E+01	-1105E+01	-2717E+02	-5344E+02	-1021E+03
-4348E+02	4681E+00	4547E+01	1013E+02	1071E+03	-7134E+02	-4348E+02	4681E+00	4547E+01	1013E+02	1098E+03	-9878E+02
3044E+02	4321E+01	1919E+02	-6127E+02	-9577E+03	2633E+03	3044E+02	4321E+01	1919E+02	-6127E+02	1671E+03	9962E+01
-5733E+02	-5096E+01	1670E+02	1146E+02	-4941E+03	-2948E+03	-5733E+02	-5096E+01	1670E+02	1146E+02	4851E+03	3679E+01
1331E+02	-1799E+01	-1522E+02	-1501E+02	8701E+03	-2028E+03	1331E+02	-1799E+01	-1522E+02	-1501E+02	-2217E+02	-9736E+02
2619E+02	-2213E+02	1719E+02	1143E+03	-8706E+03	1440E+04	2619E+02	-2213E+02	1719E+02	1143E+03	3375E+03	-1428E+03
3636E+01	-1363E+02	1067E+01	5688E+02	-4437E+01	-7431E+03	3636E+01	-1363E+02	1067E+01	5688E+02	-6700E+02	1147E+03
4477E+01	-1353E+01	1979E+02	-2217E+02	-1471E+04	-1243E+03	4477E+01	-1353E+01	1979E+02	-2217E+02	-2808E+03	-4496E+02

SQUARE ROOT SUM OF THE SQUARES

5134E+03	1185E+04	3714E+03	5056E+05	1412E+06	1795E+06	5134E+03	1185E+04	3714E+03	5056E+05	1251E+06	1109E+06
CLOSELY SPACED MODE SUMMATION METHOD											
5336E+03	1189E+04	4168E+03	5068E+05	1423E+06	1795E+06	5336E+03	1189E+04	4168E+03	5068E+05	1253E+06	1112E+06



-533E+02 -5096E+01 -1670E+02 -146E+02 -494E+03 -5733E+02 -509E+01 -1670E+02 -1146E+02 -509E+01 -3879E+01  
 -1331E+02 -1799E+01 -1522E+02 -1501E+02 -2028E+03 -1331E+02 -1799E+01 -1522E+02 -1501E+02 -2217E+02 -9736E+02  
 -19E+02 -2213E+02 -1719E+02 -114E+03 -6700E+03 -1440E+04 -2619E+02 -2213E+02 -1719E+02 -114E+03 -3375E+03 -1428E+03  
 36E+01 -1363E+02 -1067E+01 -5688E+02 -4437E+01 -7431E+03 -836E+01 -1463E+02 -1067E+01 -5688E+02 -6700E+02 -1147E+03  
 77E+01 -1353E+01 -1979E+02 -2217E+02 -1441E+04 -1243E+03 -4477E+01 -1353E+01 -1979E+02 -2217E+02 -2808E+03 -4458E+02

SQUARE ROOT SLM CF THE SQUARES

5134E+03 .1185E+04 .3714E+03 .5056E+05 .1412E+06 .1795E+06 .5134E+03 .1185E+04 .3714E+03 .5056E+05 .1251E+06 .1109E+06  
 CLOSELY SPACED MCE SUMMATION METHOD  
 5336E+03 .1189E+04 .4168E+03 .5068E+05 .1423E+06 .1795E+06 .5336E+03 .1189E+04 .4168E+03 .5068E+05 .1253E+06 .1112E+06

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 32)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-2536E+03	-1178E+04	-9064E+02	5967E+05	-2726E+04	-1053E+06	-2536E+03	-1178E+04	-9064E+02	5967E+05	-8040E+04	-3629E+05
3540E+03	1471E+02	2775E+03	5096E+04	-1205E+06	-8907E+02	3540E+03	1471E+02	2775E+03	5096E+04	-1082E+06	-7769E+04
5180E+01	-2203E+01	2747E+01	-3141E+03	3333E+02	-3839E+03	5180E+01	-2203E+01	2747E+01	-3141E+03	1944E+03	-2547E+03
1373E+02	1329E+01	2643E+01	5307E+02	-5526E+03	2530E+03	1373E+02	1329E+01	2643E+01	5307E+02	-3976E+03	1751E+03
-1191E+03	1322E+01	-9588E+02	5307E+03	1351E+04	1650E+02	-1191E+03	1322E+01	-9588E+02	5307E+03	-4270E+04	-6096E+02
-7306E+02	9302E+01	-1082E+03	4358E+03	2141E+04	-2007E+04	-7306E+02	9302E+01	-1082E+03	4358E+03	-4201E+04	-2552E+04
9417E+01	-3335E+02	1575E+03	6247E+03	-5769E+04	2433E+02	9417E+01	-3335E+02	1575E+03	6247E+03	3462E+04	4366E+04
1009E+02	1108E+03	3280E+01	-2549E+04	-5394E+03	-4828E+01	1009E+02	1108E+03	3280E+01	-2549E+04	3471E+03	-1132E+05
-1371E+03	2214E+01	1540E+03	-9687E+03	-4726E+04	-8625E+03	-1371E+03	2214E+01	1540E+03	-9687E+03	4302E+04	-9923E+03
-7631E+02	9506E+00	5806E+01	-1026E+03	7227E+03	6934E+02	-7631E+02	9506E+00	5806E+01	-1026E+03	1063E+04	1315E+02
-5673E+00	-5836E+00	-1870E-01	-1366E+02	2379E+02	-7067E+02	-5673E+00	-5836E+00	-1870E-01	-1366E+02	2269E+02	3646E+02
-2599E+02	2570E+01	7038E+01	-2033E+03	-1707E+04	-1258E+03	-2599E+02	2570E+01	7038E+01	-2033E+03	-1295E+04	-2704E+03
-1998E+02	-3714E-01	4846E+01	-1190E+03	-1472E+04	-3095E+03	-1998E+02	-3714E-01	4846E+01	-1190E+03	-1188E+04	-3073E+03
-2189E+02	1666E+02	-2025E+02	-1305E+03	-5086E+04	-1871E+04	-2189E+02	1666E+02	-2025E+02	-1305E+03	-7107E+04	-2847E+04
-2719E+02	4342E+02	-2928E+02	1978E+03	7841E+04	-8089E+04	-2719E+02	4342E+02	-2928E+02	1978E+03	5765E+04	-1063E+05
-1022E-03	-6079E-02	3029E-02	-7362E-01	-1049E+01	1142E+01	-1022E-03	-6079E-02	3029E-02	-7362E-01	-9119E+00	1444E+01
4092E-01	7249E+01	1333E+02	2724E+03	1093E+03	-2622E+04	4092E-01	7249E+01	1333E+02	2724E+03	9507E+03	-3047E+04
-1239E+02	-7777E+01	9939E+01	-1345E+03	1612E+04	2898E+03	-1239E+02	-7777E+01	9939E+01	-1345E+03	2195E+04	1346E+04
1349E+02	-3411E+01	-6271E+01	1562E+03	-1527E+04	-3163E+04	1349E+02	-3411E+01	-6271E+01	1562E+03	-1894E+04	-2963E+04
2087E-03	1139E-02	1619E-01	7937E-01	7143E+00	6810E+00	2087E-03	1139E-02	1619E-01	7937E-01	1663E+01	6143E+00
-3789E+00	1160E+01	1476E+02	2578E+02	-4185E+03	3280E+03	-3789E+00	1160E+01	1476E+02	2578E+02	4469E+03	2599E+03
1157E+01	2893E+00	1820E+01	3376E+01	-1019E+03	2011E+02	1157E+01	2893E+00	1820E+01	3376E+01	-5518E+02	3149E+01
9656E+01	1435E+00	-1034E+02	3235E+02	-7946E+03	1705E+02	9656E+01	1435E+00	-1034E+02	3235E+02	1403E+04	8636E+01
5066E+01	2843E+01	-6651E+00	-1292E+02	-5344E+02	-1638E+03	5066E+01	2843E+01	-6651E+00	-1292E+02	-9243E+02	-3305E+03
-4332E+02	4081E+00	-3749E+01	1871E+02	109E+03	-9752E+02	-4332E+02	4081E+00	-3749E+01	1871E+02	-1100E+03	-1250E+03
2864E+02	4321E+01	2177E+02	-6191E+02	1671E+03	-4577E+01	2864E+02	4321E+01	2177E+02	-6191E+02	1443E+04	-2487E+03
-5457E+02	-5096E+01	1164E+02	1108E+02	4851E+03	-864E+01	-5457E+02	-5096E+01	1164E+02	1108E+02	1167E+04	3036E+03
1459E+02	-1799E+01	-1400E+02	-6456E+01	-2217E+02	-9830E+02	1459E+02	-1799E+01	-1400E+02	-6456E+01	-8429E+03	7166E+01
2459E+02	-2213E+02	1941E+02	1263E+03	3375E+03	-1323E+03	2459E+02	-2213E+02	1941E+02	1263E+03	1475E+04	1165E+04
3914E+01	-1463E+02	-7284E+00	4665E+02	-6700E+02	1193E+03	3914E+01	-1463E+02	-7284E+00	4665E+02	-1097E+03	9771E+03
2733E+01	-1353E+01	2011E+02	-1816E+02	-2808E+03	-4674E+02	2733E+01	-1353E+01	2011E+02	-1816E+02	8979E+03	3259E+02

SQUARE ROOT SLM CF THE SQUARES

4930E+03 .1185E+04 .3981E+03 .5996E+05 .1251E+06 .1061E+06 .4930E+03 .1185E+04 .3981E+03 .5996E+05 .1093E+06 .4095E+05  
 CLOSELY SPACED MCE SUMMATION METHOD  
 5113E+03 .1189E+04 .4441E+03 .6003E+05 .1253E+06 .1064E+06 .5113E+03 .1189E+04 .4441E+03 .6003E+05 .1096E+06 .4289E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-2300E+03	-2147E+03	-1329E+03	6260E+05	-8040E+04	-3096E+05	-2300E+03	-2147E+03	-1329E+03	6260E+05	-1583E+05	1080E+05
2301E+02	2550E+02	7500E+03	5754E+04	-1082E+06	-7296E+04	2301E+02	2550E+02	7500E+03	5754E+04	-8422E+05	-8791E+04
5952E+01	-1985E+01	3367E+01	-2907E+03	1944E+03	-2811E+03	5952E+01	-1985E+01	3367E+01	-2907E+03	3918E+03	-1647E+03
1221E+02	1446E+01	7966E+01	3762E+02	-3976E+03	1221E+02	1446E+01	7966E+01	3762E+02	-3976E+03	6936E+02	9423E+02
-1460E+03	3125E+01	-1241E+03	5340E+03	-4270E+04	-1452E+02	-1460E+03	3125E+01	-1241E+03	5340E+03	-1154E+05	-1977E+03
-1105E+03	-2461E+01	-1440E+03	6564E+03	-4201E+04	-2504E+04	-1105E+03	-2461E+01	-1440E+03	6564E+03	-1264E+05	-2360E+04
6567E+02	-2451E+01	1980E+03	2402E+03	3462E+04	4425E+04	6567E+02	-2451E+01	1980E+03	2402E+03	1507E+05	4548E+04
1720E+02	1695E+01	-5683E+00	-1553E+04	-3471E+03	-1150E+05	1720E+02	1695E+01	-5683E+00	-1553E+04	-3604E+03	-1160E+05
-6922E+02	-1221E+02	1901E+03	-8786E+03	4302E+04	-1073E+04	-6922E+02	-1221E+02	1901E+03	-8786E+03	1544E+05	-3570E+03
-8731E+02	-1324E+01	-2249E+02	-1093E+03	1063E+04	3642E+01	-8731E+02	-1324E+01	-2249E+02	-1093E+03	-2551E+03	8125E+02
-8211E+00	-4396E+01	-5093E+00	-1043E+02	2269E+02	-3751E+02	-8211E+00	-4396E+01	-5093E+00	-1043E+02	-7168E+01	-1174E+02
-3377E+02	-2333E+01	2086E+02	-2383E+03	-1295E+04	-2983E+03	-3377E+02	-2333E+01	2086E+02	-2383E+03	-7198E+02	-1615E+03
-2791E+02	-3446E+01	1759E+02	-9179E+02	-1186E+04	-3165E+03	-2791E+02	-3446E+01	1759E+02	-9179E+02	-1563E+03	-1134E+03
-3191E+02	-2492E+02	9819E+02	1180E+03	-7107E+04	-2847E+04	-3191E+02	-2492E+02	9819E+02	1180E+03	-1352E+04	-1386E+04
-2165E+02	-1009E+03	-8255E+02	1123E+04	5765E+04	-1058E+05	-2165E+02	-1009E+03	-8255E+02	1123E+04	9255E+04	-4659E+04
3020E-02	1465E-01	1435E-01	-2038E+00	-9119E+00	1466E+01	3020E-02	1465E-01	1435E-01	-2038E+00	7097E-01	6273E+00
5119E+01	-4063E+02	-6748E+01	5368E+03	9507E+03	-3012E+04	5119E+01	-4063E+02	-6748E+01	5368E+03	5551E+03	-6302E+03





SQUARE ROOT SUM OF THE SQUARES  
 .3629E+03 .8245E+03 .8669E+03 .6128E+05 .7109E+05 .2738E+05 .3829E+03 .8245E+03 .8669E+03 .6128E+05 .2911E+05 .7108E+05  
 CLOSEST SPACE CODE SUMMATION METHOD  
 .4607E+03 .8273E+03 .8737E+03 .0130E+05 .7440E+05 .2983E+05 .4007E+03 .8273E+03 .8737E+03 .6130E+05 .3265E+05 .7275E+05



4922E+01 .1067E+02 .2546E+03 .6933E+02 .257E+03 .2748E+03  
1222E+02 .8981E+00 .2333E+01 .2817E+02 .5390E+03 .8138E+02 .1222E+02 .8981E+00 .2333E+01 .2817E+02 .5390E+03 .8138E+02

SQUARE ROOT SUM OF THE SQUARES  
3829E+03 .8245E+03 .8669E+03 .6128E+05 .7169E+05 .2738E+05 .3829E+03 .8245E+03 .8669E+03 .6128E+05 .2911E+05 .7168E+05  
CLOSELY SPACED MODE SUMMATION METHOD  
4607E+03 .8273E+03 .8737E+03 .6130E+05 .7449E+05 .2983E+05 .4607E+03 .8273E+03 .8737E+03 .6130E+05 .3265E+05 .7275E+05

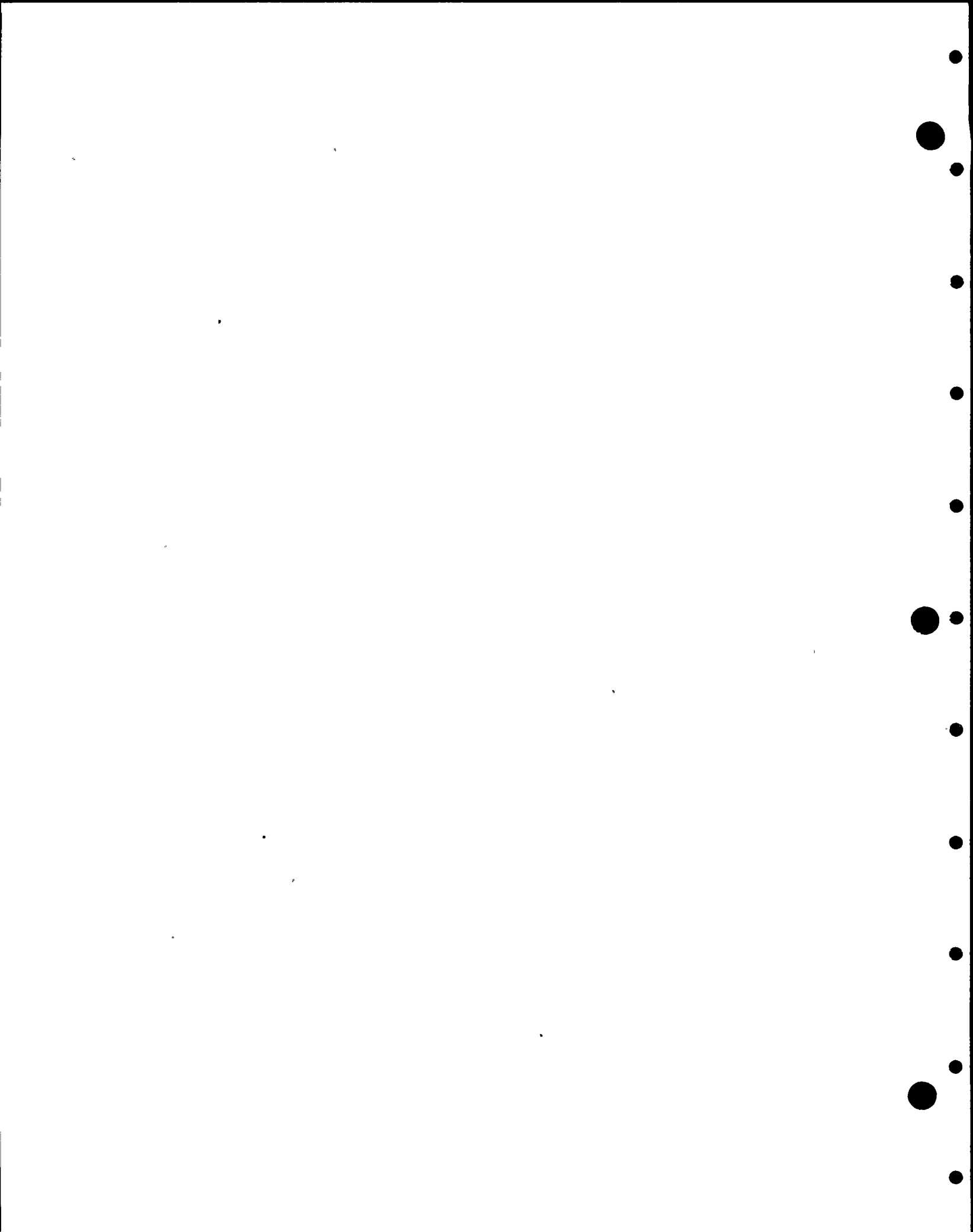
ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 35)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
.6179E+02	-.8626E+02	.4247E+02	.6089E+05	-.6973E+05	-.8400E+04	-.4845E+01	-.1060E+03	.4247E+02	.6044E+04	-.8652E+05	.1595E+04
-.4133E+03	-.1050E+04	.5729E+02	.6502E+04	.9743E+04	-.1538E+05	-.9741E+03	-.5687E+03	.5729E+02	.1298E+05	.8946E+04	.6874E+05
.7531E+00	.3282E+01	-.1262E+01	-.2751E+03	.7377E+02	.2171E+03	.2523E+01	.2112E+01	-.1262E+01	-.2111E+03	.1111E+03	-.6331E+02
.0201E+00	-.1507E+01	.9573E+00	.2921E+02	-.1281E+02	.3286E+02	-.4455E+00	-.1568E+01	.9573E+00	.4582E+02	.4582E+02	.1927E+03
.8258E+01	-.8248E+02	.6518E+01	.5493E+03	.3324E+03	-.7317E+04	-.4455E+02	-.6990E+02	.6518E+01	.8469E+03	.5263E+03	.6050E+03
.3942E+02	-.6100E+02	-.1072E+02	.8607E+03	.2150E+04	-.8787E+04	-.1916E+02	-.8802E+02	-.1072E+02	.1602E+04	.1610E+03	.1295E+00
-.9466E+02	.8571E+02	.3001E+02	-.1637E+03	-.4774E+04	.1172E+05	-.2131E+02	.1259E+03	.3001E+02	-.2117E+04	-.8626E+03	.7141E+03
.3160E+02	.1357E+02	-.1242E+03	.5302E+03	.1179E+05	-.1064E+05	.3322E+02	-.8898E+01	-.1242E+03	.2806E+04	-.1937E+04	-.3491E+03
-.1514E+03	.8451E+02	-.2556E+02	-.8439E+03	-.2797E+03	.1473E+05	-.6666E+02	.1601E+03	-.2556E+02	-.1656E+04	-.2670E+04	.2015E+04
-.3632E+02	.4852E+01	-.3407E+01	-.1160E+03	-.1466E+03	.2271E+04	-.2552E+02	.2629E+02	-.3407E+01	-.2927E+03	-.3612E+03	.6519E+03
-.1803E+00	.5539E-01	.7342E-01	-.9363E+01	-.1303E+02	.1574E+02	-.8260E-01	.1865E+00	.7342E-01	-.1306E+02	.2372E+01	.1084E+01
-.3859E+02	-.8423E+01	-.4852E+01	-.2232E+03	.4506E+02	.1372E+04	.3557E+02	.1722E+02	-.4852E+01	-.3031E+03	-.2764E+03	.9181E+03
-.3365E+02	-.8615E+01	-.3046E+01	-.8156E+02	-.8098E+02	.1091E+04	-.3176E+02	.1406E+02	-.3046E+01	-.2121E+03	-.2959E+03	.8086E+03
-.1433E+03	.9426E+02	-.1518E+02	.2390E+03	.8298E+02	-.7726E+03	-.1717E+03	.1526E+02	-.1518E+02	-.3519E+03	-.1622E+04	.3335E+04
-.5198E+02	-.8218E+02	-.2440E+01	.1527E+04	-.1344E+04	-.6346E+04	-.9168E+02	-.3238E+02	-.2440E+01	.2892E+03	-.2228E+04	-.3504E+03
.5985E-02	.9264E-02	-.2005E-03	-.2580E+00	.2474E+00	.7398E+00	.1044E-01	.3573E-02	-.2005E-03	-.5603E-01	.3354E+00	.7243E-01
.2312E+02	.2463E+02	.1636E+02	.5900E+03	.1789E+04	.9575E+03	.5044E+01	.1636E+02	-.1173E+03	-.2514E+03	-.5853E+03	.3335E+04
.3721E+01	.1698E+00	-.1401E+02	-.2349E+03	.1693E+04	-.5352E+03	.3028E+01	-.2169E+01	-.1401E+02	.4122E+03	.1744E+03	-.4312E+03
.2368E+01	.6310E+01	.1832E+02	.4472E+03	-.2160E+04	.7715E+03	.5765E+01	.3492E+01	.1832E+02	-.3960E+03	-.2730E+03	.2819E+03
.1246E-01	.1633E-01	-.6255E-02	.3704E-01	.8767E+00	.5442E+00	.1990E-01	.5118E-02	-.6255E-02	.3704E+00	.8513E-01	-.5709E+00
.1168E+02	.2586E+02	-.3918E+01	.2253E+02	.7027E+03	.1463E+04	.2518E+02	.1309E+02	-.3918E+01	.3265E+03	.1743E+03	-.5614E+03
.1663E+01	.4860E+01	-.4775E+00	.7327E+01	.1004E+03	.5132E+03	.4313E+01	.2789E+01	-.4775E+00	.5253E+02	.3001E+02	-.6446E+02
-.4700E+01	.6557E+01	.6178E-01	.3531E+02	.9886E+02	.7982E+03	.3663E+00	.8059E+01	.6178E-01	.9090E+02	.6154E+02	.3835E+02
.1677E+01	.1138E+01	.5404E+00	.2685E+02	-.8015E+02	.6506E+02	.1550E+01	.2275E+00	.5404E+00	-.1112E+02	-.2940E+02	-.5939E+01
-.1405E+02	-.1013E+02	.1696E+01	.3630E+02	-.1045E+03	-.3224E+03	-.1731E+02	.7429E+00	.1696E+01	.1308E+02	.5656E+02	.1655E+03
.2874E+02	.1529E+02	-.2364E+01	-.2580E+02	.7624E+02	.9166E+02	.3204E+02	-.5779E+01	-.2364E+01	-.4704E+02	-.1422E+03	-.4026E+03
-.1363E+02	-.1451E+02	.1515E+01	-.3241E+02	-.8453E+02	-.7826E+03	-.1769E+02	-.2963E+01	.1515E+01	-.2903E+02	.9427E+02	.1260E+03
-.1555E+02	-.2032E+01	.2161E+01	-.1365E+02	-.1442E+03	-.1120E+02	-.1718E+02	.3312E+01	.2161E+01	-.3043E+02	.9584E+02	.2341E+03
-.1844E+02	-.1409E+02	.7850E+01	-.5248E+02	-.5805E+03	-.5720E+03	-.2321E+02	.3420E+00	.7850E+01	-.1479E+03	.3051E+03	.1429E+03
.5645E+01	.4439E+01	-.2497E+01	-.6933E+02	.2740E+03	.1557E+03	.7181E+01	-.6509E-02	-.2497E+01	.3528E+02	.2701E+02	-.7471E+02
.2449E+02	.1726E+02	.1040E+01	-.2817E+02	-.1333E+03	.4030E+03	.2992E+02	-.1593E+01	.1040E+01	-.7145E+02	.6871E+01	-.4117E+03

SQUARE ROOT SUM OF THE SQUARES  
4896E+03 .1075E+04 .1530E+05 .6128E+05 .7168E+05 .2911E+05 .1002E+04 .6258E+03 .1530E+03 .1500E+05 .8907E+05 .6890E+05  
CLOSELY SPACED MODE SUMMATION METHOD  
5184E+03 .1084E+04 .1974E+03 .6130E+05 .7275E+05 .3265E+05 .1009E+04 .6479E+03 .1974E+03 .1595E+05 .8913E+05 .6894E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 35)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.6940E+02	-.8026E+02	.4247E+02	-.4866E+05	-.6933E+05	.1128E+05
-.1117E+04	.1561E+03	.5729E+02	.1757E+05	.4314E+04	.9019E+05
.3367E+01	.3617E+01	-.1262E+01	-.1377E+03	.1007E+03	-.1750E+03
-.1320E+01	-.9557E+00	.9573E+00	.1044E+03	.1082E+03	.3239E+03
-.7825E+02	-.2733E+02	.6518E+01	.1201E+04	.4944E+03	.5660E+04
-.6952E+02	-.5728E+02	-.1072E+02	.1060E+04	-.1897E+04	.7554E+04
.6117E+02	.1121E+03	.3001E+02	-.1231E+04	.3419E+04	-.1166E+05
.2059E+02	-.2754E+02	-.1242E+03	-.2927E+04	-.1484E+05	.1545E+04
.4672E+02	.1670E+03	-.2556E+02	-.3406E+04	-.2973E+04	-.1499E+05
-.3779E+01	.3645E+02	-.3407E+01	-.5630E+03	-.4189E+03	-.2610E+04
.5053E-01	.1976E+00	.7342E-01	.6427E+01	.1676E+02	-.1889E+02
-.1728E+02	.3554E+02	-.4852E+01	-.5652E+03	-.4799E+03	-.1825E+04
-.1625E+02	.3070E+02	-.3046E+01	-.4477E+03	-.3639E+03	-.1518E+04
-.1254E+03	.1182E+03	-.1518E+02	-.1768E+04	-.2465E+04	-.3605E+04
-.9206E+02	.3130E+02	-.2440E+01	-.1230E+04	-.2155E+04	-.3339E+03
.1041E+01	-.3651E-02	-.2005E-03	.1571E+00	.2795E+00	.7650E-01
.2936E+02	-.1671E+02	.1636E+02	.2782E+03	.1393E+04	.2102E+02
.1036E+01	-.3578E+01	-.1401E+02	-.1913E+02	-.1410E+04	-.1324E+03
.6689E+01	-.8248E+00	.1832E+02	.1094E+03	.1731E+04	.1233E+03
.1800E-01	-.8262E-02	-.6255E-02	.1424E+00	-.7430E+00	-.4059E+00



37E+01	364E+00	3407E+01	30E+03	418E+03	2610E+04
505E-01	197E+00	730E-01	6027E+01	1676E+02	1089E+02
728E+02	355E+02	4852E+01	5652E+03	4799E+03	1825E+04
25E+02	307E+02	3046E+01	4477E+03	3839E+03	1518E+04
54E+03	1182E+03	1518E+02	1768E+04	2465E+04	3605E+04
9206E+02	3130E+02	2440E+01	1230E+04	2155E+04	3339E+03
1041E-01	3651E-02	2005E-03	1571E+00	2795E+06	7650E-01
2936E+02	1671E+02	1636E+02	2782E+03	1393E+04	2102E+02
1036E+01	3578E+01	1401E+02	1913E+02	1419E+04	1324E+03
689E+01	824E+00	1832E+02	1094E+03	1731E+04	1233E+03
180E-01	829E-02	625E-02	1424E+00	7430E+00	4059E+00
278E+02	5302E+01	3912E+01	2383E+03	4289E+03	9661E+03
511E+01	4787E+00	4773E+00	4447E+02	5326E+02	2046E+03
5275E+01	610E+01	6178E-01	1115E+03	2175E+01	6980E+03
1359E+01	7807E+00	5404E+00	9546E+01	3395E+02	2282E+02
1314E+02	112E+02	1676E+01	1003E+03	1934E+03	4603E+03
2159E+02	2437E+02	2364E+01	2015E+03	3016E+03	1165E+04
1730E+02	9857E+01	1515E+01	8427E+02	2326E+03	2325E+03
1145E+02	1323E+02	2161E+01	1049E+03	2947E+03	6261E+03
1802E+02	1463E+02	7850E+01	3252E+03	1060E+04	6355E+03
5637E+01	444E+01	2497E+01	3590E+02	2324E+03	1569E+03
2252E+02	1977E+02	1040E+01	1719E+02	1477E+03	6987E+03

SQUARE ROOT SUM OF THE SQUARES

1140E+04	3107E+03	1530E+03	5203E+05	7134E+05	9351E+05
1147E+04	3596E+03	1974E+03	5232E+05	7282E+05	9495E+05

ELEMENT TYPE (3/D P I P E

) / / / ELEMENT NUMBER ( 36)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-1728E+02	5958E+03	6696E+02	-4866E+05	1128E+05	6933E+05	-1728E+02	5958E+03	6696E+02	-4866E+05	1138E+05	5059E+05
-1135E+04	8096E+02	5589E+03	1757E+05	9014E+05	4312E+04	-1135E+04	8096E+02	5589E+03	1757E+05	7261E+05	6801E+04
384E+01	9677E+00	1114E+01	1377E+03	1750E+03	1007E+03	3404E+01	9677E+00	1114E+01	1377E+03	1400E+03	7027E+02
-1509E+01	4950E-02	1338E+01	1044E+03	3239E+03	1082E+03	-1509E+01	4950E-02	1338E+01	1044E+03	2818E+03	1084E+03
-8188E+02	6621E+01	1777E+02	1201E+04	5660E+04	4914E+03	-8188E+02	6621E+01	1777E+02	1201E+04	5102E+04	7026E+03
-7046E+02	8330E-01	1195E+02	1060E+04	7554E+04	1877E+04	-7046E+02	8330E-01	1195E+02	1060E+04	7178E+04	1635E+04
5695E+02	5197E+01	5181E+01	1231E+04	1160E+05	3419E+04	5695E+02	5197E+01	5181E+01	1231E+04	1150E+05	3255E+04
4874E+02	3129E+01	1332E+02	2927E+04	1545E+04	1484E+05	4874E+02	3129E+01	1332E+02	2927E+04	1965E+04	1493E+05
565E+02	6348E+01	3980E+01	3406E+04	1499E+05	2973E+04	565E+02	6348E+01	3980E+01	3406E+04	1512E+05	3172E+04
-2896E+01	3651E+00	9040E+01	5636E+03	2610E+04	4189E+03	-2896E+01	3651E+00	9040E+01	5636E+03	2894E+04	4303E+03
-1851E-02	1036E-01	3371E-01	627E+01	1889E+02	1676E+02	-1851E-02	1036E-01	3371E-01	627E+01	1995E+02	1708E+02
-1964E+02	1530E+01	1174E+02	565E+03	1825E+04	1964E+02	-1964E+02	1530E+01	1174E+02	565E+03	2193E+04	4317E+03
-1927E+02	2225E+01	1077E+02	4477E+03	1518E+04	3835E+03	-1927E+02	2225E+01	1077E+02	4477E+03	1857E+04	3139E+03
-1800E+03	3514E+02	5338E+02	1768E+04	3005E+04	2465E+04	-1800E+03	3514E+02	5338E+02	1768E+04	5284E+04	1360E+04
-2538E+03	1013E+03	5258E+01	1230E+04	3334E+03	2155E+04	-2538E+03	1013E+03	5258E+01	1230E+04	4943E+03	1032E+04
3300E-01	1429E-01	6680E-03	1571E+00	7650E-01	2795E+00	3300E-01	1429E-01	6680E-03	1571E+00	9751E-01	1700E+00
3448E+02	3608E+01	1458E+02	2782E+03	2102E+02	1393E+04	3448E+02	3608E+01	1458E+02	2782E+03	4797E+03	1507E+04
-2971E+02	1294E+02	9734E+01	1913E+02	1324E+03	1419E+04	-2971E+02	1294E+02	9734E+01	1913E+02	1738E+03	1012E+04
3710E+02	1044E+02	5427E+01	1094E+03	1233E+03	1731E+04	3710E+02	1044E+02	5427E+01	1094E+03	4745E+02	1403E+04
-4805E-02	1221E-01	1759E-01	1424E+00	4059E+00	7430E+00	-4805E-02	1221E-01	1759E-01	1424E+00	1474E+00	3589E+00
9098E+01	1136E+02	2700E+02	2383E+03	9061E+03	4289E+03	9098E+01	1136E+02	2700E+02	2383E+03	1169E+03	7155E+02
2304E+01	1903E+01	4981E+01	4447E+02	2046E+03	5326E+02	2304E+01	1903E+01	4981E+01	4447E+02	4789E+02	6591E+01
4280E+01	1940E+01	1028E+02	1115E+03	6980E+03	2175E+01	4280E+01	1940E+01	1028E+02	1115E+03	3746E+03	5866E+02
1919E+01	8436E+00	3402E+00	9546E+01	2282E+02	3395E+02	1919E+01	8436E+00	3402E+00	9546E+01	1212E+02	6049E+02
-9585E+01	4480E+01	4837E+01	1003E+03	4603E+03	1934E+03	-9585E+01	4480E+01	4837E+01	1003E+03	3081E+03	5244E+02
1947E+02	9711E+01	1052E+02	2015E+03	1165E+04	3016E+03	1947E+02	9711E+01	1052E+02	2015E+03	8338E+03	3831E+01
-1832E+02	9869E+01	1819E+01	8727E+02	2325E+03	2326E+03	-1832E+02	9869E+01	1819E+01	8727E+02	1752E+03	7781E+02
-1607E+02	1097E+02	4439E+01	1047E+03	6261E+03	2947E+03	-1607E+02	1097E+02	4439E+01	1047E+03	4864E+03	5038E+02
-6258E+02	5198E+02	5807E+01	3252E+03	6355E+03	1060E+04	-6258E+02	5198E+02	5807E+01	3252E+03	4529E+03	5753E+03
866E+01	4407E+01	7947E+00	3590E+02	1569E+03	2324E+03	866E+01	4407E+01	7947E+00	3590E+02	1319E+03	9374E+02
3472E+01	9302E+01	1534E+01	1719E+02	6987E+03	1477E+03	3472E+01	9302E+01	1534E+01	1719E+02	6505E+03	1402E+03

SQUARE ROOT SUM OF THE SQUARES

1190E+04	6139E+03	5675E+03	5203E+05	7708E+05	5350E+05
1202E+04	6161E+03	5689E+03	5232E+05	7889E+05	5542E+05

ELEMENT TYPE (3/D P I P E

) / / / ELEMENT NUMBER ( 37)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
1190E+04	6139E+03	5675E+03	5203E+05	7708E+05	5350E+05	1190E+04	6139E+03	5675E+03	5203E+05	7708E+05	5350E+05
1202E+04	6161E+03	5689E+03	5232E+05	7889E+05	5542E+05	1202E+04	6161E+03	5689E+03	5232E+05	7889E+05	5542E+05



SQUARE ROOT SLK OF THE SQUARES

1.90E+04 .6139E+03 .5675E+03 .5203E+05 .9351E+05 .7134E+05 .190E+04 .6139E+03 .5675E+03 .5203E+05 .7708E+05 .5350E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .202E+04 .6161E+03 .5689E+03 .5232E+05 .7495E+05 .7282E+05 .202E+04 .6161E+03 .5689E+03 .5232E+05 .7889E+05 .5542E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 37)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.9603E+01	.8360E+03	.5879E+02	-.4867E+05	.1338E+05	.5058E+05	.9603E+01	.8360E+03	.5879E+02	-.4867E+05	.1338E+05	.5058E+05
-.1144E+04	.2845E+02	-.7415E+03	.1757E+05	.7261E+05	-.6858E+04	-.1144E+04	.2845E+02	-.7415E+03	.1757E+05	.7261E+05	-.6858E+04
.3542E+01	-.8448E+00	.1627E+01	-.1377E+03	-.1400E+03	-.7029E+02	.3542E+01	-.8448E+00	.1627E+01	-.1377E+03	-.1400E+03	-.7029E+02
-.1605E+01	-.4417E+00	-.2400E+01	.1044E+03	.2818E+03	-.1083E+03	-.1605E+01	-.4417E+00	-.2400E+01	.1044E+03	.2818E+03	-.1083E+03
-.8371E+02	.6113E+01	-.3885E+02	.1261E+04	.5102E+04	.7029E+03	-.8371E+02	.6113E+01	-.3885E+02	.1261E+04	.5102E+04	.7029E+03
-.7089E+02	.1666E+02	-.4519E+02	.1060E+04	.7173E+04	.1635E+04	-.7089E+02	.1666E+02	-.4519E+02	.1060E+04	.7173E+04	.1635E+04
.5774E+02	-.2170E+02	.6258E+02	-.1231E+04	-.1150E+05	.3255E+04	.5774E+02	-.2170E+02	.6258E+02	-.1231E+04	-.1150E+05	.3255E+04
.0323E+02	.5767E+02	.4785E+01	-.2936E+04	.1955E+04	.1493E+05	.0323E+02	.5767E+02	.4785E+01	-.2936E+04	.1955E+04	.1493E+05
.6210E+02	.4559E+01	.7730E+02	-.3407E+04	-.1512E+05	.3172E+04	.6210E+02	.4559E+01	.7730E+02	-.3407E+04	-.1512E+05	.3172E+04
-.2438E+01	.1457E+01	.7084E+01	-.5631E+03	-.2892E+04	.2302E+03	-.2438E+01	.1457E+01	.7084E+01	-.5631E+03	-.2892E+04	.2302E+03
-.2888E-01	-.4080E-01	.6603E-01	-.6424E+01	-.1995E+02	-.1709E+02	-.2888E-01	-.4080E-01	.6603E-01	-.6424E+01	-.1995E+02	-.1709E+02
-.2081E+02	.4503E+01	.2720E+01	-.5653E+03	-.2193E+04	.4316E+03	-.2081E+02	.4503E+01	.2720E+01	-.5653E+03	-.2193E+04	.4316E+03
-.2078E+02	.4504E+01	.1542E+01	-.4478E+03	-.1857E+04	.3138E+03	-.2078E+02	.4504E+01	.1542E+01	-.4478E+03	-.1857E+04	.3138E+03
-.2077E+03	.5194E+02	-.1605E+02	-.1769E+04	-.5284E+04	.1360E+04	-.2077E+03	.5194E+02	-.1605E+02	-.1769E+04	-.5284E+04	.1360E+04
-.3363E+03	.1208E+03	.5854E+01	-.1230E+04	-.4993E+03	-.1033E+04	-.3363E+03	.1208E+03	.5854E+01	-.1230E+04	-.4993E+03	-.1033E+04
.4546E-01	-.1674E-01	-.7234E-03	.1571E+00	.9751E-01	.1700E+00	.4546E-01	-.1674E-01	-.7234E-03	.1571E+00	.9751E-01	.1700E+00
.3696E+02	-.5956E+01	.9423E+01	.2785E+03	.4797E+03	-.1506E+04	.3696E+02	-.5956E+01	.9423E+01	.2785E+03	.4797E+03	-.1506E+04
-.4542E+02	.2297E+02	.9098E+01	-.1931E+02	.1738E+03	.1012E+04	-.4542E+02	.2297E+02	.9098E+01	-.1931E+02	.1738E+03	.1012E+04
.5259E+02	-.2282E+02	-.6140E+01	.1057E+03	-.4745E+02	-.1403E+04	.5259E+02	-.2282E+02	-.6140E+01	.1057E+03	-.4745E+02	-.1403E+04
-.1696E-01	.1724E-01	.1615E-01	.1423E+00	.1474E+00	.3589E+00	-.1696E-01	.1724E-01	.1615E-01	.1423E+00	.1474E+00	.3589E+00
-.6568E+00	.1425E+02	.2800E+02	.2382E+03	-.1169E+03	.7159E+02	-.6568E+00	.1425E+02	.2800E+02	.2382E+03	-.1169E+03	.7159E+02
.8370E+00	.2239E+01	.5400E+01	.4447E+02	.4789E+02	-.6583E+01	.8370E+00	.2239E+01	.5400E+01	.4447E+02	.4789E+02	-.6583E+01
.3733E+01	.1767E+01	.1435E+02	.1115E+03	-.3740E+03	-.5884E+02	.3733E+01	.1767E+01	.1435E+02	.1115E+03	-.3740E+03	-.5884E+02
.2188E+01	.4127E+00	-.6452E+00	-.9535E+01	.1212E+02	-.6049E+02	.2188E+01	.4127E+00	-.6452E+00	-.9535E+01	.1212E+02	-.6049E+02
-.7641E+01	-.5443E+01	.9935E+01	.1003E+03	-.3081E+03	-.5242E+02	-.7641E+01	-.5443E+01	.9935E+01	.1003E+03	-.3081E+03	-.5242E+02
-.1812E+02	.1059E+02	-.2255E+02	-.2015E+03	.8338E+03	-.3867E+01	-.1812E+02	.1059E+02	-.2255E+02	-.2015E+03	.8338E+03	-.3867E+01
-.1861E+02	-.9981E+01	.5725E+01	.8426E+02	-.1752E+03	.7782E+02	-.1861E+02	-.9981E+01	.5725E+01	.8426E+02	-.1752E+03	.7782E+02
-.1911E+02	-.1120E+02	.1133E+02	.1049E+03	-.4864E+03	.5039E+02	-.1911E+02	-.1120E+02	.1133E+02	.1049E+03	-.4864E+03	.5039E+02
-.8456E+02	-.6959E+02	.1288E+02	.3251E+03	-.4529E+03	.7573E+02	-.8456E+02	-.6959E+02	.1288E+02	.3251E+03	-.4529E+03	.7573E+02
.7379E+01	.5687E+01	-.2969E+01	-.3551E+02	.1319E+03	.9374E+02	.7379E+01	.5687E+01	-.2969E+01	-.3551E+02	.1319E+03	.9374E+02
-.6423E+01	-.7976E+01	-.1208E+02	-.1721E+02	.6505E+03	.1462E+03	-.6423E+01	-.7976E+01	-.1208E+02	-.1721E+02	.6505E+03	.1462E+03

SQUARE ROOT SLK OF THE SQUARES

.1226E+04 .8558E+03 .7545E+03 .5204E+05 .7708E+05 .5349E+05 .1226E+04 .8558E+03 .7545E+03 .5204E+05 .2418E+05 .3210E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .1242E+04 .8602E+03 .7605E+03 .5233E+05 .7889E+05 .5541E+05 .1242E+04 .8602E+03 .7605E+03 .5233E+05 .2660E+05 .3309E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 38)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.8238E+02	.1130E+04	.3197E+02	-.4867E+05	.1856E+05	-.2300E+05	.8238E+02	.1130E+04	.3197E+02	-.4867E+05	.1856E+05	-.2300E+05
-.1166E+04	.8040E+02	-.9904E+03	.1757E+05	.7359E+05	-.1464E+05	-.1166E+04	.8040E+02	-.9904E+03	.1757E+05	.7359E+05	-.1464E+05
.3691E+01	-.6478E+00	.2220E+01	-.1377E+03	.3238E+01	-.8049E+01	.3691E+01	-.6478E+00	.2220E+01	-.1377E+03	.3238E+01	-.8049E+01
-.1862E+01	-.1122E+01	-.3902E+01	.1044E+03	.7361E+02	-.6947E+02	-.1862E+01	-.1122E+01	-.3902E+01	.1044E+03	.7361E+02	-.6947E+02
-.8835E+02	.2188E+01	-.7026E+02	.1201E+04	.1682E+04	-.1240E+04	-.8835E+02	.2188E+01	-.7026E+02	.1201E+04	.1682E+04	-.1240E+04
-.7171E+02	.2640E+02	-.9860E+02	.1060E+04	.3201E+04	.1515E+03	-.7171E+02	.2640E+02	-.9860E+02	.1060E+04	.3201E+04	.1515E+03
.5310E+02	-.4425E+02	.1599E+03	-.1231E+04	-.5989E+04	.1346E+04	.5310E+02	-.4425E+02	.1599E+03	-.1231E+04	-.5989E+04	.1346E+04
.1021E+03	.1612E+03	-.2034E+02	-.2936E+04	.2386E+04	.9058E+04	.1021E+03	.1612E+03	-.2034E+02	-.2936E+04	.2386E+04	.9058E+04
.7582E+02	.2884E+02	.2182E+03	-.3407E+04	.8314E+04	.2710E+04	.7582E+02	.2884E+02	.2182E+03	-.3407E+04	.8314E+04	.2710E+04
-.1168E+01	.5294E+01	.4494E+02	-.5631E+03	-.2271E+04	.3020E+03	-.1168E+01	.5294E+01	.4494E+02	-.5631E+03	-.2271E+04	.3020E+03
-.1017E+00	-.1894E+00	.2987E+00	-.6424E+01	-.1414E+02	-.1350E+02	-.1017E+00	-.1894E+00	.2987E+00	-.6424E+01	-.1414E+02	-.1350E+02
-.2308E+02	.6930E+01	.3831E+02	-.5653E+03	-.1953E+04	.3533E+02	-.2308E+02	.6930E+01	.3831E+02	-.5653E+03	-.1953E+04	.3533E+02
-.2455E+02	.5202E+01	.3302E+02	-.4478E+03	-.1721E+04	-.8297E+02	-.2455E+02	.5202E+01	.3302E+02	-.4478E+03	-.1721E+04	-.8297E+02
-.2783E+03	.2236E+02	.1152E+03	-.1769E+04	-.6168E+04	.3212E+04	-.2783E+03	.2236E+02	.1152E+03	-.1769E+04	-.6168E+04	.3212E+04
-.5509E+03	-.3710E+02	.1209E+02	-.1230E+04	.1584E+02	-.1167E+05	-.5509E+03	-.3710E+02	.1209E+02	-.1230E+04	.1584E+02	-.1167E+05
.7458E-01	-.0000E-02	-.2045E-02	.1571E+00	.3385E-01	.1644E+01	.7458E-01	-.0000E-02	-.2045E-02	.1571E+00	.3385E-01	.1644E+01
.0239E+02	-.2564E+02	-.2171E+02	.2785E+03	.1309E+04	-.9823E+03	.0239E+02	-.2564E+02	-.2171E+02	.2785E+03	.1309E+04	-.9823E+03
-.8617E+02	.6797E+01	-.1378E+02	-.1931E+02	.9744E+03	-.1010E+04	-.8617E+02	.6797E+01	-.1378E+02	-.1931E+02	.9744E+03	-.1010E+04
.9246E+02	-.1446E+02	.7361E+01	.1097E+03	-.5878E+03	.6058E+03	.9246E+02	-.1446E+02	.7361E+01	.1097E+03	-.5878E+03	.6058E+03
-.4909E-01	-.4802E-02	-.2355E-01	.1423E+00	.1569E+01	-.1154E+01	-.4909E-01	-.4802E-02	-.2355E-01	.1423E+00	.1569E+01	-.1154E+01
-.2701E+02	-.1064E+02	-.3493E+02	.2382E+03	.2387E+04	-.1183E+04	-.2701E+02	-.1064E+02	-.3493E+02	.2382E+03	.2387E+04	-.1183E+04
-.3176E+01	-.2198E+01	-.6336E+01	.4447E+02	.4273E+03	-.2036E+03	-.3176E+01	-.2198E+01	-.6336E+01	.4447E+02	.4273E+03	-.2036E+03
.1674E+01	-.3616E+01	-.1302E+02	.1115E+03	.8897E+03	-.2144E+03	.1674E+01	-.3616E+01	-.1302E+02	.1115E+03	.8897E+03	-.2144E+03





2.38E+02	2.20E+02	3.30E+02	7.8E+03	1.72E+04	8.29E+02	2.45E+02	5.20E+01	3.30E+02	4.47E+03	3.08E+03	3.06E+03
2.78E+03	2.23E+02	1.15E+03	1.76E+04	6.16E+04	3.21E+04	2.78E+03	2.23E+02	1.15E+03	1.76E+04	6.16E+04	3.21E+04
5.0E+03	3.71E+02	1.20E+02	1.23E+04	1.58E+02	1.16E+05	5.0E+03	3.71E+02	1.20E+02	1.23E+04	1.58E+02	1.16E+05
5.8E+01	6.00E+02	2.04E+02	1.57E+00	3.34E+01	1.04E+01	5.8E+01	6.00E+02	2.04E+02	1.57E+00	3.34E+01	1.04E+01
2.39E+02	2.56E+02	2.17E+02	2.75E+03	1.30E+04	9.82E+03	2.39E+02	2.56E+02	2.17E+02	2.75E+03	1.30E+04	9.82E+03
8.17E+02	6.79E+01	1.37E+02	1.93E+02	9.74E+03	1.01E+04	8.17E+02	6.79E+01	1.37E+02	1.93E+02	9.74E+03	1.01E+04
9.26E+02	1.44E+02	7.36E+01	1.07E+03	5.87E+03	6.05E+03	9.26E+02	1.44E+02	7.36E+01	1.07E+03	5.87E+03	6.05E+03
4.09E+01	4.80E+02	2.35E+01	1.42E+00	1.54E+01	1.15E+01	4.09E+01	4.80E+02	2.35E+01	1.42E+00	1.54E+01	1.15E+01
2.70E+02	1.04E+02	3.49E+02	2.38E+03	2.37E+04	1.18E+04	2.70E+02	1.04E+02	3.49E+02	2.38E+03	2.37E+04	1.18E+04
3.17E+01	2.19E+01	6.33E+01	4.47E+02	4.27E+03	2.03E+03	3.17E+01	2.19E+01	6.33E+01	4.47E+02	4.27E+03	2.03E+03
1.07E+01	3.61E+01	1.30E+02	1.11E+03	6.89E+03	2.14E+03	1.07E+01	3.61E+01	1.30E+02	1.11E+03	6.89E+03	2.14E+03
2.74E+01	2.09E+01	6.79E+00	9.53E+01	4.46E+02	9.60E+02	2.74E+01	2.09E+01	6.79E+00	9.53E+01	4.46E+02	9.60E+02
1.69E+01	6.58E+01	8.37E+01	1.00E+03	5.66E+03	4.26E+03	1.69E+01	6.58E+01	8.37E+01	1.00E+03	5.66E+03	4.26E+03
1.27E+02	1.66E+02	1.69E+02	2.01E+03	1.15E+04	9.35E+03	1.27E+02	1.66E+02	1.69E+02	2.01E+03	1.15E+04	9.35E+03
1.74E+02	1.81E+02	5.03E+01	8.42E+02	3.26E+03	9.56E+03	1.74E+02	1.81E+02	5.03E+01	8.42E+02	3.26E+03	9.56E+03
2.35E+02	2.07E+02	7.58E+01	1.04E+03	5.10E+03	1.03E+04	2.35E+02	2.07E+02	7.58E+01	1.04E+03	5.10E+03	1.03E+04
1.33E+03	1.04E+03	1.17E+02	3.25E+03	6.07E+03	4.93E+04	1.33E+03	1.04E+03	1.17E+02	3.25E+03	6.07E+03	4.93E+04
7.77E+01	7.73E+01	1.98E+01	3.59E+02	1.29E+03	4.67E+03	7.77E+01	7.73E+01	1.98E+01	3.59E+02	1.29E+03	4.67E+03
3.22E+02	2.00E+02	5.42E+01	1.72E+02	4.12E+03	8.48E+03	3.22E+02	2.00E+02	5.42E+01	1.72E+02	4.12E+03	8.48E+03

SQUARE ROOT SUM OF THE SQUARES

1.349E+04	1.152E+04	1.044E+04	5.204E+05	2.418E+05	3.210E+05	1.349E+04	1.152E+04	1.044E+04	5.204E+05	2.418E+05	3.210E+05
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CLOSELY SPACED MODE SUMMATION METHOD

1.374E+04	1.167E+04	1.069E+04	5.233E+05	2.660E+05	3.369E+05	1.374E+04	1.167E+04	1.069E+04	5.233E+05	2.660E+05	3.369E+05
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ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 39)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	HZ(C)
8.23E+02	1.130E+04	3.197E+02	4.867E+05	1.993E+05	7.159E+05	7.407E+03	8.572E+03	3.197E+02	4.893E+05	1.931E+05	1.086E+06
1.166E+04	8.04E+02	9.90E+03	1.757E+05	3.523E+05	1.810E+05	8.812E+03	7.675E+03	9.90E+03	5.039E+05	4.400E+05	5.242E+04
3.91E+01	6.47E+00	2.220E+01	1.377E+03	9.87E+02	3.191E+02	3.068E+01	2.152E+01	2.220E+01	1.964E+03	4.309E+02	3.877E+01
1.86E+01	1.122E+01	3.902E+01	1.044E+03	9.718E+02	2.123E+02	5.233E+00	2.109E+01	3.902E+01	1.940E+03	1.191E+03	3.899E+02
8.63E+02	2.18E+01	7.028E+02	1.201E+04	1.340E+04	1.334E+04	6.402E+02	8.092E+02	7.028E+02	2.723E+04	2.335E+04	2.346E+03
7.17E+02	2.64E+02	9.860E+02	1.060E+04	1.040E+04	9.837E+03	6.937E+02	3.204E+02	9.860E+02	2.784E+04	3.123E+04	8.753E+03
5.41E+02	4.42E+02	1.599E+03	1.231E+04	8.88E+03	5.572E+03	6.959E+02	7.004E+01	1.599E+03	3.600E+04	4.847E+04	1.252E+04
1.021E+03	1.612E+03	2.034E+02	2.930E+04	1.511E+04	2.924E+04	4.185E+02	1.862E+03	2.034E+02	2.872E+04	1.650E+04	3.552E+04
7.582E+02	2.88E+02	2.182E+03	3.407E+04	1.070E+04	1.530E+04	3.322E+02	7.401E+02	2.182E+03	6.042E+04	5.292E+04	3.809E+03
1.168E+01	5.294E+01	4.494E+02	5.631E+03	3.383E+03	7.435E+02	4.470E+01	2.917E+01	4.494E+02	7.512E+03	7.925E+03	7.870E+02
1.017E+00	1.894E+00	2.987E+00	6.424E+01	1.290E+01	5.349E+01	6.207E-01	2.058E+00	2.987E+00	7.567E+01	4.051E+01	2.019E+01
2.368E+02	6.930E+01	3.381E+02	5.653E+03	3.059E+03	2.627E+03	2.164E+02	1.184E+02	3.381E+02	6.883E+03	6.024E+03	1.711E+03
2.255E+02	5.202E+01	4.407E+03	3.008E+03	3.067E+03	2.104E+02	1.368E+02	3.302E+02	5.392E+03	5.215E+03	1.466E+03	1.466E+03
2.783E+03	2.236E+02	1.152E+03	1.769E+04	1.213E+04	4.173E+04	2.126E+03	1.809E+03	1.152E+03	1.912E+04	1.554E+04	1.217E+04
5.509E+03	3.710E+02	1.209E+02	1.230E+04	5.358E+03	1.007E+05	3.633E+03	4.158E+03	1.209E+02	1.408E+04	1.060E+03	1.630E+04
7.458E-01	6.000E-02	2.045E-02	1.571E+00	5.411E-01	1.386E+01	4.849E-01	5.698E-01	2.045E-02	1.763E+00	7.716E-02	2.118E+00
4.239E+02	2.564E+02	2.171E+02	2.78E+03	3.75E+03	1.201E+03	4.810E+02	1.184E+02	2.171E+02	2.175E+03	2.283E+03	3.772E+03
8.617E+02	6.797E+01	1.378E+02	1.931E+02	3.819E+03	1.302E+04	6.574E+02	5.613E+02	1.378E+02	1.021E+03	1.821E+03	3.829E+03
9.246E+02	1.44E+02	7.36E+01	1.077E+03	2.711E+03	1.227E+04	7.560E+02	5.515E+02	7.36E+01	1.722E+03	1.201E+03	4.689E+03
4.099E-01	4.80E+02	2.35E+01	1.42E+00	1.55E+00	9.521E+00	3.132E-01	3.811E-01	2.35E+01	1.774E-01	2.554E+00	1.524E+00
2.701E+02	1.04E+02	3.49E+02	2.38E+03	8.45E+03	7.249E+03	1.157E+02	2.662E+02	3.49E+02	3.135E+02	3.455E+03	3.025E+02
3.17E+01	2.19E+01	6.33E+01	4.47E+02	4.44E+03	1.091E+03	6.411E+00	3.800E+01	6.33E+01	5.475E+01	6.070E+02	2.706E+01
1.974E+01	3.61E+01	1.30E+02	1.11E+03	3.2E+03	5.889E+02	3.953E+01	1.161E+01	1.30E+02	1.780E+02	1.028E+03	3.014E+02
2.74E+01	2.09E+01	6.79E+00	9.53E+01	1.54E+02	6.77E+01	3.422E+01	4.615E+00	6.79E+00	4.768E+01	3.944E+01	2.364E+02
1.69E+01	6.58E+01	8.37E+01	1.00E+03	2.06E+03	1.434E+03	5.858E+01	3.455E+01	8.37E+01	3.505E+02	4.091E+02	4.376E+02
1.27E+02	1.66E+02	1.69E+02	2.01E+03	4.27E+03	2.200E+03	2.074E+02	2.789E+01	1.69E+02	6.662E+02	9.711E+02	1.421E+03
1.74E+02	1.81E+02	5.03E+01	8.42E+02	1.12E+03	1.774E+03	2.516E+02	4.562E+00	5.03E+01	4.656E+02	2.118E+02	1.687E+03
2.350E+02	2.071E+02	7.581E+01	1.04E+03	1.86E+03	1.460E+03	3.126E+02	1.975E+01	7.581E+01	4.345E+02	3.637E+02	2.031E+03
1.337E+03	1.040E+03	1.171E+02	3.251E+03	1.771E+03	4.480E+03	1.681E+03	2.103E+02	1.171E+02	2.540E+03	1.750E+02	1.078E+04
7.770E+01	7.73E+01	1.983E+01	3.591E+02	4.403E+02	7.413E+02	1.096E+02	2.555E-01	1.983E+01	2.040E+02	8.574E+01	6.955E+02
3.221E+02	2.007E+02	5.429E+01	1.721E+02	4.129E+03	8.481E+03	3.221E+02	2.007E+02	5.429E+01	1.721E+02	4.129E+03	8.481E+03

SQUARE ROOT SUM OF THE SQUARES

1.349E+04	1.152E+04	1.044E+04	5.204E+05	2.406E+05	3.215E+05	1.349E+04	1.152E+04	1.044E+04	5.204E+05	2.406E+05	3.215E+05
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CLOSELY SPACED MODE SUMMATION METHOD

1.374E+04	1.167E+04	1.069E+04	5.233E+05	2.673E+05	3.377E+05	1.374E+04	1.167E+04	1.069E+04	5.233E+05	2.673E+05	3.377E+05
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ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 39)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
1.130E+04	8.23E+02	3.197E+02	4.867E+05	1.993E+05	7.159E+05
8.04E+02	1.166E+04	9.90E+03	1.758E+05	3.523E+05	1.810E+05
6.47E+00	2.220E+01	3.902E+01	1.044E+03	9.718E+02	2.123E+02
2.18E+01	7.028E+02	1.201E+04	1.340E+04	1.334E+04	6.402E+02
2.64E+02	9.860E+02	1.060E+04	1.040E+04	9.837E+03	6.937E+02
4.42E+02	1.599E+03	1.231E+04	8.88E+03	5.572E+03	6.959E+02
1.612E+03	2.034E+02	2.930E+04	1.511E+04	2.924E+04	4.185E+02
2.88E+02	2.182E+03	3.407E+04	1.070E+04	1.530E+04	3.322E+02
5.294E+01	4.494E+02	5.631E+03	3.383E+03	7.435E+02	4.470E+01
1.894E+00	2.987E+00	6.424E+01	1.290E+01	5.349E+01	6.207E-01
6.930E+01	3.381E+02	5.653E+03	3.059E+03	2.627E+03	2.164E+02
5.202E+01	4.407E+03	3.008E+03	3.067E+03	2.104E+02	1.368E+02
2.236E+02	1.152E+03	1.769E+04	1.213E+04	4.173E+04	2.126E+03
3.710E+02	1.209E+02	1.230E+04	5.358E+03	1.007E+05	3.633E+03
6.000E-02	2.045E-02	1.571E+00	5.411E-01	1.386E+01	4.849E-01
2.564E+02	2.171E+02	2.78E+03	3.75E+03	1.201E+03	4.810E+02
6.797E+01	1.378E+02	1.931E+02	3.819E+03	1.302E+04	6.574E+02
1.44E+02	7.36E+01	1.077E+03	2.711E+03	1.227E+04	7.560E+02
4.80E+02	2.35E+01	1.42E+00	1.55E+00	9.521E+00	3.132E-01
1.04E+02	3.49E+02	2.38E+03	8.45E+03	7.249E+03	1.157E+02
2.19E+01	6.33E+01	4.47E+02	4.44E+03	1.091E+03	6.411E+00
3.61E+01	1.30E+02	1.11E+03	3.2E+03	5.889E+02	3.953E+01
2.09E+01	6.79E+00	9.53E+01	1.54E+02	6.77E+01	3.422E+01
6.58E+01	8.37E+01	1.00E+03	2.06E+03	1.434E+03	5.858E+01
1.66E+02	1.69E+02	2.01E+03	4.27E+03	2.200E+03	2.074E+02
1.81E+02	5.03E+01	8.42E+02	1.12E+03	1.774E+03	2.516E+02
2.071E+02	7.581E+01	1.04E+03	1.86E+03	1.460E+03	3.126E+02
1.040E+03	1.171E+02	3.251E+03	1.771E+03	4.480E+03	1.681E+03
7.73E+01	1.983E+01	3.591E+02	4.403E+02	7.413E+02	1.096E+02
2.007E+02	5.429E+01	1.721E+02	4.129E+		



CLOSELY SPACED MODE COMPARISON METHOD  
 .1374E+04 .1167E+04 .1069E+04 .5233E+05 .4073E+05 .7488E+05 .1272E+04 .1275E+04 .1069E+04 .7135E+05 .4447E+05 .1089E+06

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 39)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-.1130E+04	-.8238E+02	-.3197E+02	-.2137E+05	.4723E+05	.1261E+06
-.8400E+02	.1166E+04	.9704E+03	.7980E+05	.2697E+05	-.3074E+05
.6479E+00	-.3691E+01	-.2220E+01	-.1986E+03	.3777E+02	.1050E+03
.1122E+01	.1862E+01	.3902E+01	.2728E+03	.7119E+02	-.1130E+03
-.2188E+01	.8835E+02	.7028E+02	.4503E+04	.1962E+04	-.2543E+04
-.2640E+02	.7171E+02	.9860E+02	.5477E+04	.3377E+04	-.1055E+04
.425E+02	-.5416E+02	-.1597E+03	-.8085E+04	-.5966E+04	-.1115E+03
-.1612E+03	-.1021E+03	.2034E+02	-.5960E+03	.3845E+04	.8925E+04
-.2844E+02	-.7582E+02	-.2182E+03	-.1089E+05	-.6413E+04	.3180E+04
-.5294E+01	.1168E+01	-.4494E+02	-.1684E+04	-.1459E+04	.1113E+03
.1894E+00	.1017E+00	-.2987E+00	-.1215E+02	-.7019E+01	-.7751E+01
-.6930E+01	.2368E+02	-.3831E+02	-.1418E+04	-.1158E+04	-.4910E+03
-.5202E+01	.2455E+02	-.3302E+02	-.1125E+04	-.1038E+04	-.5641E+03
-.2236E+02	.2783E+03	-.1152E+03	-.3973E+04	.3417E+04	-.7342E+04
.3710E+02	.5509E+03	-.1209E+02	-.1080E+04	.6857E+03	-.1639E+05
-.6000E+02	-.7458E+01	.2045E+02	.1461E+00	-.6502E+01	.2740E+01
.2564E+02	-.4239E+02	.2171E+02	.6014E+03	.6984E+03	.6337E+03
-.6797E+01	.8617E+02	.1378E+02	.2382E+03	.6394E+03	-.2269E+04
.1446E+02	-.9246E+02	-.7363E+01	-.6019E+02	-.4410E+03	.2282E+04
.4802E+02	.4909E+01	.2355E+01	.5035E+00	.9173E+00	-.1473E+01
.1044E+02	.2701E+02	.3493E+02	.7269E+03	.1334E+04	-.9694E+03
.2198E+01	.3176E+01	.6336E+01	.1303E+03	.2407E+03	-.1327E+03
.3616E+01	-.1974E+01	.1302E+02	.2568E+03	.4743E+03	-.1477E+02
.2694E+01	-.2746E+01	-.6792E+00	-.1511E+02	-.2103E+02	-.3614E+02
-.6585E+01	.1699E+01	.8376E+01	.1705E+03	.2760E+03	.7649E+02
.1664E+02	-.1270E+02	-.1492E+02	-.3388E+03	-.5640E+03	.4251E+02
-.1811E+02	.1747E+02	.5031E+01	.1142E+03	.1421E+03	-.1483E+03
-.2671E+02	.2350E+02	.7581E+01	.1564E+03	.2362E+03	-.2717E+03
-.1040E+03	.1337E+03	.1171E+02	.3498E+03	.2019E+03	-.1806E+04
.7734E+01	-.7770E+01	-.1983E+01	-.4521E+02	-.5333E+02	.7576E+02
-.2007E+02	.3221E+02	-.5429E+01	-.6481E+02	-.2271E+03	-.5311E+03

SQUARE ROOT SUM OF THE SQUARES

.1152E+04 .1349E+04 .1040E+04 .8416E+05 .5556E+05 .1315E+06  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .1167E+04 .1374E+04 .1069E+04 .8486E+05 .5661E+05 .1318E+06

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 40)

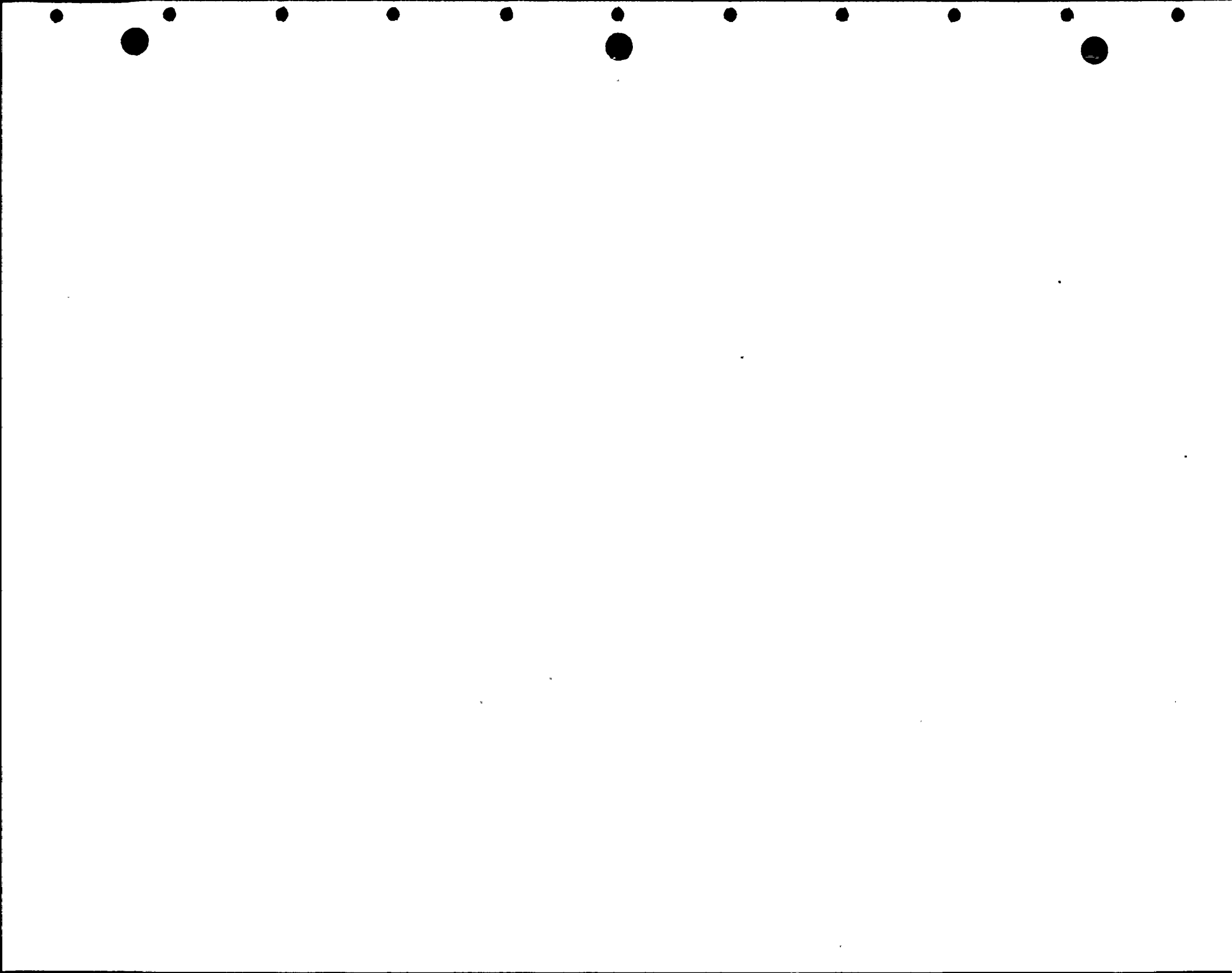
PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-.1130E+04	-.3400E+01	.8030E+02	-.2137E+05	.1039E+06	-.8573E+05	-.1130E+04	-.3400E+01	.8830E+02	-.2137E+05	.1039E+06	-.8573E+05
-.8400E+02	.5568E+03	-.1425E+04	.7980E+05	-.3786E+05	-.1551E+05	-.8400E+02	.5568E+03	-.1425E+04	.7980E+05	-.3786E+05	-.1551E+05
.6478E+00	-.8971E+00	.4213E+01	-.1986E+03	.8701E+02	-.6991E+02	.6478E+00	-.8971E+00	.4213E+01	-.1986E+03	.8711E+02	-.6989E+02
.1122E+01	.3083E+01	-.3031E+01	.2728E+03	-.3051E+02	.1122E+01	.3083E+01	-.3031E+01	.2728E+03	-.3051E+02	-.1301E+03	-.3059E+02
-.2188E+01	.3769E+02	-.1064E+03	.4503E+04	-.3043E+04	-.1027E+04	-.2188E+01	.3769E+02	-.1064E+03	.4503E+04	-.3046E+04	-.1028E+04
-.2640E+02	.6988E+02	-.9991E+02	.5477E+04	-.2098E+04	-.2450E+04	-.2640E+02	.6988E+02	-.9991E+02	.5477E+04	-.2100E+04	-.2851E+04
.425E+02	-.1336E+03	.1033E+03	.1837E+04	.5677E+04	.4425E+02	.1033E+03	-.8045E+04	.1840E+04	.5680E+04	-.1840E+04	-.6543E+04
-.1612E+03	.5246E+02	-.8988E+02	-.5960E+03	.7187E+04	-.6542E+04	-.1612E+03	.5246E+02	.8988E+02	-.5960E+03	.7189E+04	-.6543E+04
-.2844E+02	-.1816E+03	.1427E+03	.1089E+05	.5095E+04	.5028E+04	-.2844E+02	-.1816E+03	.1427E+03	-.1089E+05	.5098E+04	.5033E+04
-.5294E+01	-.4287E+02	.1353E+02	-.1684E+04	.5603E+03	.1343E+04	-.5294E+01	-.4287E+02	.1353E+02	-.1684E+04	.5807E+03	.1344E+04
.1894E+00	-.3155E+00	.1151E+02	-.1215E+02	-.5043E+01	.9160E+01	.1894E+00	-.3155E+00	.1151E+02	-.1215E+02	-.5043E+01	.9167E+01
-.6930E+01	-.4393E+02	-.9915E+01	-.1418E+04	-.8704E+02	.1255E+04	-.6930E+01	-.4393E+02	-.9915E+01	-.1418E+04	-.8727E+02	.1256E+04
-.5202E+01	-.3922E+02	-.1246E+02	-.1185E+04	-.1953E+03	.1165E+04	-.5202E+01	-.3922E+02	-.1246E+02	-.1185E+04	-.1956E+03	.1166E+04
-.2236E+02	-.1996E+03	-.2256E+03	-.3973E+04	-.5829E+04	.5621E+04	-.2236E+02	-.1996E+03	-.2256E+03	-.3973E+04	-.5835E+04	.5626E+04
.3710E+02	-.1906E+03	-.5169E+03	-.1680E+04	-.1572E+05	.4488E+04	.3710E+02	-.1906E+03	-.5169E+03	-.1680E+04	.1573E+05	.4493E+04
-.6000E+02	.2622E+01	.6984E+01	.1461E+03	.3717E+03	-.8667E+03	-.6000E+02	.2622E+01	.6984E+01	.1461E+03	.3725E+03	-.8675E+03
.2564E+02	.3433E+02	.3301E+02	.6014E+03	.3717E+03	-.8667E+03	.2564E+02	.3433E+02	.3301E+02	.6014E+03	.3725E+03	-.8675E+03
-.6797E+01	-.1503E+02	-.8594E+02	.2382E+03	-.2354E+04	.1345E+03	-.6797E+01	-.1503E+02	-.8594E+02	.2382E+03	-.2350E+04	.1346E+03
.1446E+02	.2314E+02	.8981E+02	-.6019E+02	.2302E+04	-.3763E+03	.1446E+02	.2314E+02	.8981E+02	-.6019E+02	.2304E+04	-.3766E+03
.4802E+02	.6279E+02	.5406E+01	.5035E+00	.1071E+01	-.3677E+00	.4802E+02	.6279E+02	.5406E+01	.5035E+00	-.1693E+01	-.3876E+00
.1044E+02	.2423E+02	-.3691E+02	.7269E+03	-.1351E+04	-.9453E+03	.1044E+02	.2423E+02	-.3691E+02	.7269E+03	-.1352E+04	-.9459E+03
.2198E+01	.4957E+01	-.5066E+01	.1303E+03	-.2039E+03	-.1483E+03	.2198E+01	.4957E+01	-.5066E+01	.1303E+03	-.2040E+03	-.1644E+03
.3616E+01	.1295E+02	-.2372E+01	.2568E+03	-.1086E+03	-.4435E+03	.3616E+01	.1295E+02	-.2372E+01	.2568E+03	-.1680E+03	-.4438E+03
.2094E+01	.2520E+00	.2818E+01	-.1511E+02	.4102E+02	.8114E+01	.2094E+01	.2520E+00	.2818E+01	-.1511E+02	.4109E+02	.8106E+01
-.6585E+01	.7366E+01	-.4334E+01	.1709E+03	-.1775E+02	-.2064E+03	-.6585E+01	.7366E+01	-.4334E+01	.1709E+03	-.1785E+02	-.2666E+03
.1464E+02	-.1187E+02	.1751E+02	-.3388E+03	.2225E+03	.5156E+03	.1464E+02	-.1187E+02	.1751E+02	-.3388E+03	.2230E+03	.5159E+03



-.600E-02	.2622E-01	.6984E-01	.1001E+00	.2139E+01	-.6680E+00	.5000E-02	.262E-01	.6984E-01	.1451E+00	.2091E+01	-.6686E+00
.2564E+02	.3433E+02	.3301E+02	.6014E+03	.3717E+03	-.8667E+03	.2564E+02	.3433E+02	.3301E+02	.6014E+03	.3717E+03	-.8675E+03
.797E+01	-.1503E+02	-.8596E+02	.2382E+03	-.2354E+04	.1345E+03	.797E+01	-.1503E+02	-.8596E+02	.2382E+03	-.2356E+04	.1346E+03
.46E+02	.2314E+02	.8981E+02	-.6019E+02	.2302E+04	-.3763E+03	.46E+02	.2314E+02	.8981E+02	-.6019E+02	.2304E+04	-.3286E+03
.602E-02	.4219E-02	-.5406E-01	.5035E+00	-.1691E+01	-.3877E+00	.602E-02	.4219E-02	-.5408E-01	.5035E+00	-.1693E+01	-.3878E+00
.1664E+02	.2423E+02	-.3691E+02	.7269E+03	-.1351E+04	-.9453E+03	.1664E+02	.2423E+02	-.3691E+02	.7269E+03	-.1352E+04	-.9459E+03
.2198E+01	.4957E+01	-.5066E+01	.1303E+03	-.2039E+03	-.1843E+03	.2198E+01	.4957E+01	-.5066E+01	.1303E+03	-.2040E+03	-.1644E+03
.3616E+01	.1295E+02	-.2372E+01	.2564E+03	-.1686E+03	-.4435E+03	.3616E+01	.1295E+02	-.2372E+01	.2568E+03	-.1686E+03	-.4436E+03
.2094E+01	.2520E+00	.2812E+01	-.1511E+02	.4102E+02	.8114E+01	.2094E+01	.2520E+00	.2818E+01	-.1511E+02	.4109E+02	.8108E+01
-.6585E+01	.7366E+01	-.4334E+01	.1709E+03	-.1775E+02	-.2064E+03	-.6585E+01	.7366E+01	-.4334E+01	.1709E+03	-.1785E+02	-.2066E+03
.1664E+02	-.1187E+02	.1751E+02	-.3388E+03	.2425E+03	.5156E+03	.1664E+02	-.1187E+02	.1751E+02	-.3388E+03	.2230E+03	.5159E+03
-.1811E+02	-.9300E+00	-.1815E+02	.1142E+03	-.1666E+03	-.8610E+02	-.1811E+02	-.9300E+00	-.1815E+02	.1142E+03	-.1870E+03	-.8607E+02
-.2071E+02	-.4839E+00	-.2469E+02	.1564E+03	-.3338E+03	-.1349E+03	-.2071E+02	-.4839E+00	-.2469E+02	.1564E+03	-.3344E+03	-.1348E+03
-.1040E+03	-.3247E+02	-.1302E+03	.3494E+03	-.1773E+04	.3973E+03	-.1040E+03	-.3247E+02	-.1302E+03	.3498E+03	-.1777E+04	.3980E+03
.7734E+01	.6551E+00	.7993E+01	-.4521E+02	.8970E+02	.2575E+02	.7734E+01	.6551E+00	.7993E+01	-.4521E+02	.8914E+02	.2574E+02
-.2007E+02	-.1562E+02	-.2869E+02	-.6481E+02	-.4282E+03	.3876E+03	-.2007E+02	-.1562E+02	-.2869E+02	-.6481E+02	-.4289E+03	.3880E+03

SQUARE ROOT SUM OF THE SQUARES

.1152E+04	.6750E+03	.1566E+04	.8416E+05	.1123E+06	.8610E+05	.1152E+04	.6750E+03	.1566E+04	.8416E+05	.1123E+06	.8610E+05
CLOSELY SPACED PCODE SUMMATION METHOD											
.1167E+04	.7165E+03	.1597E+04	.8426E+05	.1129E+06	.8910E+05	.1167E+04	.7165E+03	.1597E+04	.8426E+05	.1129E+06	.8910E+05



# PIPING BENCHMARK PROBLEM 323A

## Y-DIRECTION SPECTRUM

SAVE	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DIRECTION	0	2	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FREQ	1	0	.5000	1.5625	1.5625	4.7619	4.7619	999.0000
G	1	6	.2800	.3701	3.0797	3.0797	.1900	.1900
ENDJOB								





PIPING BENCHMARK PROBLEM 323A

Y-DIRECTION SPECTRUM

C O N T R O L   I N F O R M A T I O N

NUMBER OF NODAL POINTS = 57  
NUMBER OF ELEMENT TYPES = 2  
NUMBER OF LOAD CASES = 0  
NUMBER OF FREQUENCIES = 31  
ANALYSIS CODE (NDYN) = -3  
EQ.0, STATIC  
EQ.1, MOCAL EXTRACTION  
EQ.2, FORCED RESPONSE  
EQ.3, RESPONSE SPECTRUM  
EQ.4, DIRECT INTEGRATION  
SOLUTION MOCF (MOCEx) = 0  
EQ.0, EXECUTION  
EQ.1, DATA CHECK  
NUMBER OF SUBSPACE  
ITERATION VECTORS (NAD) = 0  
EQUATIONS PER BLOCK = 0  
TAPEIO SAVE FLAG (N10SV) = 0



# RESPONSE SPECTRUM ANALYSIS

## DIRECTION FACTORS

X = 0.0000 Y = 1.0000 Z = 0.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION

## MODAL PARTICIPATION FACTORS

MODE	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	.6081E+00	-.5976E+01	-.1228E+00
2	-.5761E+01	-.1999E+00	-.2996E+01
3	-.5594E+00	-.3153E+01	-.1949E+01
4	.2036E+01	.9989E-01	-.3541E+01
5	-.3312E+01	.6606E-03	-.7387E+01
6	.4788E+01	-.3025E+01	-.2999E+01
7	.3712E+01	.1286E+00	.3630E+01
8	.1371E+01	.2058E-01	-.3479E+00
9	-.5872E+01	-.1796E+01	.4261E+01
10	.5588E+00	-.4285E+00	-.2995E+01
11	.1569E+00	.6777E+01	-.8901E+00
12	.9504E+00	.8990E+00	.1064E+01
13	.1047E+01	-.1357E+00	.1525E+01
14	-.1941E+01	-.1118E+00	.1562E+01
15	-.3199E+01	.1090E+01	.1983E+01
16	.2090E-02	-.6167E+00	.2272E-03
17	.7459E+00	.1713E+01	-.1775E+01
18	-.1389E+01	-.4045E+01	-.3839E+00
19	.1405E+01	-.2150E+01	.1599E+00
20	-.1496E-02	.5104E+00	-.1051E+01
21	-.8649E+00	.2149E+01	-.3526E+00
22	.1662E+00	-.2118E+01	-.9318E-01



17	.745E+00	.1713E+01	.1775E+01
18	-.1389E+01	-.0005E+01	-.3839E+00
19	.1405E+01	-.2156E+01	.1599E+00
20	-.1496E+02	.5104E+00	-.1091E+01
21	-.8649E+00	.2149E+01	-.3526E+00
22	.1662E+00	-.2118E+01	-.9318E-01
23	-.6181E+00	.7952E+00	-.1369E+01
24	-.5036E+00	-.3018E+00	.6451E-01
25	.4916E+00	.1033E+00	-.2799E+00
26	.8033E+00	.1092E+01	-.8925E+00
27	-.9497E+00	-.1155E+00	-.6442E+00
28	-.7053E+00	.2275E+00	-.9200E+00
29	-.1407E+01	-.1390E+01	.6889E+00
30	.4095E+00	.3457E+00	-.2222E+00
31	-.7992E+00	-.1622E+00	.2912E-01

# SPECTRUM TABLE (PIPING BENCHMARK PROBLEM 323A

## Y-DIRECTION SPECTRUM

NUMBER OF POINTS = 6  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.1000E-02	.7342E+02
2	.2100E+00	.7342E+02
3	.2100E+00	.1190E+04
4	.6400E+00	.1190E+04
5	.6400E+00	.1430E+03
6	.2000E+01	.1087E+03



# N O D E   D I S P L A C E M E N T S / R O T A T I O N S

NODE NUMBER SAP THR	NODE NUMBER	X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
---------------------------	----------------	-------------------	-------------------	-------------------	----------------	----------------	----------------

57	66	1	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.
		6	0.	0.	0.	0.	0.
		7	0.	0.	0.	0.	0.
		8	0.	0.	0.	0.	0.
		9	0.	0.	0.	0.	0.
		10	0.	0.	0.	0.	0.
		11	0.	0.	0.	0.	0.
		12	0.	0.	0.	0.	0.
		13	0.	0.	0.	0.	0.
		14	0.	0.	0.	0.	0.
		15	0.	0.	0.	0.	0.
		16	0.	0.	0.	0.	0.
		17	0.	0.	0.	0.	0.
		18	0.	0.	0.	0.	0.
		19	0.	0.	0.	0.	0.
		20	0.	0.	0.	0.	0.
		21	0.	0.	0.	0.	0.
		22	0.	0.	0.	0.	0.
		23	0.	0.	0.	0.	0.
		24	0.	0.	0.	0.	0.
		25	0.	0.	0.	0.	0.
		26	0.	0.	0.	0.	0.
		27	0.	0.	0.	0.	0.
		28	0.	0.	0.	0.	0.
		29	0.	0.	0.	0.	0.
		30	0.	0.	0.	0.	0.
		31	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SQRT. SUM OF SC	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

56	65	1	0.	0.	0.	0.	0.
		2	0.	0.	0.	0.	0.
		3	0.	0.	0.	0.	0.
		4	0.	0.	0.	0.	0.
		5	0.	0.	0.	0.	0.
		6	0.	0.	0.	0.	0.
		7	0.	0.	0.	0.	0.
		8	0.	0.	0.	0.	0.
		9	0.	0.	0.	0.	0.
		10	0.	0.	0.	0.	0.
		11	0.	0.	0.	0.	0.
		12	0.	0.	0.	0.	0.
		13	0.	0.	0.	0.	0.
		14	0.	0.	0.	0.	0.
		15	0.	0.	0.	0.	0.
		16	0.	0.	0.	0.	0.
		17	0.	0.	0.	0.	0.
		18	0.	0.	0.	0.	0.
		19	0.	0.	0.	0.	0.
		20	0.	0.	0.	0.	0.
		21	0.	0.	0.	0.	0.
		22	0.	0.	0.	0.	0.





12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SQ  
CLS Y SP MODES

55 64

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SQ  
CLS Y SP MODES

5a 63

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.



4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31

MAXIMUM VALUE  
ABSOLUTE SUM  
SCRT. SUM OF SG  
CLS LY SP MODES

53 62

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31

MAXIMUM VALUE  
ABSOLUTE SUM  
SCRT. SUM OF SG  
CLS LY SP MODES

52 61

1  
2  
3  
4  
5  
6



MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SG  
CLS. SP MODES

52 61

1 0.  
2 0.  
3 0.  
4 0.  
5 0.  
6 0.  
7 0.  
8 0.  
9 0.  
10 0.  
11 0.  
12 0.  
13 0.  
14 0.  
15 0.  
16 0.  
17 0.  
18 0.  
19 0.  
20 0.  
21 0.  
22 0.  
23 0.  
24 0.  
25 0.  
26 0.  
27 0.  
28 0.  
29 0.  
30 0.  
31 0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SG  
CLS. SP MODES

51 60

1 0.  
2 0.  
3 0.  
4 0.  
5 0.  
6 0.  
7 0.  
8 0.  
9 0.  
10 0.  
11 0.  
12 0.  
13 0.  
14 0.  
15 0.  
16 0.  
17 0.  
18 0.  
19 0.  
20 0.  
21 0.  
22 0.  
23 0.  
24 0.  
25 0.  
26 0.  
27 0.  
28 0.  
29 0.  
30 0.  
31 0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SG



24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SGRT. SUM OF SG  
CLS LY SP MGDES

50 59

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SGRT. SUM OF SG  
CLS LY SP MGDES

49 58

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.





17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SORT-SUM OF SP	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

48, 57,

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SORT-SUM OF SP	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

47 56

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.



10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SORT. SUM OF SC  
CLS LY SP NCDES

46 55

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SORT. SUM OF SC  
CLS LY SP NCDES

45 54

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.



45 4

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SGRT. SUM OF SC  
CLS LY SP MODES

44 53

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SGRT. SUM OF SC  
CLS LY SP MODES

43 52

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.



MAXIMUM VALUE  
 ABSOLUTE SUM  
 SQR.T. SUM OF SQ  
 CLS.LY SP MODES

43 52

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE  
 ABSOLUTE SUM  
 SQR.T. SUM OF SQ  
 CLS.LY SP MODES

42 41

1	.98157E-07	-.12561E-05	.37836E-08	-.95307E-06	-.23757E-06	-.11549E-05
2	-.47940E-07	-.27051E-08	-.18734E-07	-.52231E-08	.26850E-07	.12750E-07
3	.24795E-07	.38131E-08	.52804E-08	-.41137E-08	-.11689E-07	-.51269E-08
4	-.15838E-09	.58612E-10	-.16110E-09	-.15984E-10	.14254E-09	.67991E-10
5	-.23088E-10	-.47469E-12	-.81763E-11	-.22305E-11	.97693E-11	.66076E-11
6	-.69857E-07	-.18458E-07	-.45859E-07	-.19937E-07	.38293E-07	.14683E-07
7	.40240E-08	.17242E-08	.52041E-08	.22131E-08	-.31500E-08	-.71676E-09
8	.15241E-08	-.27343E-08	-.88909E-09	-.11095E-08	-.10106E-09	-.12190E-08
9	.50032E-07	-.10109E-07	.63065E-07	.17647E-07	-.38170E-07	-.17869E-07
10	.12389E-07	-.40848E-08	.39260E-07	.12312E-07	-.15421E-07	-.53179E-08
11	.59691E-10	.96205E-08	.16358E-07	.47523E-08	-.62998E-08	.26142E-08
12	-.11334E-07	-.79216E-08	.50216E-07	.14361E-07	-.16202E-07	.99764E-09
13	-.19539E-08	-.81560E-09	.61490E-08	.18285E-08	-.14584E-08	.30670E-09
14	-.15931E-07	-.15793E-08	.14094E-07	.39735E-08	-.28059E-08	.41208E-08
15	-.21855E-06	.15686E-07	.80673E-07	.19841E-07	-.45653E-08	.66509E-07
16	.25576E-07	-.21972E-08	-.96001E-08	-.24484E-08	.53510E-09	-.78400E-08
17	.95167E-07	.73928E-07	-.96992E-07	-.25015E-07	.17343E-07	-.10742E-07
18	-.34057E-06	-.27405E-07	.60599E-07	.54352E-08	.96033E-08	.94940E-07
19	.17377E-06	.27971E-07	-.44778E-07	-.63227E-08	-.11645E-08	-.44574E-07
20	-.23356E-07	.20737E-08	-.27119E-08	-.16747E-08	.21743E-08	.73100E-08
21	-.11066E-06	.33035E-07	-.76587E-07	-.29891E-07	.22973E-07	.42723E-07
22	-.82272E-07	.35703E-07	-.80500E-07	-.24953E-07	.21161E-07	.33128E-07
23	-.39227E-08	.59746E-08	-.21417E-07	-.73403E-08	.42472E-08	.27890E-08
24	.21764E-08	.16170E-08	-.19466E-09	.62623E-10	-.11073E-09	-.31738E-09
25	-.11774E-08	-.17840E-08	-.20010E-08	-.77853E-09	.46426E-09	.48490E-10
26	.28719E-07	.27287E-07	.19456E-07	.84600E-08	-.55557E-08	-.36560E-08
27	-.28638E-08	-.26573E-08	.14673E-09	-.13580E-09	.18019E-09	.29502E-09
28	-.10364E-07	-.84925E-08	.20316E-09	-.56614E-09	.65645E-09	.14040E-08
29	-.14763E-06	-.13383E-06	.41789E-07	.51232E-08	.45027E-08	.22867E-07
30	.68115E-08	.65264E-08	-.72225E-09	.28375E-09	-.49840E-09	-.98325E-09
31	-.76231E-08	-.53339E-08	.41511E-08	.16312E-08	-.17224E-09	.11399E-08





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14	-.4030E-05	-.6400E-05	-.1365E-04	-.1589E-06	-.10905E-07	-.91846E-07
15	-.12031E-03	-.10871E-03	-.37437E-04	-.22781E-06	-.15118E-06	-.15255E-06
16	-.14223E-04	-.12980E-04	-.47453E-05	-.18241E-07	-.16771E-07	-.19872E-07
17	-.12380E-04	-.13465E-04	-.80578E-04	-.9328E-07	-.40886E-06	-.13677E-05
18	-.17389E-03	-.11336E-03	-.33258E-04	-.19391E-05	-.11985E-06	-.49664E-07
19	-.75099E-04	-.47068E-04	-.25658E-05	-.75252E-06	-.14849E-07	-.26872E-06
20	-.15487E-04	-.78465E-05	-.94873E-05	-.24971E-06	-.28160E-07	-.81028E-07
21	-.10464E-03	-.58024E-04	-.11619E-03	-.25001E-05	-.17654E-06	-.10504E-05
22	-.86153E-04	-.46155E-04	-.11212E-03	-.22731E-05	-.12129E-06	-.10217E-05
23	-.90241E-05	-.23898E-05	-.23898E-04	-.42723E-06	-.16772E-07	-.19439E-06
24	-.33699E-06	-.30711E-06	-.45547E-06	-.12583E-07	-.48921E-09	-.10036E-07
25	-.13143E-06	-.10044E-05	-.25105E-05	-.41911E-07	-.65132E-08	-.33357E-08
26	-.59045E-05	-.98982E-05	-.28830E-04	-.52223E-06	-.66900E-07	-.37335E-08
27	-.12612E-06	-.81284E-06	-.72699E-06	-.16163E-07	-.15642E-08	-.14358E-07
28	-.14110E-05	-.18094E-05	-.28182E-05	-.65541E-07	-.89867E-08	-.36653E-07
29	-.18081E-04	-.19844E-04	-.39421E-05	-.34403E-06	-.43877E-08	-.81211E-06
30	-.57465E-06	-.20383E-05	-.17627E-05	-.59832E-07	-.58825E-08	-.36821E-07
31	-.87982E-06	-.73003E-07	-.21008E-05	-.20947E-07	-.10367E-07	-.44266E-07

MAXIMUM VALUE	.39677E-02	.79892E-02	.31509E-02	.13212E-03	.36800E-05	.22404E-03
ABSOLUTE SUM	.48545E-02	.85379E-02	.41896E-02	.15203E-03	.15447E-04	.23237E-04
SQRT. SUM OF SQ	.39780E-02	.79914E-02	.31659E-02	.13225E-03	.59523E-05	.22406E-03
CLSLY SP MODES	.39854E-02	.79929E-02	.31734E-02	.13234E-03	.61622E-05	.22407E-03

39 38	1	.39452E-02	-.19300E-01	-.32214E-02	-.14665E-03	-.38509E-07	-.22870E-03
	2	-.82935E-04	-.65470E-05	-.18538E-03	-.14053E-05	.23793E-05	.29058E-06
	3	.26898E-04	-.15867E-04	.41265E-04	-.20343E-06	-.75102E-06	-.36525E-07
	4	-.43938E-06	.40852E-06	-.80301E-06	-.30578E-08	.10374E-07	.56269E-08
	5	-.32576E-07	.87433E-08	-.62840E-07	-.49424E-09	.73986E-09	.14837E-09
	6	-.10009E-03	-.52534E-04	-.27666E-03	-.27698E-05	.27770E-05	.12571E-10
	7	.72999E-05	.58164E-05	.24036E-04	.25745E-06	-.21857E-06	-.76367E-08
	8	.30309E-05	-.11001E-04	-.38657E-05	-.10424E-06	.45429E-08	-.76423E-07
	9	.10819E-03	-.44679E-04	.23697E-03	.18956E-05	-.22510E-05	-.95625E-06
	10	.36251E-04	-.10285E-04	.74816E-04	.92815E-06	-.56540E-06	-.41111E-06
	11	.97593E-06	.20834E-04	.34159E-04	.23310E-06	-.19981E-06	.40826E-07
	12	.24695E-04	-.67494E-05	.96174E-04	.80629E-06	-.51517E-06	-.08929E-06
	13	.20672E-05	-.25572E-06	.11439E-04	.10090E-06	-.56424E-07	-.58880E-07
	14	-.33411E-05	.38092E-05	.16214E-04	.11745E-06	-.63747E-07	-.12551E-06
	15	-.12192E-03	.95875E-04	.55991E-04	-.59895E-06	-.17145E-06	-.56435E-06
	16	.14532E-04	-.11737E-04	-.56916E-05	.61960E-07	.17410E-07	.67041E-07
	17	-.15518E-04	.60945E-04	-.96625E-04	-.83159E-06	-.13312E-07	.11043E-05
	18	-.18053E-03	.63512E-04	-.32830E-04	-.22112E-05	-.35538E-06	-.80998E-06
	19	.78174E-04	-.15541E-04	-.39608E-06	.89822E-06	.15927E-06	.54454E-06
	20	-.16100E-03	.81959E-05	-.10064E-04	-.26235E-06	-.51588E-07	.16015E-08
	21	-.10088E-03	.58592E-04	-.11985E-03	-.25073E-05	-.70024E-06	.49968E-06
	22	-.87115E-04	.50763E-04	-.11199E-03	-.22625E-05	.79032E-06	.55126E-06
	23	-.92677E-05	.47173E-05	-.22178E-04	-.40009E-06	-.19178E-06	.14369E-06
	24	.35993E-06	.94444E-06	.40171E-06	.87453E-08	.45242E-08	.40042E-08
	25	-.39544E-07	-.13860E-05	-.22178E-05	-.31707E-07	-.22744E-07	.14054E-07
	26	.48706E-05	.17173E-04	.24651E-04	.39845E-06	.29113E-06	-.12767E-06
	27	-.10150E-06	-.16398E-05	-.01531E-06	-.82671E-08	-.76276E-08	-.64038E-09
	28	-.10071E-05	-.43579E-05	-.22471E-05	-.47081E-07	-.34365E-07	.90053E-09
	29	-.21680E-04	-.61110E-04	-.28844E-05	-.57745E-07	-.91566E-07	-.27102E-06
	30	.61308E-06	.41498E-05	.14082E-05	.16372E-07	.22491E-07	-.38274E-08
	31	-.12126E-05	-.18209E-05	.16201E-05	.26235E-07	.24048E-07	-.25739E-07

MAXIMUM VALUE	.39452E-02	.19300E-01	.32214E-02	.14665E-03	.27776E-05	.22870E-03
ABSOLUTE SUM	.50021E-02	.19941E-01	.47269E-02	.16614E-03	.12691E-04	.23593E-03
SQRT. SUM OF SQ	.39585E-02	.19301E-01	.32568E-02	.14677E-03	.45811E-05	.22871E-03
CLSLY SP MODES	.39666E-02	.19361E-01	.32671E-02	.14685E-03	.48947E-05	.22872E-03

38 37	1	.40462E-02	-.42682E-01	-.29292E-02	-.16853E-03	-.63535E-05	-.21540E-03
	2	-.14910E-03	-.16473E-04	-.37303E-03	-.11886E-05	.19008E-05	.79901E-07
	3	.48403E-04	-.26815E-04	.10140E-03	-.02629E-06	-.60792E-06	.19916E-07
	4	-.71070E-06	.72622E-06	-.15811E-05	-.12110E-08	.71188E-08	.32432E-08
	5	-.51846E-07	.30624E-08	-.11668E-06	-.40075E-09	.47809E-09	.36266E-10
	6	-.16735E-03	-.12715E-03	-.44620E-03	-.23735E-05	.14870E-05	.98534E-07
	7	.12246E-04	.11516E-04	.38136E-04	.22611E-06	-.97418E-07	-.30563E-07
	8	.31363E-05	-.17474E-04	-.36785E-05	-.10162E-06	-.85158E-08	.17470E-08
	9	.15630E-03	-.54304E-04	.37415E-03	.14602E-05	-.79043E-06	-.42626E-06
	10	.41220E-04	-.13215E-04	.10950E-03	.74153E-06	.27585E-06	-.22070E-06
	11	.26207E-05	.19406E-04	.39109E-04	-.42915E-08	.11442E-06	-.17561E-06
	12	.26962E-04	-.22371E-04	.10552E-03	.55467E-06	.32766E-06	-.30224E-06
	13	.25719E-05	-.22815E-05	.12121E-04	.72302E-07	.43331E-07	-.42222E-07
	14	-.01751E-05	-.58552E-05	.17428E-04	.55264E-07	.80099E-07	-.12870E-06
	15	-.12227E-03	.32026E-04	.01492E-04	-.11372E-05	-.13510E-06	-.13889E-06
	16	.14601E-04	.34245E-05	-.70923E-05	.12556E-06	.88615E-08	.17005E-06



6	-.12735E-03	-.12735E-03	-.4462E-03	-.23735E-05	-.14870E-07	-.98534E-07
7	-.12246E-04	-.1151E-04	-.38136E-04	-.22611E-06	-.97418E-07	-.30563E-07
8	-.3136E-05	-.17474E-04	-.36785E-05	-.10162E-06	-.85758E-08	-.17470E-08
9	-.15630E-03	-.54306E-04	-.37415E-03	-.1490E-06	-.79043E-06	-.42626E-06
10	-.41220E-04	-.13215E-04	-.10950E-03	-.74153E-06	-.27565E-06	-.22070E-06
11	-.26207E-05	-.19406E-04	-.39109E-04	-.42916E-08	-.11442E-06	-.17561E-06
12	-.26962E-04	-.22373E-04	-.10552E-03	-.55467E-06	-.32766E-06	-.30224E-06
13	-.25719E-05	-.22815E-05	-.12121E-04	-.72302E-07	-.43331E-07	-.42222E-07
14	-.41961E-05	-.58552E-05	-.17428E-04	-.55264E-07	-.80099E-07	-.12870E-06
15	-.12277E-03	-.32026E-04	-.1492E-04	-.11372E-05	-.13510E-06	-.13889E-05
16	-.14601E-04	-.34245E-05	-.70923E-05	-.12556E-06	-.88619E-08	-.17005E-06
17	-.55892E-05	-.80151E-04	-.47715E-04	-.69612E-06	-.93071E-06	-.22351E-06
18	-.16001E-03	-.10665E-03	-.38025E-04	-.22448E-05	-.11787E-05	-.79700E-06
19	-.72768E-04	-.62255E-04	-.28780E-04	-.90168E-06	-.37784E-06	-.25327E-06
20	-.17027E-04	-.50647E-05	-.26122E-05	-.25540E-06	-.18340E-06	-.65728E-07
21	-.56649E-04	-.18418E-04	-.26240E-04	-.23837E-05	-.19539E-05	-.20411E-06
22	-.38693E-04	-.10415E-04	-.27034E-04	-.21445E-05	-.17962E-05	-.13156E-06
23	-.19071E-05	-.41034E-06	-.95595E-05	-.34623E-06	-.34300E-06	-.39950E-07
24	-.15751E-06	-.43769E-06	-.38226E-06	-.15104E-08	-.89939E-08	-.15317E-07
25	-.10910E-05	-.30021E-06	-.13062E-05	-.13907E-07	-.35213E-07	-.27043E-07
26	-.68615E-05	-.14968E-05	-.18674E-04	-.16440E-06	-.38343E-06	-.33698E-06
27	-.15907E-06	-.17668E-07	-.59834E-06	-.69920E-08	-.11930E-07	-.24791E-07
28	-.23147E-07	-.86354E-07	-.27032E-05	-.36020E-08	-.36181E-07	-.70997E-07
29	-.19900E-04	-.25816E-05	-.14923E-04	-.53622E-06	-.14372E-06	-.85950E-06
30	-.17730E-06	-.10711E-05	-.18605E-05	-.20920E-07	-.21978E-07	-.55896E-07
31	-.22474E-05	-.24001E-06	-.11664E-05	-.39535E-07	-.12822E-07	-.19386E-07

	MAXIMUM VALUE	ABSOLUTE SUM	SQRT SUM OF SC	CLS LY SP MODES
	.40462E-02	.42688E-01	.29292E-02	.16853E-03
	.51780E-02	.43331E-01	.96714E-02	.18719E-03
	.40424E-02	.42684E-01	.30206E-02	.16862E-03
	.40675E-02	.42689E-01	.36321E-02	.16869E-03

37	36	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
		-.41219E-02	-.50740E-01	-.27086E-02	-.17423E-03	-.80962E-05	-.20448E-03																									
		-.16776E-03	-.26861E-04	-.42565E-03	-.11050E-05	-.15525E-05	-.25495E-07																									
		-.54497E-04	-.33119E-04	-.11610E-03	-.76773E-06	-.49008E-06	-.30180E-08																									
		-.77613E-06	-.79895E-06	-.17679E-05	-.59283E-09	-.51067E-08	-.22696E-08																									
		-.56309E-07	-.31865E-09	-.12891E-06	-.36942E-09	-.32968E-09	-.86459E-11																									
		-.18007E-03	-.14052E-03	-.50111E-03	-.22066E-05	-.83218E-06	-.20712E-06																									
		-.12984E-04	-.12678E-04	-.40186E-04	-.21323E-06	-.40072E-07	-.43612E-07																									
		-.32020E-05	-.17954E-04	-.33535E-05	-.98932E-07	-.12359E-07	-.34758E-07																									
		-.16118E-03	-.49358E-04	-.38749E-03	-.13522E-05	-.11960E-06	-.23259E-06																									
		-.36505E-04	-.11384E-04	-.45914E-04	-.67703E-06	-.59028E-06	-.14622E-06																									
		-.70722E-06	-.12341E-04	-.33669E-04	-.92654E-07	-.24239E-06	-.26315E-06																									
		-.21475E-03	-.24784E-04	-.70511E-04	-.67525E-06	-.61957E-06	-.20485E-06																									
		-.18732E-05	-.27159E-05	-.10216E-04	-.63593E-07	-.76963E-07	-.31870E-07																									
		-.54839E-05	-.90475E-05	-.14220E-04	-.41334E-07	-.12001E-06	-.10574E-06																									
		-.12243E-03	-.87962E-04	-.95480E-04	-.12085E-05	-.11270E-06	-.13324E-05																									
		-.14642E-04	-.10152E-04	-.73302E-05	-.13372E-06	-.48110E-08	-.16455E-06																									
		-.17963E-04	-.55130E-04	-.15695E-04	-.94372E-06	-.10225E-05	-.76926E-06																									
		-.14839E-03	-.14775E-03	-.86762E-04	-.20541E-05	-.11893E-05	-.20381E-06																									
		-.69289E-04	-.74584E-04	-.40997E-04	-.80931E-06	-.36652E-06	-.12259E-06																									
		-.10013E-04	-.95850E-05	-.85505E-05	-.23603E-06	-.17631E-06	-.40434E-07																									
		-.35151E-04	-.50210E-04	-.67508E-04	-.22335E-05	-.17363E-05	-.14955E-06																									
		-.19036E-04	-.38019E-04	-.82595E-04	-.20160E-05	-.15350E-05	-.12485E-06																									
		-.53806E-05	-.22967E-05	-.19351E-04	-.31936E-06	-.23024E-06	-.24308E-07																									
		-.26260E-07	-.15887E-06	-.65084E-06	-.41717E-08	-.72781E-08	-.19305E-07																									
		-.13948E-05	-.99366E-06	-.22670E-05	-.11030E-07	-.21944E-07	-.21563E-07																									
		-.11766E-03	-.10634E-04	-.28437E-04	-.12287E-06	-.17513E-06	-.24986E-06																									
		-.23086E-06	-.92785E-06	-.92697E-06	-.85644E-08	-.78407E-08	-.22607E-07																									
		-.15478E-06	-.25041E-05	-.35106E-05	-.83643E-08	-.64896E-08	-.62461E-07																									
		-.14718E-07	-.33249E-04	-.18790E-04	-.54873E-06	-.54066E-07	-.79949E-06																									
		-.23496E-06	-.29804E-05	-.23133E-05	-.19667E-07	-.17351E-08	-.32153E-07																									
		-.22099E-05	-.94114E-06	-.12640E-05	-.38814E-07	-.49795E-08	-.19601E-07																									

	MAXIMUM VALUE	ABSOLUTE SUM	SQRT SUM OF SC	CLS LY SP MODES
	.41219E-02	.50740E-01	.27086E-02	.17423E-03
	.52467E-02	.51616E-01	.49036E-02	.19208E-03
	.41384E-02	.50741E-01	.28254E-02	.17430E-03
	.41431E-02	.50741E-01	.28406E-02	.17435E-03

36	35	1	2	3	4	5	6	7	8
		-.31525E-02	-.57384E-01	-.18261E-03	-.23508E-03	-.11907E-04	-.10488E-04		
		-.34923E-03	-.26341E-04	-.22074E-03	-.46423E-06	-.27986E-05	-.40958E-06		
		-.62023E-04	-.59418E-04	-.84683E-04	-.14956E-05	-.35015E-07	-.16807E-05		
		-.17721E-05	-.29961E-06	-.34867E-06	-.26355E-08	-.16729E-07	-.35438E-08		
		-.78124E-07	-.77063E-08	-.80152E-07	-.12883E-09	-.27178E-09	-.15712E-09		
		-.26208E-03	-.46386E-04	-.25075E-03	-.55161E-06	-.11564E-05	-.53642E-06		
		-.19771E-04	-.86659E-05	-.17170E-04	-.57058E-07	-.81852E-07	-.24607E-07		
		-.23064E-05	-.13630E-04	-.61399E-07	-.49002E-08	-.12830E-07	-.14282E-06		



ABSOLUTE SUM	SGRT. SUM OF SC	CLS LY SP MODES
35	1	31525E-02
2	34923E-03	26341E-04
3	82023E-04	5941E-04
4	17721E-05	29961E-05
5	78124E-07	77061E-08
6	76288E-03	4638E-04
7	19771E-04	8665E-05
8	23064E-05	1363E-04
9	2283E-03	25037E-04
10	8387E-04	56917E-05
11	36023E-04	7330E-04
12	24476E-04	71403E-05
13	20146E-05	15724E-06
14	11174E-04	1279E-05
15	10810E-03	60458E-04
16	11641E-04	78122E-05
17	93044E-04	17991E-03
18	56713E-04	15872E-03
19	40629E-04	11663E-03
20	40635E-05	7226E-05
21	8468E-04	2920E-04
22	65617E-04	15068E-04
23	15181E-04	80970E-06
24	38198E-06	1543E-05
25	24483E-06	42494E-06
26	33951E-05	54214E-06
27	78723E-06	20149E-07
28	15036E-05	46574E-06
29	15737E-04	11376E-05
30	19787E-05	41493E-05
31	12699E-05	12826E-06

MAXIMUM VALUE	ABSOLUTE SUM	SGRT. SUM OF SC	CLS LY SP MODES
35	1	0.	0.
2	0.	0.	0.
3	0.	0.	0.
4	0.	0.	0.
5	0.	0.	0.
6	0.	0.	0.
7	0.	0.	0.
8	0.	0.	0.
9	0.	0.	0.
10	0.	0.	0.
11	0.	0.	0.
12	0.	0.	0.
13	0.	0.	0.
14	0.	0.	0.
15	0.	0.	0.
16	0.	0.	0.
17	0.	0.	0.
18	0.	0.	0.
19	0.	0.	0.
20	0.	0.	0.
21	0.	0.	0.
22	0.	0.	0.
23	0.	0.	0.
24	0.	0.	0.
25	0.	0.	0.
26	0.	0.	0.
27	0.	0.	0.
28	0.	0.	0.
29	0.	0.	0.
30	0.	0.	0.
31	0.	0.	0.

MAXIMUM VALUE	ABSOLUTE SUM	SGRT. SUM OF SC	CLS LY SP MODES
35	1	0.	0.
2	0.	0.	0.
3	0.	0.	0.
4	0.	0.	0.
5	0.	0.	0.
6	0.	0.	0.
7	0.	0.	0.
8	0.	0.	0.
9	0.	0.	0.
10	0.	0.	0.
11	0.	0.	0.
12	0.	0.	0.
13	0.	0.	0.
14	0.	0.	0.
15	0.	0.	0.
16	0.	0.	0.
17	0.	0.	0.
18	0.	0.	0.
19	0.	0.	0.
20	0.	0.	0.
21	0.	0.	0.
22	0.	0.	0.
23	0.	0.	0.
24	0.	0.	0.
25	0.	0.	0.
26	0.	0.	0.
27	0.	0.	0.
28	0.	0.	0.
29	0.	0.	0.
30	0.	0.	0.
31	0.	0.	0.





27 0. 0. 0. 0. 0. 0.  
28 0. 0. 0. 0. 0. 0.  
29 0. 0. 0. 0. 0. 0.  
30 0. 0. 0. 0. 0. 0.  
31 0. 0. 0. 0. 0. 0.

MAXIMUM VALUE 0. 0. 0. 0. 0. 0.  
ABSOLUTE SUM 0. 0. 0. 0. 0. 0.  
SQRT. SUM OF SC 0. 0. 0. 0. 0. 0.  
CLS LY SP MODES 0. 0. 0. 0. 0. 0.

3a -34	1	.26220E-02	-.05625E-01	.15701E-03	-.23408E-03	-.87344E-05	.13478E-04
	2	-.48374E-03	-.18610E-04	-.13491E-03	-.36802E-06	-.24829E-05	-.39143E-06
	3	.72793E-04	-.01612E-04	.90456E-04	-.16085E-05	-.45742E-06	-.21974E-05
	4	-.26028E-05	.63740E-07	.18511E-06	.23161E-08	-.17358E-07	-.27852E-08
	5	-.55356E-07	-.67926E-08	-.94318E-07	-.98788E-10	.75399E-09	-.13297E-09
	6	-.16931E-03	.80056E-04	-.31432E-03	-.14371E-06	.29223E-05	.49698E-06
	7	.12995E-04	-.10965E-04	.21281E-04	.19710E-07	-.20483E-06	-.31033E-08
	8	.16909E-05	.16494E-04	.34160E-06	.42992E-07	-.11657E-07	.11526E-06
	9	.14189E-03	.34539E-04	.15823E-03	.44930E-06	-.23710E-05	.97465E-06
	10	.63569E-04	.77769E-05	-.12083E-03	.21207E-06	-.38632E-06	.41340E-06
	11	.42307E-04	-.49637E-04	-.77058E-04	-.99191E-06	.16874E-06	-.94130E-06
	12	-.20897E-04	.14940E-04	-.19527E-04	.32863E-07	-.90559E-06	.25499E-06
	13	-.31696E-05	.10350E-05	-.25866E-05	.84475E-08	-.10173E-06	.47174E-07
	14	-.16389E-04	.39631E-05	.61071E-05	-.17459E-07	-.92572E-07	.11877E-06
	15	-.34343E-04	.42885E-04	.20868E-04	-.14345E-05	.14630E-05	.64579E-06
	16	.28787E-05	-.50224E-05	.11912E-05	.16703E-06	-.17556E-06	-.98299E-07
	17	.97434E-04	.21065E-04	-.40510E-04	-.34636E-05	-.11450E-06	.62353E-06
	18	.72312E-04	-.43275E-05	-.10745E-04	.28071E-05	.23005E-05	-.98140E-06
	19	-.18275E-04	-.31946E-05	.44631E-06	-.18108E-05	-.10819E-05	.63268E-06
	20	.11226E-04	.10676E-05	-.62049E-05	.10778E-06	.98207E-07	-.40255E-07
	21	.72264E-04	.61610E-05	-.32193E-04	.35993E-07	-.51375E-06	-.83446E-06
	22	.47841E-04	.67542E-05	-.32100E-04	-.19081E-06	-.93730E-06	-.76676E-06
	23	-.11286E-04	.90308E-07	-.11200E-05	-.48792E-07	-.48455E-06	-.11498E-06
	24	-.43210E-06	.15288E-05	-.86370E-06	-.36613E-07	-.13964E-07	.19920E-07
	25	-.31765E-06	-.41063E-07	.28306E-05	-.12950E-07	.10320E-08	-.84758E-08
	26	.21461E-04	.50507E-05	-.14657E-04	.37225E-07	.25813E-06	.14241E-06
	27	.96570E-06	-.50156E-06	.13019E-05	.28953E-09	.30197E-07	-.95514E-08
	28	-.39325E-05	-.59537E-06	-.47721E-06	-.19217E-07	-.29454E-07	-.27300E-07
	29	.13992E-05	-.15809E-04	-.13880E-04	.10407E-06	.30721E-06	-.58554E-07
	30	.73244E-06	-.59599E-05	-.35628E-07	.11631E-06	-.27937E-07	-.57341E-07
	31	.27016E-05	-.21947E-06	-.66334E-06	.25802E-08	.11380E-07	.59024E-08

MAXIMUM VALUE .26220E-02 .45625E-01 .31432E-03 .23403E-03 .87344E-05 .13478E-04  
ABSOLUTE SUM .40532E-02 .46025E-01 .12691E-02 .20833E-03 .26703E-04 .24503E-04  
SQRT. SUM OF SC .26822E-02 .45625E-01 .44363E-03 .23414E-03 .10396E-04 .13875E-04  
CLS LY SP MODES .26894E-02 .45625E-01 .46272E-03 .23421E-03 .10832E-04 .14073E-04

33 33	1	.22726E-02	-.32963E-01	.33164E-03	-.22253E-03	-.55907E-05	.31631E-04
	2	-.59921E-03	-.12121E-04	-.74662E-04	-.28361E-06	-.17950E-05	-.36816E-06
	3	.35296E-04	-.24253E-04	.11097E-03	-.15761E-05	-.86615E-06	-.28084E-05
	4	-.35185E-05	-.97527E-07	.68000E-06	.10952E-08	-.15326E-07	-.14669E-08
	5	-.12101E-08	-.55506E-08	-.12341E-06	-.77471E-10	.11004E-08	-.10384E-09
	6	.35763E-04	.89514E-04	-.42329E-03	.27893E-06	.43175E-05	.43628E-06
	7	-.12087E-05	.10830E-04	.28749E-04	-.15902E-07	-.29035E-06	.18688E-07
	8	.11175E-05	.16013E-04	.64843E-06	.80413E-07	-.10395E-07	.86629E-07
	9	-.14736E-04	.36674E-04	.23909E-03	.45813E-06	-.31909E-05	.86311E-06
	10	.44063E-04	.84519E-05	-.92045E-04	.18963E-06	-.47091E-06	.39031E-06
	11	.52762E-04	-.27876E-04	-.83711E-04	-.80061E-06	.73412E-07	-.12287E-05
	12	-.67824E-04	.18840E-04	.38094E-05	.49347E-07	-.72048E-06	.15182E-06
	13	-.83271E-05	.17472E-05	-.14901E-07	.13483E-07	-.76763E-07	.39555E-07
	14	-.20011E-04	.73979E-05	.82813E-05	.15143E-07	-.21796E-07	.10469E-06
	15	.39061E-04	.12107E-03	-.17610E-04	-.69012E-06	.11279E-05	.42314E-06
	16	-.60542E-05	-.14779E-04	.58730E-05	.75693E-07	-.13292E-06	-.76353E-07
	17	.81706E-04	.20486E-03	-.31911E-04	-.21393E-05	-.62897E-06	.47185E-06
	18	.17348E-03	-.18136E-03	-.68523E-04	.21762E-05	.91451E-06	-.10036E-05
	19	-.67683E-04	.10229E-03	.26781E-04	-.10181E-05	-.52453E-06	.49784E-06
	20	.14300E-04	-.59962E-05	-.78281E-05	.67261E-07	-.25259E-07	-.25740E-07
	21	.32409E-04	-.23061E-04	-.13510E-04	.24537E-07	-.93429E-06	-.82515E-06
	22	-.82285E-05	-.95221E-05	-.23155E-05	-.10623E-06	-.98904E-06	-.79355E-06
	23	.33259E-04	-.99835E-06	.10563E-04	-.35497E-07	-.15235E-06	-.10383E-06
	24	-.94330E-06	.32855E-05	-.52364E-06	.21333E-08	-.20154E-08	.40134E-08
	25	-.41632E-06	.36604E-06	.25564E-05	-.80113E-08	-.82627E-08	-.82621E-08
	26	.30238E-04	.56905E-05	-.14098E-04	.99781E-07	-.11230E-06	.87055E-07
	27	.20573E-05	-.56041E-06	.54735E-06	-.83132E-08	.81300E-09	-.59160E-08
	28	-.43632E-05	-.11500E-06	-.20389E-06	-.23282E-07	.33000E-07	-.26212E-07
	29	.15241E-04	-.14945E-04	-.21025E-04	-.16841E-06	.42973E-07	.94217E-07



18	.17348E-03	-.1011E-03	-.00852E-04	.21162E-05	-.91451E-06	-.10036E-05
19	-.633E-04	.1020E-03	.2678E-04	-.10181E-05	-.52453E-07	-.49784E-06
20	.14300E-04	-.59962E-05	-.78281E-05	.67261E-07	-.25259E-07	-.25740E-07
21	.32409E-04	-.23001E-04	-.13310E-04	.2453E-07	-.93429E-06	-.82515E-06
22	-.88285E-05	-.95221E-05	-.23155E-05	-.1062E-05	-.98904E-06	-.79355E-06
23	-.33259E-04	-.99835E-06	.10503E-04	-.35497E-07	-.15235E-06	-.10383E-06
24	-.94336E-06	.37855E-05	-.52364E-06	.21336E-08	-.20154E-08	-.40134E-08
25	-.41632E-06	.38047E-06	.26564E-05	-.80011E-08	.33027E-08	-.82621E-08
26	.30238E-04	.50905E-05	-.18698E-04	.99781E-07	-.11830E-06	.87055E-07
27	.20573E-05	-.56041E-06	.54735E-06	-.83137E-08	.81306E-09	-.59160E-08
28	-.43632E-05	-.11500E-06	-.20389E-06	-.23282E-07	.33000E-07	-.26212E-07
29	.15241E-04	-.14945E-04	-.21025E-04	-.16841E-06	.42973E-07	.94217E-07
30	-.69581E-06	-.10608E-04	.86472E-06	-.43758E-07	-.14556E-07	.11210E-07
31	.24318E-05	-.40624E-07	-.45502E-06	-.14059E-08	-.33857E-07	.60465E-08

MAXIMUM VALUE  
ABSOLUTE SUM  
SURT. SUM OF SC  
CLSLY SP MODES

.22726E-02	.32963E-01	.42329E-03	.22253E-03	.55907E-05	.31631E-04
.36705E-02	.33916E-01	.16279E-02	.23300E-03	.23120E-04	.42593E-04
.23029E-02	.32965E-01	.62345E-03	.22250E-03	.83415E-05	.31846E-04
.23776E-02	.32967E-01	.66245E-03	.22259E-03	.87642E-05	.31923E-04

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1	.20240E-02	-.20489E-01	.42694E-03	-.19747E-03	-.41728E-05	.43365E-04
2	-.67310E-03	-.68360E-05	-.43786E-04	-.20935E-06	-.86824E-06	-.34176E-06
3	-.18586E-04	-.12391E-04	.13413E-03	-.13827E-05	-.10249E-05	-.35048E-05
4	-.42076E-05	-.12584E-06	.98512E-04	.10253E-08	-.94434E-08	.33652E-09
5	.67233E-07	-.37757E-08	-.15247E-06	-.62839E-10	.12354E-08	-.71513E-10
6	.28760E-03	.71834E-04	-.52903E-03	.66376E-06	.44681E-05	.37843E-06
7	-.17767E-04	-.23085E-05	.35620E-04	-.42114E-07	-.27970E-06	.37664E-07
8	.59419E-06	.12277E-04	.86993E-06	.10536E-06	-.86145E-08	.61910E-07
9	-.19744E-03	.26812E-04	.31348E-03	.48928E-06	.31733E-05	.73702E-06
10	.11717E-04	.70270E-05	-.81298E-04	.16967E-06	-.66465E-06	.36544E-06
11	.48903E-04	-.25360E-04	-.82913E-04	-.27634E-06	-.21202E-06	-.16870E-05
12	-.97597E-04	.17394E-04	.15336E-04	.64168E-07	.31390E-06	.45323E-07
13	-.11336E-04	.15700E-05	.11383E-05	.21865E-07	-.27364E-07	.29860E-07
14	-.18594E-04	.75361E-05	.74032E-05	.50523E-07	.85243E-07	.86957E-07
15	.84342E-04	.13681E-03	-.36686E-04	.18606E-06	.46450E-06	.87959E-07
16	-.11106E-04	-.16792E-04	.79657E-05	-.33288E-07	-.46101E-07	-.40185E-07
17	.30340E-04	.27040E-03	-.10305E-04	-.25771E-06	-.10116E-05	-.46602E-07
18	.16594E-03	-.28421E-03	-.66761E-04	.11258E-05	-.90348E-06	-.74927E-06
19	-.72380E-04	.12876E-03	.29439E-04	.31463E-06	.25952E-06	.46342E-07
20	.63552E-05	-.94549E-05	-.53623E-05	.30071E-07	-.14691E-06	.93827E-08
21	-.27054E-04	-.37184E-04	.11097E-04	-.16923E-06	-.94491E-06	-.71771E-06
22	-.54329E-04	-.21198E-04	.17879E-04	-.14111E-06	-.57147E-06	-.76096E-06
23	-.26546E-04	-.13055E-05	.32365E-05	-.33841E-07	.27866E-06	-.86691E-07
24	-.55902E-06	.14979E-05	-.57622E-06	.42742E-07	.11332E-07	-.16142E-07
25	-.16048E-06	.39378E-06	.22296E-05	-.79713E-09	.33689E-08	-.95567E-08
26	.92587E-05	-.11584E-05	-.81246E-05	.13163E-06	-.43115E-06	.40012E-07
27	.63893E-06	.85284E-07	.00020E-06	-.13434E-07	-.30068E-07	-.32120E-08
28	-.27277E-06	.57391E-06	-.17318E-05	-.19411E-07	.76024E-07	-.28718E-07
29	.50025E-05	.65664E-05	-.16251E-04	-.29473E-06	-.23343E-06	.20078E-06
30	-.67019E-06	-.78360E-06	.97176E-06	-.16997E-06	.85204E-08	.80654E-07
31	-.90189E-06	.22942E-06	.94614E-06	-.15633E-08	-.53284E-07	.45029E-08

MAXIMUM VALUE  
ABSOLUTE SUM  
SURT. SUM OF SC  
CLSLY SP MODES

.20240E-02	.20489E-01	.52903E-03	.19747E-03	.44881E-05	.43365E-04
.39125E-02	.21006E-01	.18985E-02	.20392E-03	.20804E-04	.53565E-04
.21750E-02	.20493E-01	.77661E-03	.19743E-03	.73345E-05	.43570E-04
.21897E-02	.20499E-01	.81524E-03	.19743E-03	.77891E-05	.43602E-04

31 31

1	.18083E-02	-.95406E-02	.58735E-03	-.15593E-03	-.39809E-05	.48315E-04
2	-.69381E-03	-.26655E-05	-.36933E-04	-.14293E-06	.18134E-06	-.31406E-06
3	-.17686E-04	-.11443E-04	.15335E-03	-.10133E-05	-.97802E-06	-.42797E-05
4	-.45385E-05	.27499E-07	.11086E-05	-.40441E-08	-.20809E-08	.25530E-08
5	.13407E-06	-.15668E-08	-.17427E-06	-.52621E-10	.10377E-08	-.37591E-10
6	.52785E-03	.31535E-04	-.00630E-03	.99532E-06	.36410E-05	.34372E-06
7	-.31881E-04	-.47158E-05	.20094E-04	-.51353E-07	-.18423E-06	.51079E-07
8	.17466E-06	.69506E-05	.10068E-05	.10571E-06	-.61664E-08	.45546E-07
9	-.36394E-03	.12571E-04	.36484E-03	.51172E-06	.23782E-05	.61219E-06
10	-.30258E-04	.44869E-05	-.69745E-04	.13891E-06	-.74566E-06	.34494E-06
11	.28667E-04	-.64621E-04	-.77309E-04	.63977E-06	-.49307E-06	-.23020E-05
12	-.10239E-03	.13803E-04	.16084E-04	.42197E-07	.22221E-06	-.48648E-07
13	-.11356E-04	.50960E-06	.10639E-05	.30341E-07	.34468E-07	.19816E-07
14	-.11184E-04	.53416E-05	.50236E-05	.70377E-07	.16947E-06	.74012E-07
15	.89216E-04	.10433E-03	-.38554E-04	.81601E-06	-.36357E-06	-.12017E-06
16	-.11035E-04	-.12741E-04	.79451E-05	-.11230E-06	.56115E-07	-.12158E-07
17	-.29165E-04	.23130E-03	.98558E-05	.13330E-05	-.86851E-06	-.50796E-06
18	.72242E-04	-.33537E-03	-.38438E-04	.49421E-06	-.21358E-05	-.62351E-06
19	-.38185E-04	.69431E-04	.19316E-04	.17203E-05	.85956E-06	-.47212E-06
20	-.12641E-05	-.89542E-05	-.21216E-05	-.33170E-07	-.17168E-06	.48644E-07
21	-.7024E-04	-.32217E-04	.24993E-04	-.40231E-06	-.30802E-06	-.58657E-06



11	.2057E-04	-.640E-04	-.7730E-04	.6397E-06	-.49307E-06	-.23020E-06
12	-.10239E-03	-.1808E-04	-.1808E-04	.2221E-06	-.48648E-07	-.48648E-07
13	-.1135E-04	.5996E-06	.10639E-05	.3034E-07	.38468E-07	.19816E-07
14	-.1118E-04	.5346E-05	.50236E-05	.7037E-07	.16947E-06	.74012E-07
15	.89216E-04	.10433E-03	-.3855E-04	.81601E-06	-.36357E-06	-.18017E-06
16	-.11035E-04	-.12741E-04	.79451E-05	-.11231E-06	.56115E-07	-.12158E-07
17	-.27165E-04	-.23130E-03	.38558E-05	.13331E-05	-.86851E-06	-.50796E-06
18	.72242E-04	-.33537E-03	-.38438E-04	.49421E-06	-.21358E-05	-.62351E-06
19	-.38185E-04	.69431E-04	.19316E-04	.17205E-05	.85958E-06	-.47212E-06
20	-.12441E-05	-.8954E-05	-.21216E-05	-.33171E-07	-.17168E-06	-.88644E-07
21	-.7088E-04	-.33237E-04	.24973E-04	-.40931E-06	-.30802E-06	-.58657E-06
22	-.7058E-04	-.24472E-04	.22935E-04	-.23703E-06	.24441E-06	-.70404E-06
23	-.22124E-05	-.77769E-06	.94485E-06	-.35547E-07	.46295E-06	-.68155E-07
24	.37322E-06	-.20351E-05	-.76840E-06	.54541E-07	.15187E-07	-.26641E-07
25	-.25910E-06	.24137E-07	.19487E-05	.46791E-08	-.36127E-08	-.10395E-07
26	-.16139E-04	-.76609E-05	.12013E-05	.71701E-07	-.27757E-06	-.26458E-07
27	-.14054E-05	.70664E-06	.12690E-05	-.80793E-08	-.29899E-07	-.43162E-08
28	.40523E-05	.80557E-06	-.29479E-05	-.57581E-08	.33853E-07	-.35054E-07
29	-.97691E-05	.25174E-04	-.19451E-04	-.50901E-07	-.18274E-06	.17142E-06
30	.32204E-06	.10942E-04	.77059E-06	-.25891E-07	.17851E-07	.74399E-07
31	-.33536E-05	.3114E-06	.17506E-05	.29731E-08	.92261E-09	.11698E-08

MAXIMUM VALUE	.18083E-02	.9540E-02	.00630E-03	.1555E-03	.39809E-05	.48315E-04
ABSOLUTE SUM	.41124E-02	.10568E-01	.20456E-02	.16511E-03	.19050E-04	.60306E-04
SORT. SUM OF SC	.20513E-02	.95505E-02	.48351E-03	.15593E-03	.65851E-05	.48584E-04
CLS LY SP MODES	.20675E-02	.95616E-02	.92081E-03	.15601E-03	.73300E-05	.48627E-04

30 30	1	.15090E-02	-.14202E-02	.53247E-03	-.96689E-04	-.45224E-05	.47254E-04
	2	-.65171E-03	-.25849E-06	-.45775E-04	-.63873E-07	.11984E-05	-.28583E-06
	3	-.12069E-03	-.26266E-04	.16550E-03	-.45771E-06	-.80371E-06	-.51221E-05
	4	-.43274E-05	.40096E-06	.11031E-05	-.80065E-08	.38364E-08	.51300E-08
	5	.18401E-06	.97108E-09	-.18583E-06	-.46177E-10	.68321E-09	-.25841E-11
	6	.69778E-03	-.26299E-04	-.64446E-03	.11455E-05	.22587E-05	.33065E-06
	7	-.38489E-04	-.10455E-05	.41504E-04	-.39842E-07	.45527E-07	.59194E-07
	8	-.99769E-07	.17412E-05	.10692E-05	.75957E-07	-.33011E-08	.37266E-07
	9	-.46619E-03	-.10283E-04	.38553E-03	.51389E-06	-.11096E-05	.49088E-06
	10	-.73268E-04	.18295E-05	-.61350E-04	.89632E-07	-.66159E-06	.32987E-06
	11	-.72645E-05	-.16715E-03	-.09619E-04	.20761E-05	-.65090E-06	-.30905E-05
	12	-.77441E-04	.11381E-04	.87784E-05	-.45082E-07	.76893E-06	-.12598E-06
	13	-.70327E-05	-.12468E-05	.12957E-06	.37828E-07	.88239E-07	.96892E-08
	14	.56651E-06	.18530E-05	.23464E-05	.60092E-07	.19979E-06	.68078E-07
	15	.42667E-04	.39833E-04	-.28334E-04	.84104E-06	-.10060E-05	-.31771E-06
	16	-.47167E-05	-.45196E-05	.04777E-05	-.11672E-06	.17904E-06	-.21114E-09
	17	-.67213E-04	.10522E-03	.17719E-04	.15755E-05	-.36042E-06	-.69873E-06
	18	-.76119E-04	-.36045E-03	-.62307E-05	.19793E-05	-.23187E-05	-.97495E-06
	19	.25195E-04	-.79707E-04	.56736E-05	.28517E-05	.10280E-05	-.97531E-06
	20	-.10971E-04	-.43031E-05	-.16164E-07	-.51824E-07	-.10836E-06	.80356E-07
	21	-.61163E-04	-.89071E-05	.22790E-04	-.47863E-06	.46868E-06	-.48311E-06
	22	-.27859E-04	-.15858E-04	.13889E-04	-.22487E-06	.70497E-06	-.66436E-06
	23	.25857E-04	.61333E-06	-.49617E-05	-.33510E-07	.36054E-06	-.50061E-07
	24	.12073E-05	-.54620E-05	-.83035E-06	.57630E-07	.10374E-07	-.33825E-07
	25	-.74511E-06	-.45001E-06	.16714E-05	.74336E-08	-.11271E-07	-.10674E-07
	26	-.21082E-04	-.84209E-05	.37630E-05	.15911E-07	.72398E-07	.19126E-07
	27	-.26451E-05	.80871E-06	.12699E-05	-.23923E-08	-.10115E-07	-.62888E-08
	28	.35603E-05	.17078E-06	-.25990E-05	.48681E-08	-.29208E-07	-.41739E-07
	29	-.14021E-04	.17492E-04	-.78475E-05	.17135E-06	.35766E-07	.11738E-06
	30	.13823E-05	.11154E-04	.58688E-06	.21214E-07	.10956E-07	.47823E-07
	31	-.73751E-06	-.66214E-07	.11380E-05	.60578E-08	.52067E-07	-.22748E-08

MAXIMUM VALUE	.15690E-02	.14202E-02	.64446E-02	.96689E-04	.45224E-05	.47254E-04
ABSOLUTE SUM	.41047E-02	.23332E-02	.70856E-03	.10977E-03	.19223E-04	.61733E-04
SORT. SUM OF SC	.19075E-02	.14020E-02	.94311E-03	.96802E-04	.62910E-05	.47671E-04
CLS LY SP MODES	.19279E-02	.15284E-02	.97743E-03	.96901E-04	.70121E-05	.47745E-04

29 29	1	.12834E-02	.25597E-02	.56229E-03	-.37947E-04	-.52929E-05	.43603E-04
	2	-.55511E-03	.92976E-06	-.58047E-04	-.34873E-07	.20243E-05	-.25730E-06
	3	-.16925E-03	-.61231E-04	.17150E-03	-.66493E-07	-.57714E-06	-.59726E-05
	4	-.40909E-05	.10485E-05	.10763E-05	-.73525E-08	.53899E-08	.72719E-08
	5	.21252E-06	.36305E-08	-.19008E-06	-.29463E-10	.28349E-09	.31245E-10
	6	.78757E-03	-.93594E-04	-.65674E-03	.84001E-06	.80304E-06	.38494E-06
	7	-.35882E-04	.10593E-05	.41111E-04	-.18197E-07	.13741E-06	.64285E-07
	8	-.20416E-06	-.10218E-05	.10645E-05	.33687E-07	-.20079E-09	.33445E-07
	9	-.40895E-03	-.36371E-04	.38792E-03	.34231E-06	.10671E-06	.39369E-06
	10	-.10675E-03	.90076E-06	.58025E-04	.39637E-07	-.37271E-06	.31773E-06
	11	-.46376E-04	-.36495E-03	-.64699E-04	.18673E-05	-.57849E-06	-.37409E-05
	12	-.20829E-04	.16576E-04	.12649E-05	-.69695E-07	.96552E-06	-.20419E-06
	13	-.12015E-05	-.35867E-05	-.75606E-06	.26042E-07	.11314E-06	.19794E-08



3	-.1725E-03	-.6121E-04	.1715E-03	-.6699E-07	-.57714E-07	-.59726E-05
4	-.4049E-05	.1045E-05	.10743E-05	-.7352E-08	.53899E-08	.72719E-08
5	.21252E-06	.36305E-08	-.19008E-06	-.29463E-10	.28349E-09	.31245E-10
6	.78757E-03	-.93594E-04	-.65679E-03	.8400	.80304E-06	.38494E-06
7	-.35882E-04	.10593E-05	.41111E-04	-.18197E-07	.13741E-06	.64285E-07
8	-.20416E-06	-.10212E-05	.10845E-05	.33687E-07	-.20079E-09	.33445E-07
9	-.40895E-03	-.36371E-04	.36792E-03	.34239E-06	.10671E-06	.39369E-06
10	-.10675E-03	.90076E-06	-.58025E-04	.39039E-07	-.37271E-06	.31773E-06
11	-.46376E-04	-.36495E-03	-.64699E-04	.18671E-05	-.57849E-06	-.37409E-05
12	-.20826E-04	.12849E-04	.16574E-05	-.69696E-07	.96552E-06	-.20419E-06
13	-.12015E-05	-.35867E-05	-.75906E-06	.26042E-07	.11314E-06	.19794E-08
14	.11772E-04	-.18016E-06	.78582E-06	.30502E-07	.14594E-06	.67533E-07
15	-.26744E-04	.13514E-05	-.19223E-04	.44524E-06	-.11204E-05	-.34499E-06
16	.37940E-05	.66445E-06	.52791E-05	-.63794E-07	.12968E-06	-.25917E-08
17	-.70144E-04	.36164E-04	.18567E-04	.85397E-06	.34960E-06	-.62954E-06
18	-.19418E-03	-.58235E-03	.88992E-05	.23284E-05	-.10046E-05	-.14394E-05
19	.79998E-04	-.27761E-03	-.12553E-05	.22609E-05	.52431E-06	-.12473E-05
20	-.14235E-04	-.14183E-05	.51210E-06	-.34632E-07	.32360E-07	.10234E-06
21	-.16826E-04	.11807E-04	.16844E-04	-.28072E-06	.87964E-06	-.43519E-06
22	.33408E-04	-.12152E-04	.00949E-05	-.15247E-06	.85997E-06	-.64693E-06
23	.39144E-04	.20216E-05	-.64548E-05	-.12102E-07	-.66060E-07	-.35123E-07
24	.16024E-05	-.93135E-05	-.76271E-06	-.29431E-08	-.27903E-08	-.33410E-07
25	-.16882E-05	-.98413E-06	.14177E-05	.27684E-09	-.11432E-07	-.95056E-08
26	-.71995E-05	-.90636E-05	.33601E-05	-.54923E-07	.34379E-06	.93364E-08
27	-.26493E-05	.92886E-06	.10023E-05	.53604E-08	.18701E-07	-.81162E-08
28	.77087E-06	-.52664E-06	-.19826E-05	.18817E-08	-.51086E-07	-.46008E-07
29	-.49845E-05	.79305E-05	-.14034E-05	.21742E-06	.24365E-06	.10471E-06
30	.15445E-05	.94842E-05	.60795E-06	.11595E-06	-.13216E-07	.29594E-07
31	.25920E-05	-.42236E-06	.65465E-06	.56957E-09	.24929E-07	-.42420E-08

MAXIMUM VALUE	.12834E-02	.25597E-02	.65679E-03	.37947E-04	.52929E-05	.43603E-04
ABSOLUTE SUM	.40234E-02	.41054E-02	.21056E-02	.48155E-04	.16799E-04	.60180E-04
SGRT.SUM OF SC	.17092E-02	.26679E-02	.97022E-03	.36159E-04	.62401E-05	.44229E-04
CLS LY SP MODES	.17476E-02	.27382E-02	.10026E-02	.38359E-04	.66812E-05	.44346E-04

28	28	1	.95001E-03	.34652E-02	.56692E-03	.88753E-06	-.58132E-05	.40398E-04
		2	-.01546E-03	.11295E-05	-.63665E-04	.37917E-09	.25225E-05	-.22862E-06
		3	-.19591E-03	-.77494E-04	.17311E-03	-.17671E-06	-.39485E-06	-.67836E-05
		4	-.38025E-05	.13207E-05	.10790E-05	.30613E-08	-.73907E-10	.83926E-08
		5	.21679E-06	.06457E-08	-.19045E-06	.91343E-11	-.29657E-10	.62406E-10
		6	.79147E-03	-.11995E-03	-.65603E-03	-.26243E-06	-.18050E-06	.53101E-06
		7	-.22478E-04	.17245E-05	.40370E-04	-.13441E-08	.30754E-06	.69258E-07
		8	-.12239E-06	-.18666E-05	.10794E-05	.39123E-08	.28579E-08	.29546E-07
		9	-.05407E-03	-.45823E-04	.38286E-03	-.11053E-06	.10481E-05	.33110E-06
		10	-.11679E-03	.53572E-06	-.58233E-04	.10441E-07	-.64461E-08	.30459E-06
		11	-.70040E-04	-.41984E-03	-.63207E-04	-.16133E-05	-.30582E-06	-.40194E-05
		12	.39981E-04	.17471E-04	-.20931E-05	.90173E-07	.90194E-06	-.30245E-06
		13	.57419E-05	-.42306E-05	-.11284E-05	-.14601E-07	.10994E-06	-.20960E-08
		14	.17528E-04	-.10155E-05	.42479E-06	.71467E-08	.44348E-07	.67162E-07
		15	-.87791E-09	-.15809E-04	-.16235E-04	.16071E-06	-.79457E-06	-.37343E-06
		16	.10354E-04	.28997E-05	.48342E-05	-.16987E-07	.74462E-07	-.58825E-08
		17	-.26275E-04	-.10790E-05	.16870E-04	.42623E-06	.90722E-06	-.58055E-06
		18	-.19260E-03	-.64419E-03	.80266E-05	-.38653E-06	.82152E-06	-.14342E-05
		19	.86054E-04	-.35466E-03	-.13846E-05	.29593E-06	-.24575E-06	-.12831E-05
		20	-.71523E-05	.67596E-06	.31453E-06	-.12999E-07	.16229E-06	.12577E-06
		21	.41171E-04	.19245E-04	.13755E-04	-.14133E-07	.81130E-06	-.40382E-06
		22	.72117E-04	-.46937E-05	.44038E-05	-.14913E-06	.33313E-06	-.62346E-06
		23	.18093E-04	.16294E-05	-.51711E-05	.18113E-07	-.45484E-06	-.22693E-07
		24	.90128E-06	-.54293E-05	-.58955E-06	-.10623E-06	-.13072E-07	-.21606E-07
		25	-.21418E-05	-.57838E-06	.10087E-05	-.11381E-07	-.68467E-08	-.70273E-08
		26	.19157E-04	-.18849E-05	.34683E-05	-.13784E-06	.37234E-06	.93597E-08
		27	-.51298E-06	.16275E-06	.60259E-06	.14483E-07	.32713E-07	-.11009E-07
		28	-.23050E-05	-.50812E-06	-.14888E-05	-.43593E-08	-.30205E-07	-.49415E-07
		29	.14640E-04	-.67433E-05	-.62022E-05	.19623E-06	.28722E-06	.90207E-07
		30	-.15535E-06	-.20247E-05	.68404E-06	.18107E-06	-.28998E-07	.21198E-08
		31	.21303E-05	-.17122E-06	.56084E-06	-.57933E-08	-.25577E-07	-.54857E-08

MAXIMUM VALUE	.95001E-03	.34652E-02	.05603E-03	.16133E-05	.58132E-05	.40398E-04
ABSOLUTE SUM	.36717E-02	.52202E-02	.20986E-02	.53371E-05	.17160E-04	.58124E-04
SGRT.SUM OF SC	.14243E-02	.35705E-02	.97189E-03	.20203E-05	.67866E-05	.41225E-04
CLS LY SP MODES	.14636E-02	.30365E-02	.10035E-02	.22555E-05	.70747E-05	.41363E-04

27	27	1	.60296E-03	.24759E-02	.54597E-03	.19731E-04	-.56009E-05	.36439E-04
		2	-.25993E-03	.63834E-06	-.56676E-04	.21824E-07	.25571E-05	-.20067E-06
		3	-.21566E-03	-.38614E-04	.17267E-03	-.76621E-06	-.34807E-06	-.75855E-05
		4	-.41202E-05	.68196E-06	.10795E-05	.22852E-07	-.15128E-07	.91188E-08
		5	.20916E-06	.24867E-08	-.19092E-06	.68084E-10	-.13319E-09	.92294E-10





MAXIMUM VALUE	.95001E-03	.34692E-02	.65603E-03	.16135E-05	.5A132E-03	.40398E-04
ABSOLUTE SUM	.36717E-02	.52202E-02	.20986E-02	.53371E-05	.17160E-04	.5F124E-04
SORT. SUM OF SC	.10243E-02	.35705E-02	.77189E-03	.20201E-05	.67866E-05	.41275E-04
CLSLY SP MCDES	.14638E-02	.30365E-02	.10035E-02	.22555E-05	.70747E-05	.41363E-04

27 27

1	.69296E-03	.24759E-02	.54597E-03	.19731E-04	.56009E-05	.36439E-04
2	.25993E-03	.83830E-06	.56876E-04	.21824E-07	.25571E-05	.20067E-06
3	.21566E-03	.38614E-04	.17267E-03	.74621E-06	.30807E-06	.75855E-05
4	.41262E-05	.6819E-06	.10795E-05	.22852E-07	.15128E-07	.91188E-08
5	.20916E-06	.24867E-08	.19092E-06	.68686E-10	.13319E-09	.92294E-10
6	.74710E-03	.62687E-04	.65601E-03	.21094E-05	.18292E-06	.71561E-06
7	.12075E-06	.12107E-05	.41196E-04	.99204E-08	.45140E-06	.73863E-07
8	.13046E-06	.10814E-05	.10888E-05	.13256E-07	.56730E-08	.26263E-07
9	.37665E-03	.23146E-04	.38291E-03	.81313E-06	.12835E-05	.28361E-06
10	.10754E-03	.30572E-06	.58484E-04	.21165E-08	.29918E-06	.29193E-06
11	.86834E-04	.17389E-03	.63466E-04	.77125E-05	.35237E-07	.41727E-05
12	.94029E-04	.61151E-05	.49831E-06	.40166E-06	.74992E-06	.40687E-06
13	.11658E-04	.18555E-05	.94034E-06	.76735E-07	.79457E-07	.48293E-08
14	.16959E-04	.10214E-05	.28647E-06	.95693E-08	.67778E-07	.67314E-07
15	.11959E-03	.17493E-04	.17251E-04	.18287E-07	.12878E-06	.39581E-06
16	.12491E-04	.26676E-05	.47631E-05	.21532E-07	.18028E-07	.10287E-07
17	.35748E-04	.13952E-04	.19716E-04	.12266E-06	.96441E-06	.52202E-06
18	.98274E-04	.53710E-03	.12503E-04	.31931E-05	.21672E-05	.13568E-05
19	.51306E-04	.31236E-03	.27418E-05	.16084E-05	.87170E-06	.12684E-05
20	.47087E-05	.20526E-05	.92795E-06	.31483E-07	.19334E-06	.14917E-06
21	.77814E-04	.13414E-04	.14705E-04	.29313E-06	.16284E-06	.37929E-06
22	.72461E-04	.52535E-05	.43688E-05	.12892E-06	.44258E-06	.59829E-06
23	.13665E-04	.11851E-06	.01377E-05	.38213E-07	.00663E-06	.10920E-07
24	.80340E-07	.30706E-05	.48067E-06	.15687E-06	.98264E-08	.77917E-08
25	.24880E-05	.34009E-06	.56528E-06	.16015E-07	.10192E-08	.43363E-08
26	.36141E-04	.70141E-05	.33981E-05	.11533E-06	.12662E-08	.10172E-07
27	.11570E-05	.75494E-06	.36396E-06	.12465E-07	.91183E-08	.13995E-07
28	.27329E-05	.12494E-07	.11416E-05	.57879E-08	.32103E-07	.52723E-07
29	.28436E-04	.14908E-04	.35945E-05	.20713E-07	.29477E-08	.78817E-07
30	.17882E-05	.11543E-04	.01852E-06	.47550E-07	.96235E-08	.24461E-07
31	.38130E-06	.25372E-06	.34256E-06	.44120E-08	.42785E-07	.66644E-08

MAXIMUM VALUE	.76710E-03	.24759E-02	.65601E-03	.19731E-04	.56009E-05	.36439E-04
ABSOLUTE SUM	.31032E-02	.37299E-02	.20769E-02	.37473E-04	.17181E-04	.55167E-04
SORT. SUM OF SC	.11304E-02	.25600E-02	.95833E-03	.21623E-04	.68881E-05	.37524E-04
CLSLY SP MCDES	.11920E-02	.26284E-02	.99104E-03	.22023E-04	.75069E-05	.37682E-04

26 26

1	.29839E-03	.81506E-03	.69804E-03	.18503E-04	.42245E-05	.30493E-04
2	.11743E-03	.57006E-06	.37363E-04	.29423E-07	.20534E-05	.17439E-06
3	.23672E-03	.91151E-04	.17002E-03	.18227E-05	.52736E-06	.84041E-05
4	.55736E-05	.14347E-05	.89574E-06	.51793E-07	.42157E-07	.99893E-08
5	.20163E-06	.45021E-08	.19103E-06	.14640E-09	.69551E-10	.12194E-09
6	.77052E-03	.11866E-03	.65256E-03	.46682E-05	.11750E-05	.89745E-06
7	.30253E-04	.19719E-06	.44887E-04	.14933E-07	.58078E-06	.77635E-07
8	.53984E-06	.59320E-06	.11380E-05	.16549E-07	.85413E-08	.24535E-07
9	.30408E-03	.46277E-04	.38758E-03	.17459E-05	.65970E-06	.23872E-06
10	.82015E-04	.26826E-05	.55510E-04	.14604E-07	.37900E-06	.28109E-06
11	.74999E-04	.52339E-03	.61801E-04	.16130E-04	.16452E-06	.43203E-05
12	.12768E-03	.25070E-04	.32275E-05	.85324E-06	.40990E-06	.50951E-06
13	.15035E-04	.47780E-05	.55088E-06	.15666E-06	.49521E-07	.70295E-08
14	.96897E-05	.59599E-06	.70272E-06	.16944E-07	.13855E-06	.68758E-07
15	.10315E-03	.97344E-05	.14637E-04	.32025E-07	.43542E-06	.39770E-06
16	.83204E-05	.52013E-06	.40029E-05	.42519E-07	.93427E-07	.17535E-07
17	.86106E-04	.10363E-04	.26153E-04	.64095E-08	.69260E-06	.43804E-06
18	.59516E-04	.26028E-03	.32477E-04	.33512E-05	.25498E-05	.85137E-06
19	.15357E-04	.15579E-03	.11160E-04	.16373E-05	.10971E-05	.98619E-06
20	.15349E-04	.27427E-05	.24029E-05	.50402E-07	.14880E-06	.17058E-06
21	.60508E-04	.51895E-05	.11574E-04	.40254E-06	.50004E-06	.37398E-06
22	.20849E-04	.16396E-04	.23845E-05	.12819E-06	.94723E-06	.57735E-06
23	.34009E-04	.27319E-05	.81508E-05	.49426E-07	.20018E-06	.29544E-09
24	.27031E-06	.12908E-04	.36152E-06	.18679E-06	.17277E-09	.70460E-08
25	.19502E-05	.13267E-05	.16987E-06	.17641E-07	.43361E-08	.15372E-08
26	.16958E-04	.11469E-04	.42291E-05	.78585E-07	.35592E-06	.62306E-08
27	.61140E-06	.11435E-05	.37611E-07	.95036E-08	.20827E-07	.16407E-07
28	.13402E-05	.70872E-06	.18872E-06	.22330E-08	.78024E-07	.55604E-07
29	.14711E-04	.51944E-05	.30155E-05	.19336E-06	.25413E-06	.90226E-07
30	.12779E-05	.64149E-05	.73145E-06	.79269E-07	.14258E-07	.35210E-07
31	.28190E-05	.41299E-06	.11122E-06	.48370E-09	.28341E-07	.79846E-08

MAXIMUM VALUE	.77052E-03	.81500E-03	.65256E-03	.18509E-04	.42245E-05	.30493E-04
ABSOLUTE SUM	.25222E-02	.21347E-02	.20362E-02	.50498E-04	.17919E-04	.49540E-04



24	-.231E-06	.125E-04	-.3615E-06	-.18679E-06	.17277E-06	.70460E-06
25	-.19502E-05	.132E-05	.16987E-06	-.17641E-07	.43361E-08	-.15372E-08
26	.18958E-04	.11469E-04	.42291E-05	-.7854E-07	-.35592E-06	.62306E-08
27	.01140E-06	-.11035E-05	-.37611E-07	.9503E-07	-.20827E-07	-.16407E-07
28	.13402E-05	.70876E-06	-.18272E-06	-.22330E-08	.74024E-07	-.55604E-07
29	.14711E-04	-.51944E-05	-.30155E-05	-.19336E-06	-.25413E-06	.90226E-07
30	-.12779E-05	-.73145E-05	.64149E-06	-.79269E-07	.16258E-07	-.35210E-07
31	-.28190E-05	.61294E-06	-.11122E-06	-.48376E-09	-.28341E-07	-.79846E-08

MAXIMUM VALUE	.77052E-03	.81500E-03	.65256E-03	.18509E-04	.42245E-05	.30493E-04
ABSOLUTE SUM	.25222E-02	.21347E-02	.20362E-02	.50496E-04	.17919E-04	.49540E-04
SCR1.SUM OF SC	.95055E-03	.10277E-02	.93041E-03	.25427E-04	.58931E-05	.31983E-04
CLSLY SP MODES	.10045E-02	.10834E-02	.96722E-03	.26229E-04	.68699E-05	.32147E-04

25	25	1	.11645E-03	-.26332E-03	.45493E-03	.82160E-05	-.25052E-05	.23777E-04
		2	-.22902E-04	.94599E-06	-.16292E-04	.31177E-07	.13241E-05	-.14891E-06
		3	-.27666E-03	.34324E-03	.16378E-03	-.20982E-05	-.40801E-06	-.89915E-05
		4	-.89611E-05	-.54790E-05	.17700E-06	.70174E-07	-.66993E-07	.72412E-08
		5	.21740E-06	-.16883E-07	-.19046E-06	.18474E-09	.17743E-09	.13948E-09
		6	.90240E-03	.45561E-03	-.62934E-03	-.62944E-05	.23116E-05	.13914E-05
		7	.66994E-04	-.20876E-05	.53181E-04	.99945E-08	.58761E-06	.79444E-07
		8	.11123E-05	-.73000E-07	.12716E-05	-.12962E-07	.94130E-08	.23549E-07
		9	-.29761E-03	.17285E-03	.38861E-03	-.22614E-05	-.24933E-06	.32313E-06
		10	-.63597E-04	-.76701E-05	-.52316E-04	.11800E-07	.35030E-06	.26537E-06
		11	-.67995E-04	.17684E-02	-.59270E-04	-.19465E-04	.33936E-06	-.30035E-05
		12	.15183E-03	-.81432E-04	.76094E-05	.10931E-05	.65046E-07	-.67787E-08
		13	.17394E-04	.16298E-04	-.12357E-06	-.18583E-06	.20767E-08	.49305E-08
		14	.10660E-05	-.47272E-06	-.27688E-05	-.20373E-07	-.14574E-06	.70555E-07
		15	-.69795E-04	-.57026E-05	-.67869E-05	.46862E-07	.77977E-06	-.39188E-06
		16	.18265E-05	-.18467E-05	.23061E-05	.43805E-07	-.12447E-06	-.28090E-07
		17	.11558E-03	-.60501E-05	.32541E-04	-.19354E-07	-.76989E-08	-.34182E-06
		18	.19521E-03	-.13518E-03	.61791E-04	-.16606E-05	.12996E-05	-.25029E-06
		19	-.74949E-04	-.81528E-04	-.23980E-04	-.89505E-06	-.61569E-06	-.63263E-06
		20	.21824E-04	.43412E-05	.38427E-05	-.60678E-07	.46257E-08	.19601E-06
		21	.20825E-04	-.25199E-04	.19049E-05	.30516E-06	-.77948E-06	-.41879E-06
		22	-.36298E-04	.31624E-04	-.14955E-04	.37546E-07	-.72612E-06	-.51654E-06
		23	-.37180E-04	-.57998E-05	-.81997E-05	.15947E-07	.22915E-06	.53355E-09
		24	.39336E-07	.24319E-04	-.12651E-06	-.52714E-07	.10733E-07	.59584E-07
		25	-.18289E-05	.23844E-05	-.27174E-06	-.23063E-08	.10395E-08	.51108E-08
		26	-.49961E-05	.15914E-04	.10401E-06	.37022E-07	-.32874E-06	.23329E-07
		27	-.11077E-05	-.15090E-05	-.75032E-06	.26569E-09	-.27353E-07	-.20664E-07
		28	.56056E-05	.13728E-05	.11604E-05	.16064E-07	.28729E-07	-.55595E-07
		29	-.14553E-05	.53436E-05	-.41848E-05	-.15263E-06	-.18053E-06	.13669E-06
		30	-.14904E-06	-.17744E-05	.85315E-06	-.93873E-07	.16634E-07	-.30155E-07
		31	-.35933E-05	-.47369E-06	-.40682E-06	.64067E-08	.25212E-07	-.85895E-08

MAXIMUM VALUE	.90240E-03	.17624E-02	.62935E-03	.10463E-04	.25052E-05	.23777E-04
ABSOLUTE SUM	.25895E-02	.34683E-02	.19942E-02	.43193E-04	.13591E-04	.41881E-04
SCR1.SUM OF SC	.10474E-02	.18438E-02	.89225E-03	.22371E-04	.42754E-05	.25672E-04
CLSLY SP MODES	.11570E-02	.19841E-02	.93735E-03	.23400E-04	.49376E-05	.25817E-04

24	24	1	.15074E-04	-.82956E-03	.41987E-03	.18304E-07	-.14188E-05	.17911E-04
		2	.32850E-04	.15273E-05	.14441E-05	.35034E-07	.73703E-06	-.12314E-06
		3	-.28401E-03	.60085E-03	.16393E-03	-.88601E-06	.47287E-06	-.90959E-05
		4	-.13149E-04	-.95611E-05	-.11130E-05	.61018E-07	-.77935E-07	-.28188E-08
		5	.22250E-06	-.29387E-07	-.19084E-06	.13328E-09	-.17339E-09	.13358E-09
		6	.10335E-02	.78540E-03	-.59240E-03	-.56725E-05	.18168E-05	.24780E-05
		7	.96653E-04	-.37369E-05	.62560E-04	-.58737E-06	.41346E-06	.78785E-07
		8	.16012E-05	.16420E-06	.14293E-05	-.10576E-07	.69956E-08	.22175E-07
		9	-.33344E-03	.29135E-03	.37638E-03	-.18668E-05	-.88299E-06	.63415E-06
		10	-.21992E-04	-.12017E-04	-.46164E-04	-.29745E-07	.39908E-06	.24072E-06
		11	-.40871E-04	.28069E-02	-.50326E-04	-.13628E-04	.60103E-06	.47622E-06
		12	.13579E-03	-.12751E-03	.17756E-05	.90493E-06	-.50880E-06	-.93994E-06
		13	.15344E-04	.25565E-04	-.83419E-06	-.13338E-06	-.69353E-07	.36251E-07
		14	-.67356E-05	-.43296E-06	-.53247E-05	-.26773E-07	-.11326E-06	.71750E-07
		15	-.15463E-04	-.31131E-05	.10630E-04	.10446E-06	.96779E-06	-.39239E-06
		16	-.56304E-05	-.35605E-05	-.16659E-06	.39006E-07	-.12144E-06	-.39761E-07
		17	.85928E-04	-.16515E-06	.22997E-04	-.12285E-07	.764481E-06	-.24584E-06
		18	.20802E-03	-.64381E-04	.64580E-04	-.10086E-05	-.68361E-06	.79682E-07
		19	-.65032E-04	-.35164E-04	-.26315E-04	-.50195E-06	.19347E-06	-.42055E-06
		20	.15964E-04	.36499E-05	.21397E-05	-.48709E-07	-.16190E-06	.22568E-06
		21	-.29224E-04	-.26898E-04	-.14463E-04	.46017E-07	-.75204E-06	-.49185E-06
		22	-.61527E-04	-.27683E-04	-.22614E-04	.37434E-06	-.12694E-06	-.43026E-06
		23	-.88327E-03	.45575E-05	.13523E-05	-.46323E-07	.45898E-06	-.18585E-08
		24	.64951E-06	.16993E-04	.29948E-06	.17884E-06	.15116E-07	.11826E-06
		25	-.14932E-05	.14253E-05	-.65408E-06	.20828E-07	.11194E-09	.11634E-07
		26	-.18805E-04	.65950E-05	-.30745E-05	.18814E-06	-.97744E-07	.34124E-07



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29	29	29	29	29	29
30	30	30	30	30	30
31	31	31	31	31	31

MAXIMUM VALUE	.10335E-02	.28069E-02	.59240E-03	.13828E-04	.18168E-05	.17911E-04
ABSOLUTE SUM	.26030E-02	.57020E-02	.19010E-02	.25903E-04	.12273E-04	.34897E-04
SQRT SUM OF SC	.11847E-02	.31071E-02	.84301E-03	.15154E-04	.33226E-05	.20303E-04
CLSLY SP MODES	.12846E-02	.32355E-02	.89360E-03	.16669E-04	.40114E-05	.20369E-04

23	23	1	1	1	1	1
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6	6	6	6	6	6	6
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27	27	27	27	27	27	27
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29	29	29	29	29	29	29
30	30	30	30	30	30	30
31	31	31	31	31	31	31

MAXIMUM VALUE	.11056E-02	.32650E-02	.54722E-03	.61493E-05	.22909E-05	.13023E-04
ABSOLUTE SUM	.25036E-02	.66342E-02	.13117E-02	.19027E-04	.14535E-04	.37476E-04
SQRT SUM OF SC	.12179E-02	.34477E-02	.80418E-03	.80164E-05	.41487E-05	.17293E-04
CLSLY SP MODES	.13311E-02	.37942E-02	.85670E-03	.82937E-05	.55708E-05	.17847E-04

22	22	1	1	1	1	1
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3	3	3	3	3	3	3
4	4	4	4	4	4	4
5	5	5	5	5	5	5
6	6	6	6	6	6	6
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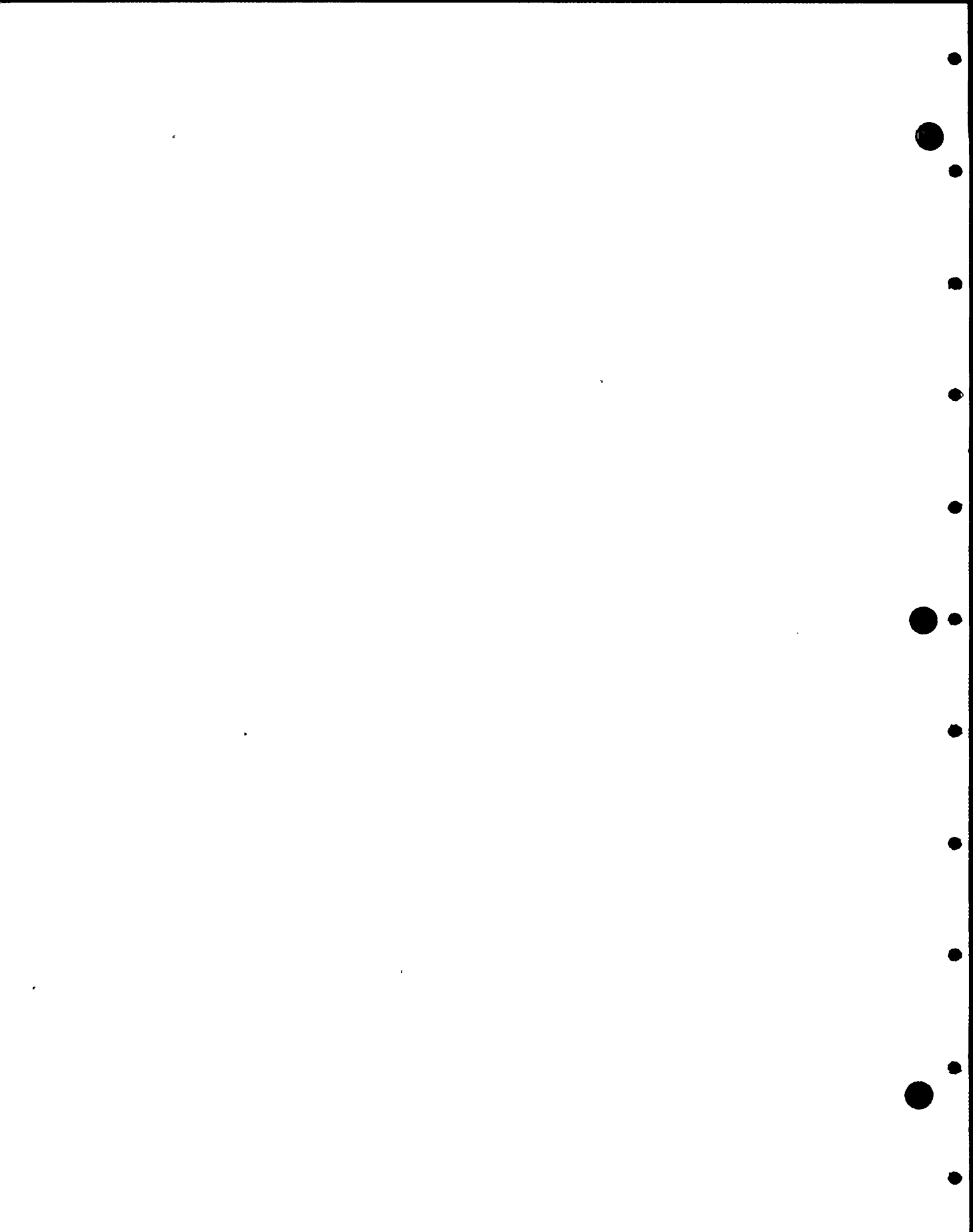
8	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
9	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
10	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
11	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
12	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
13	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
14	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
15	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
16	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
17	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
18	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
19	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
20	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
21	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
22	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
23	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
24	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
25	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
26	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
27	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
28	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
29	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
30	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03
31	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03	.10731E-03

MAXIMUM VALUE	.10770E-02	.27894E-02	.58045E-03	.10297E-04	.37605E-05	.10394E-04
ABSOLUTE SUM	.22480E-02	.58542E-02	.19771E-02	.31834E-04	.18220E-04	.40494E-04
SORT SUM OF SC	.11920E-02	.31499E-02	.81539E-03	.15758E-04	.58368E-05	.17328E-04
CLS LY SP MODES	.12930E-02	.32743E-02	.87049E-03	.16045E-04	.73034E-05	.18419E-04

21	21	1	.87065E-04	.47680E-03	.35953E-03	.12443E-04	.35647E-06	.68005E-05
		2	.54300E-04	.11855E-05	.95498E-05	.56961E-07	.23309E-06	.44200E-07
		3	.13994E-03	.45280E-03	.31875E-03	.13653E-04	.58543E-05	.60968E-05
		4	.25953E-04	.66151E-05	.77242E-05	.94606E-07	.94021E-07	.79174E-07
		5	.41418E-07	.19975E-07	.29975E-06	.43361E-09	.23903E-08	.30616E-10
		6	.97113E-03	.52253E-03	.65432E-03	.54296E-05	.27755E-05	.89305E-05
		7	.92153E-04	.20132E-05	.56053E-04	.96176E-07	.45041E-06	.63896E-07
		8	.15688E-05	.10057E-06	.13569E-05	.10591E-07	.72649E-08	.14857E-07
		9	.55997E-03	.16294E-03	.24570E-03	.21823E-05	.20061E-05	.25102E-05
		10	.23655E-04	.73645E-05	.13969E-04	.22266E-06	.32567E-06	.15935E-06
		11	.82091E-04	.17511E-02	.15906E-04	.15315E-04	.70924E-06	.11756E-04
		12	.59758E-04	.83101E-04	.10172E-03	.26803E-06	.12035E-05	.16323E-05
		13	.51380E-05	.17044E-04	.11812E-04	.80227E-07	.12025E-06	.11220E-06
		14	.62556E-05	.28090E-06	.42571E-05	.52083E-07	.11450E-06	.74356E-07
		15	.63690E-04	.58213E-06	.46177E-04	.28895E-06	.32405E-06	.39554E-06
		16	.10537E-04	.58640E-05	.25511E-05	.83390E-07	.69992E-07	.42235E-07
		17	.90502E-04	.64228E-05	.67606E-04	.54953E-10	.37311E-06	.45713E-07
		18	.16510E-03	.13162E-04	.13776E-03	.58935E-06	.16855E-05	.40666E-06
		19	.64495E-04	.43582E-05	.55478E-04	.10751E-06	.74500E-06	.66493E-07
		20	.14183E-04	.12211E-04	.12384E-04	.39133E-07	.11374E-07	.29878E-06
		21	.14493E-04	.63680E-04	.12231E-05	.46352E-06	.77386E-06	.52605E-06
		22	.43799E-04	.57845E-04	.37618E-04	.91557E-06	.61917E-06	.44119E-06
		23	.23370E-04	.70414E-05	.14713E-04	.67603E-07	.40714E-06	.69354E-07
		24	.66493E-06	.24518E-04	.59756E-06	.19973E-07	.13703E-07	.83435E-07
		25	.10185E-05	.18622E-05	.19299E-05	.92825E-08	.23759E-08	.10190E-07
		26	.19712E-04	.72046E-05	.21714E-04	.50695E-07	.10332E-06	.19418E-06
		27	.10577E-05	.52225E-06	.19075E-06	.25531E-07	.18796E-07	.82887E-08
		28	.29251E-05	.55171E-06	.88108E-06	.40313E-07	.30210E-07	.83290E-07
		29	.18070E-04	.10714E-04	.18327E-04	.13061E-06	.43744E-07	.16087E-06
		30	.18763E-05	.74021E-05	.81619E-06	.56337E-07	.34981E-08	.81741E-09
		31	.16511E-05	.30351E-06	.17054E-05	.70542E-08	.36471E-07	.20256E-07

MAXIMUM VALUE	.97113E-03	.17511E-02	.65434E-03	.15315E-04	.58543E-05	.11756E-04
ABSOLUTE SUM	.26511E-02	.37085E-02	.23218E-02	.52802E-04	.19514E-04	.41122E-04
SORT SUM OF SC	.11647E-02	.19502E-02	.91579E-03	.24737E-04	.72998E-05	.17646E-04
CLS LY SP MODES	.12709E-02	.20350E-02	.98860E-03	.25132E-04	.80131E-05	.18895E-04

20	20	1	.98989E-04	.82575E-04	.34619E-03	.12643E-04	.19119E-06	.57604E-05
		2	.40478E-04	.57473E-06	.72643E-06	.66841E-07	.28607E-06	.17641E-07
		3	.47216E-03	.17094E-03	.80837E-03	.20673E-04	.82291E-05	.40571E-05
		4	.30712E-04	.30081E-05	.11369E-04	.17476E-06	.12036E-06	.11700E-06
		5	.87656E-07	.89781E-08	.40609E-06	.71093E-09	.37162E-08	.12321E-09
		6	.81359E-03	.21369E-03	.17447E-03	.10574E-04	.35193E-05	.11580E-04
		7	.66493E-04	.72307E-06	.36781E-04	.13157E-06	.53438E-06	.58037E-07
		8	.11495E-05	.17166E-06	.10366E-05	.13290E-07	.85532E-08	.10889E-07
		9	.65746E-03	.56955E-04	.16063E-03	.36733E-05	.24797E-05	.30738E-05
		10	.36109E-04	.14233E-05	.48491E-05	.25033E-06	.19761E-06	.16146E-06





CLSLY SP MODES

20 20

1	-.98989F-04	-.82575F-04	.34019E-03	-.12641E-04	-.19119E-06	.57604E-05
2	-.40478F-04	-.57473F-06	-.72443F-06	.66891E-07	-.28607E-06	-.17641E-07
3	-.47216E-03	-.17094E-03	-.06837F-03	.20671E-04	.82291E-05	-.40571F-05
4	-.30712E-04	.30081E-05	-.11369E-04	-.17473E-06	-.12636E-06	.11700E-06
5	-.87656E-07	.89781F-08	-.40009F-06	-.71093E-09	-.32162E-08	-.12321E-09
6	.81359E-03	-.21369E-03	-.77447E-03	.10571E-04	-.35193E-05	.11580F-04
7	.66486E-04	.72307E-06	.36781E-04	-.13151E-06	-.53438E-06	.58037F-07
8	.11495E-05	.17166E-06	.10360E-05	-.13241E-07	-.85532E-08	.10889F-07
9	-.65746E-03	-.56955E-04	.16463E-03	.36733E-05	-.24797E-05	.30738E-05
10	.36109E-04	-.14233E-05	-.48491E-05	-.25033E-06	.19761E-06	.16146F-06
11	.10937E-03	.54122E-03	.37769E-04	.14073E-04	.51166E-06	.75569E-05
12	-.14080E-03	-.41742E-04	-.13689E-03	.72103E-06	-.75035E-06	-.13988E-05
13	-.95362E-05	.99860E-05	-.15104E-04	.12972E-07	-.66402E-07	.41942E-07
14	.30039E-06	-.34159E-06	.69390E-06	-.59631E-07	.13562E-06	.76341E-07
15	.33489E-04	-.16068E-05	.23447E-04	.36711E-06	-.72834E-06	-.38923E-06
16	-.57534E-05	-.98647E-05	.77898E-06	.16643E-05	.95685E-07	.50509E-09
17	-.83090E-04	.38109E-05	-.61342E-04	-.50813E-07	.45143E-06	.10143E-06
18	-.19681E-03	.26241E-04	-.18173E-03	-.69901E-06	.62390E-07	.35882E-06
19	.89727E-04	-.31452E-05	.67794E-04	.21683E-06	.30873E-07	-.93657E-08
20	-.77415E-05	-.21207E-04	-.86316F-05	.53432E-08	.15155E-06	.35639E-06
21	.25219F-04	.10264E-03	.20189E-04	-.74622E-06	.68441E-06	-.65084E-06
22	.57150F-04	-.82477E-04	.47032E-04	.11645E-05	.91939E-08	-.35874E-06
23	-.51189E-05	.58480E-05	-.66415F-05	-.62081E-07	-.56269E-06	.91047E-07
24	-.17057E-06	-.13369E-04	.15664E-06	-.10347E-06	-.11307E-07	-.15107E-06
25	-.47301E-06	-.13588E-06	-.20216F-05	-.24843E-07	.39244E-08	-.16541E-07
26	.13125E-04	.67988E-05	.17202E-04	-.11694E-06	-.23480E-06	-.23683E-06
27	.17020E-05	-.84878E-06	-.24854E-06	.36237E-07	-.91793E-08	-.64119E-08
28	.10943E-06	.75911E-06	.19317E-05	.45072E-07	.71914F-07	-.87756E-07
29	.56617E-05	-.37371E-05	.11047E-04	-.25730F-06	-.26953E-06	.11327F-06
30	-.16091E-05	-.60530F-05	-.38767E-06	-.32350E-08	-.18622E-07	-.45095E-07
31	-.22412E-05	.08859E-06	-.21955E-05	.13113E-07	.69109E-08	-.18954E-07

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT SUM OF SQ  
CLSLY SP MODES

.81359E-03	.54122F-03	.77447E-03	.20673E-04	.82291E-05	.11580E-04
.29590F-02	.14124F-02	.26400E-02	.67150E-04	.20469E-04	.36903E-04
.11896E-02	.63137F-03	.11196F-02	.30233E-04	.94478E-05	.15918E-04
.12849E-02	.68527F-03	.11780E-02	.30883E-04	.98361E-05	.16749E-04

19 19

1	-.10175F-03	.22460F-03	.34179E-03	-.11805E-04	-.11893E-06	.55132E-05
2	.28413E-04	-.35064E-05	-.11634E-04	.71812E-07	-.25660E-06	.35399E-08
3	.88044F-03	-.11096F-02	.10467E-02	.26825E-04	.95345E-05	-.31263E-05
4	-.37258E-04	.17808E-04	-.17264E-04	-.23360E-06	-.13866E-06	-.13144E-06
5	-.24317E-06	.52818F-07	-.54603E-06	-.92494E-09	-.30955F-08	-.14566E-09
6	.66610E-03	-.12937E-02	-.92370E-03	.13757E-07	-.34619E-05	.12213E-04
7	.44230E-04	.49785E-05	.16307E-04	-.15951E-06	-.50480E-06	.60038E-07
8	.79882E-06	.47513E-06	.71759E-06	-.15633E-07	-.80970E-08	.75403E-08
9	-.77721E-03	-.37634E-03	.52925E-04	.43944E-05	-.25195E-05	.28995E-05
10	.42147E-04	.28867E-05	-.74675E-07	-.25770E-06	.30792E-07	.17978E-06
11	.12746E-03	-.73434E-04	.54945E-04	.85220E-05	.17065E-06	.50786E-06
12	-.12339E-03	-.42297E-04	-.15741E-03	.13120E-05	.82780E-08	-.11114E-05
13	-.11235E-04	.12740E-04	-.16612E-04	-.69275E-07	.17347E-07	-.27139E-07
14	.59789E-05	-.68915E-06	.58127E-05	-.69204E-07	.95134E-07	.76474E-07
15	-.17785E-05	-.41169E-05	-.88420E-05	.43955E-06	-.75120E-06	-.39144E-06
16	-.16147E-05	-.20751E-04	.42310E-05	.20867E-06	.67783E-07	-.37852E-08
17	-.51564E-04	.32124E-05	-.31439E-04	-.12703E-06	.98983E-06	.14033E-06
18	-.16066E-03	.46743F-04	-.12810E-03	-.71859E-06	.17826E-05	.41615E-06
19	.68440E-04	-.14248E-04	.56383E-04	.23117E-06	-.69839E-06	-.43021E-07
20	-.11470E-05	-.39436E-04	-.40998E-06	-.63173E-07	.21198E-06	.29769E-06
21	.48296E-04	.17894E-03	.48127E-04	-.53451E-06	.85125E-07	-.25725E-06
22	.45764E-04	-.13476F-03	.36345E-04	.16868E-05	-.60407E-06	-.63505E-06
23	-.27572E-04	.57352E-05	-.26482E-04	-.69453E-07	-.21319E-06	.10755E-06
24	-.56566E-06	-.40095E-05	.14085E-07	-.94883E-07	.11238E-08	-.11976E-06
25	-.13315E-06	.15876F-05	-.22700E-05	-.17667E-07	.47750E-08	-.38225E-08
26	-.15138E-05	.20928E-04	.34608E-05	.15551E-07	-.33323E-06	-.10754E-06
27	.97358F-06	-.22187E-05	-.12714E-05	.27842E-07	-.21325E-07	-.21325E-07
28	.29865E-05	.20062F-05	.50823E-05	.70943E-07	.23403E-07	-.74223E-07
29	-.87136E-05	.36574F-05	.14014E-05	-.27087E-06	-.17991E-06	.15867E-06
30	-.14374E-07	-.37458F-05	.36719E-06	-.29674E-07	.15290E-07	-.67065E-07
31	-.10954E-05	.55716F-06	-.13548E-05	.21857E-07	.41361E-07	-.15152E-07

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT SUM OF SQ  
CLSLY SP MODES

.68044E-03	.12937E-02	.10467E-02	.26825E-04	.95345E-05	.12213E-04
.32635E-02	.36514E-02	.30032E-02	.71513E-04	.22845E-04	.28718E-04
.13789E-02	.17777E-02	.14568E-02	.33823E-04	.10745E-04	.14152E-04
.14543F-02	.18128E-02	.14958E-02	.34509E-04	.11325E-04	.14308E-04

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1	-.10694E-03	.44002E-03	.33421E-03	-.10855E-04	-.29280E-06	.53564E-05
2	.18942F-04	-.48451E-05	-.21727F-04	.66417E-07	-.20285E-06	.10374E-07



MAXIMUM VALUE	.88044E-03	.12937E-02	.10467E-02	.26823E-04	.95345E-05	.12213E-04
ABSOLUTE SUM	.32635E-02	.36519E-02	.30032E-02	.71513E-04	.22895E-04	.28718E-04
SORT. SUM OF SG	.13789E-02	.17777E-02	.14568E-02	.33823E-04	.10745E-04	.14152E-04
CLS LY SP MODES	.14543E-02	.18128E-02	.14958E-02	.34507E-04	.11325E-04	.14308E-04

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1	-.10694E-03	.44002E-03	.33421E-03	-.10853E-04	-.29286E-06	.53564E-05
2	.18982E-04	-.68345E-05	-.21727E-04	.66917E-07	-.20285E-06	.14374E-07
3	.12569E-02	-.21245E-02	.14612E-02	.30667E-04	.87697E-05	-.05961E-05
4	-.42313E-04	.33147E-04	-.22686E-04	-.24637E-06	-.96891E-07	-.99735E-07
5	-.37410E-06	.97262E-07	-.69186E-06	-.10034E-08	-.28410E-08	-.32033E-10
6	.53338E-03	-.23577E-02	-.10673E-02	.13407E-04	-.27519E-05	.93845E-05
7	.20673E-04	.89102E-05	-.50323E-05	-.17547E-06	-.45772E-06	.74066E-07
8	.37613E-06	.84167E-06	.36329E-06	-.16123E-07	-.78033E-08	.61095E-08
9	-.86333E-03	-.65845E-03	-.46034E-04	.40383E-05	-.17907E-05	.16904E-05
10	.39621E-04	.49533E-05	-.32801E-05	-.26253E-06	-.14533E-06	.19893E-06
11	.12351E-03	-.20653E-03	.51765E-04	.45841E-05	-.28951E-06	-.46317E-05
12	-.10219E-03	-.57747E-04	-.13392E-03	.16613E-05	.95984E-06	-.10760E-05
13	-.83692E-05	.17888E-04	-.13385E-04	-.80477E-07	.11594E-06	-.25260E-07
14	.83882E-05	-.95369E-06	.83363E-05	-.82557E-07	.18063E-07	.72898E-07
15	-.28450E-04	-.55295E-05	-.38296E-04	.49917E-06	-.49175E-06	-.40681E-06
16	.33306E-06	-.26646E-04	.58468E-05	.15773E-06	.12169E-07	-.92706E-07
17	-.30096E-05	.25448E-05	.21595E-04	-.19781E-06	.11339E-05	.18432E-06
18	-.52948E-04	.51044E-04	-.10922E-04	-.54783E-06	.27521E-05	.63742E-06
19	.28497E-04	-.18606E-04	.85707E-05	.17324E-06	-.11598E-05	-.14067E-06
20	.73984E-05	-.40519E-04	.72521E-05	-.30408E-06	.17390E-06	.92554E-07
21	.35071E-04	.16745E-03	.32307E-04	.39901E-06	-.58535E-06	.72841E-06
22	.85706E-05	-.11922E-03	-.41935E-05	.49003E-06	-.92752E-06	-.13325E-05
23	-.24456E-04	.26535E-05	-.22492E-04	-.64033E-07	.26971E-06	.13120E-06
24	-.32324E-06	.43648E-05	.47097E-06	-.72530E-07	.12030E-07	-.72796E-07
25	.40597E-06	.16316E-05	-.21525E-05	-.29079E-08	.66230E-08	.14218E-07
26	-.14751E-04	.14389E-04	-.97132E-05	.22253E-06	-.22228E-06	.65937E-07
27	.62876E-07	-.13770E-05	-.24685E-05	.12800E-07	-.18109E-07	-.39668E-07
28	.17437E-05	.10459E-05	.41588E-05	.10382E-06	-.46510E-07	-.57335E-07
29	-.12970E-04	.54502E-05	-.59241E-06	-.25629E-06	.21930E-07	.22583E-06
30	.44174E-06	.18851E-05	.60720E-06	-.40803E-07	-.36403E-09	-.68744E-07
31	.13193E-05	-.57023E-07	.10644E-05	.30485E-07	.43851E-07	-.12678E-07

MAXIMUM VALUE	.12569E-02	.23577E-02	.14612E-02	.30607E-04	.87697E-05	.93845E-05
ABSOLUTE SUM	.33470E-02	.63849E-02	.33449E-02	.69722E-04	.23820E-04	.31530E-04
SORT. SUM OF SG	.16303E-02	.32856E-02	.18477E-02	.35771E-04	.10955E-04	.12902E-04
CLS LY SP MODES	.16831E-02	.33264E-02	.18738E-02	.36315E-04	.10989E-04	.13540E-04

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1	-.12117E-03	.56290E-03	.31331E-03	-.98149E-05	-.63231E-06	.52851E-05
2	.12812E-04	-.98470E-05	-.29545E-04	.53162E-07	-.12635E-06	.14790E-07
3	.15395E-02	-.29970E-02	.18332E-02	.32630E-04	.63111E-05	-.83002E-05
4	-.44757E-04	.45214E-04	-.25758E-04	-.22131E-06	-.21242E-07	-.24781E-07
5	-.45578E-06	.13088E-06	-.80140E-06	-.97255E-09	-.14255E-08	.20690E-09
6	.45661E-03	-.31397E-02	-.11731E-02	.10329E-04	-.13037E-05	.34778E-05
7	.96367E-05	.11496E-04	-.24815E-04	-.18286E-06	-.35980E-06	.98070E-07
8	.20729E-06	.11409E-05	.21199E-07	-.15165E-07	-.68988E-08	.64284E-08
9	-.90852E-03	-.83044E-03	-.11035E-03	.29187E-05	-.63466E-06	-.35913E-06
10	.32033E-04	.47732E-05	-.13708E-04	-.26974E-06	-.26112E-06	.21540E-06
11	.10530E-03	-.42932E-05	.29347E-04	.22240E-05	-.66260E-06	-.76816E-05
12	-.53199E-04	-.70202E-04	-.69735E-04	.18449E-05	.16785E-05	-.12430E-05
13	-.27837E-05	.21000E-04	-.69017E-05	-.44062E-07	.18440E-06	.32149E-07
14	.76076E-05	-.99534E-06	.71995E-05	-.99450E-07	-.69142E-07	.66694E-07
15	-.39687E-04	-.50871E-05	-.52008E-04	.55682E-06	.18103E-07	-.42555E-06
16	-.10877E-06	-.24244E-04	.48133E-05	.72153E-07	-.50316E-07	-.21855E-06
17	.33924E-04	.14080E-05	.69612E-04	-.27373E-06	.60400E-06	.22274E-06
18	.49086E-04	.32783E-04	.12131E-03	-.37221E-06	.20614E-05	.85319E-06
19	-.18613E-04	-.14622E-04	-.47273E-04	.98741E-07	-.89347E-06	-.25304E-06
20	.11745E-04	-.24960E-04	.15262E-04	-.54843E-06	.19821E-07	-.10411E-06
21	.66403E-05	.83907E-04	-.60441E-05	.11792E-05	-.82333E-06	.14818E-05
22	-.23960E-04	-.52324E-04	-.46354E-04	.68213E-07	-.54609E-06	-.17898E-05
23	-.87674E-05	-.11522E-05	-.13451E-05	-.86467E-07	.44983E-06	.12353E-06
24	.10017E-06	.79201E-05	.12836E-05	-.84294E-08	.10164E-07	.20607E-07
25	.90300E-06	.53704E-06	-.21282E-05	.59813E-08	.68016E-08	.24521E-07
26	-.19176E-04	-.15275E-05	-.14556E-04	.31135E-06	.16690E-06	.91631E-07
27	-.18183E-06	.35781E-06	-.30491E-05	.12437E-07	.11597E-07	-.40168E-07
28	-.86667E-06	-.62128E-06	.12500E-05	.12195E-06	-.64647E-07	-.58922E-07
29	-.10199E-04	.26449E-05	.59437E-05	-.25633E-06	.16075E-06	.27365E-06
30	.25801E-06	.54212E-05	.82973E-07	.70057E-08	-.15240E-07	-.97307E-09
31	.24680E-05	-.58253E-06	.23066E-05	.31133E-07	-.14113E-07	-.19773E-07







12	.81724E-04	.31675E-05	.31675E-05	.31675E-05	.31675E-05	.31675E-05
13	.9738E-05	.9177E-05	.1486E-04	.63107E-07	.16245E-06	.17293E-06
14	.16071E-06	.26590E-06	.65504E-05	.13387E-06	.14845E-06	.54911E-07
15	.92199E-05	.25127E-05	.34120E-05	.7043E-06	.84222E-06	.41264E-06
16	.47372E-05	.71701E-05	.26612E-05	.1331E-07	.77532E-07	.29689E-06
17	.22535E-04	.31247E-05	.44481E-04	.45325E-06	.10121E-05	.25863E-06
18	.71798E-04	.43913E-04	.14588E-03	.36152E-06	.18409E-05	.69725E-06
19	.31265E-04	.14502E-04	.43032E-04	.65057E-07	.72573E-06	.26701E-06
20	.29707E-05	.33933E-04	.35993E-06	.74231E-06	.22852E-06	.18970E-07
21	.28379E-04	.15749E-03	.06481E-04	.11453E-05	.10711E-06	.34371E-06
22	.16669E-04	.11724E-03	.29787E-04	.47535E-06	.81029E-06	.68218E-06
23	.15000E-04	.31333E-05	.38880E-04	.17733E-06	.93846E-07	.45022E-07
24	.64413E-07	.44751E-05	.14219E-05	.60362E-07	.11969E-07	.79128E-07
25	.17523E-05	.19740E-05	.17282E-05	.52458E-08	.51274E-08	.93105E-09
26	.70037E-06	.16952E-04	.14896E-04	.21446E-06	.17895E-06	.25916E-06
27	.20588E-05	.16649E-05	.58292E-06	.40401E-07	.25932E-07	.76723E-09
28	.34984E-05	.10186E-05	.21285E-05	.13699E-06	.34261E-07	.88127E-07
29	.34511E-05	.71062E-05	.21204E-04	.38575E-06	.10635E-06	.16203E-06
30	.48477E-06	.37379E-05	.18013E-05	.58275E-07	.53277E-08	.27491E-07
31	.70830E-06	.33091E-06	.35811E-05	.36213E-07	.13240E-07	.23831E-07

MAXIMUM VALUE	.17136E-02	.35848E-02	.21274E-02	.33780E-04	.25155E-05	.19106E-04
ABSOLUTE SUM	.36025E-02	.91692E-02	.43005E-02	.52257E-04	.15227E-04	.53662E-04
SQRT. SUM OF SQ	.19954E-02	.48059E-02	.21234E-02	.34787E-04	.45281E-05	.24495E-04
CLS LY SP MODES	.20361E-02	.49173E-02	.24732E-02	.35063E-04	.55952E-05	.25316E-04

14 14	1	.21468E-03	.41186E-03	.11450E-03	.64504E-05	.17788E-05	.52496E-05
	2	.11457E-04	.11026E-04	.29220E-04	.23611E-07	.11091E-06	.33719E-07
	3	.16553E-02	.11485E-02	.17956E-02	.30187E-04	.35132E-05	.24194E-04
	4	.37314E-04	.36850E-04	.97102E-05	.45067E-07	.18479E-06	.31144E-06
	5	.36113E-06	.87099E-07	.59000E-06	.62110E-09	.37704E-08	.11900E-08
	6	.56544E-03	.22168E-02	.92333E-03	.34013E-05	.40295E-05	.17167E-04
	7	.34776E-05	.54889E-05	.45707E-04	.20241E-06	.84680E-07	.16083E-06
	8	.16433E-06	.78804E-06	.62895E-06	.92390E-08	.10581E-08	.10847E-07
	9	.82420E-03	.35943E-03	.27346E-04	.59401E-06	.17681E-05	.53290E-05
	10	.11663E-04	.50012E-05	.51360E-04	.33799E-06	.89144E-07	.18636E-06
	11	.39657E-04	.10536E-02	.84394E-04	.26995E-05	.39683E-06	.47628E-05
	12	.92223E-04	.19655E-04	.20321E-03	.22227E-05	.10319E-05	.18713E-05
	13	.11887E-04	.34746E-05	.21669E-04	.10103E-06	.90202E-07	.20247E-06
	14	.32752E-05	.69953E-07	.14231E-04	.15003E-06	.41246E-06	.52151E-07
	15	.11815E-04	.71023E-05	.54029E-04	.79827E-06	.91454E-06	.37256E-06
	16	.56609E-05	.21530E-04	.74256E-05	.16743E-07	.18313E-07	.19751E-06
	17	.82145E-05	.58087E-05	.30358E-04	.55283E-06	.14790E-05	.26273E-06
	18	.61349E-05	.61692E-04	.15476E-04	.56753E-06	.34059E-05	.37978E-06
	19	.45037E-05	.24087E-04	.27745E-05	.10961E-06	.14054E-05	.17029E-06
	20	.28698E-05	.40462E-04	.12933E-04	.74953E-06	.22397E-06	.28891E-06
	21	.14963E-04	.14554E-03	.35146E-04	.53749E-06	.83011E-06	.11036E-05
	22	.81231E-05	.96130E-04	.31674E-04	.11047E-05	.11477E-05	.47347E-06
	23	.51543E-05	.52953E-06	.15095E-04	.22673E-06	.59459E-06	.86698E-08
	24	.58530E-06	.83493E-05	.40975E-06	.43623E-07	.19014E-07	.16259E-07
	25	.20296E-05	.75457E-06	.14867E-05	.17987E-07	.39875E-08	.21579E-07
	26	.10932E-05	.17992E-05	.17657E-04	.14055E-06	.13485E-06	.42542E-06
	27	.23272E-05	.26849E-06	.12393E-05	.55855E-07	.1548E-08	.15370E-07
	28	.18336E-05	.10497E-05	.21605E-05	.15013E-06	.85276E-07	.93880E-07
	29	.10325E-04	.18116E-05	.54295E-05	.48573E-06	.33903E-06	.67860E-07
	30	.16956E-06	.42337E-05	.57886E-06	.39043E-07	.26834E-07	.33000E-07
	31	.81949E-08	.50011E-06	.19005E-05	.44131E-07	.49457E-07	.16874E-07

MAXIMUM VALUE	.16553E-02	.31485E-02	.10956E-02	.34187E-04	.40285E-05	.24194E-04
ABSOLUTE SUM	.35569E-02	.76924E-02	.37596E-02	.55971E-04	.23886E-04	.63481E-04
SQRT. SUM OF SQ	.19488E-02	.40342E-02	.22100E-02	.35193E-04	.74380E-05	.31057E-04
CLS LY SP MODES	.19841E-02	.40764E-02	.22563E-02	.35493E-04	.90045E-05	.31748E-04

13 13	1	.20672E-03	.22328E-03	.76934E-05	.53343E-05	.19204E-05	.51726E-05
	2	.13773E-04	.77485E-05	.21340E-04	.55931E-07	.15366E-06	.60580E-07
	3	.15717E-02	.22888E-02	.17425E-02	.35147E-04	.48871E-05	.27480E-04
	4	.33627E-04	.14790E-04	.12706E-05	.15145E-07	.18745E-06	.40369E-06
	5	.28246E-06	.22727E-07	.34692E-06	.51535E-09	.46479E-08	.14273E-08
	6	.64466E-03	.10540E-02	.66904E-03	.65902E-05	.45751E-05	.19313E-04
	7	.10186E-05	.90920E-07	.37530E-04	.21875E-06	.17960E-06	.15554E-06
	8	.16838E-06	.31052E-06	.63209E-06	.76033E-08	.63705E-09	.10857E-07
	9	.78422E-03	.44702E-04	.12584E-03	.68587E-06	.17225E-05	.45932E-05
	10	.11062E-04	.82278E-05	.52862E-04	.37593E-06	.28282E-07	.14642E-06
	11	.34051E-02	.12009E-02	.95981E-04	.36643E-05	.34390E-07	.26652E-05
	12	.10485E-03	.85287E-04	.24315E-03	.24292E-05	.39114E-06	.18636E-05
	13	.12800E-04	.17121E-04	.23783E-04	.12656E-06	.21795E-07	.18029E-06
	14	.51016E-05	.22242E-07	.20226E-04	.16541E-06	.79227E-07	.52377E-07
	15	.27614E-04	.11672E-04	.10383E-03	.89911E-06	.75050E-06	.31949E-06





5	-.22776E-07	-.22776E-07	-.3169E-06	-.51535E-09	-.46479E-08	-.14273E-08
6	-.64466E-03	-.10546E-02	-.66904E-03	-.65942E-05	-.45751E-05	-.19313E-04
7	-.10186E-05	-.90924E-07	-.37536E-04	-.2127E-06	-.17966E-06	-.15554E-06
8	-.16338E-06	-.31052E-06	-.63204E-06	-.7663E-08	-.63765E-09	-.10857E-07
9	-.78422E-03	-.44704E-04	-.12584E-03	-.68547E-06	-.17225E-05	-.45932E-05
10	-.11062E-04	-.32728E-05	-.52867E-04	-.37593E-06	-.28282E-07	-.14642E-06
11	-.34051E-04	-.12009E-02	-.95981E-04	-.36643E-05	-.34390E-07	-.26652E-05
12	-.19485E-03	-.85287E-04	-.24315E-03	-.24292E-05	-.39114E-06	-.18636E-05
13	-.12400E-04	-.17121E-04	-.24783E-04	-.12056E-06	-.21795E-07	-.18029E-06
14	-.51616E-05	-.22221E-07	-.20226E-04	-.16541E-06	-.79227E-07	-.52377E-07
15	-.27615E-04	-.11674E-04	-.10383E-03	-.89911E-06	-.75050E-06	-.31945E-06
16	-.49772E-05	-.28184E-04	-.68266E-05	-.74343E-07	-.82151E-07	-.33109E-07
17	-.35789E-04	-.10086E-04	-.11832E-03	-.65023E-06	-.13920E-05	-.27479E-06
18	-.60419E-04	-.65513E-04	-.22947E-03	-.62195E-06	-.35200E-05	-.17150E-06
19	-.23204E-04	-.28891E-04	-.91884E-04	-.14944E-06	-.14759E-05	-.94028E-07
20	-.66890E-05	-.30513E-04	-.23983E-04	-.70590E-06	-.13936E-06	-.46234E-06
21	-.40105E-05	-.58198E-04	-.24727E-04	-.14445E-06	-.11016E-05	-.18693E-05
22	-.28674E-04	-.21686E-04	-.97356E-04	-.15439E-05	-.92424E-06	-.10314E-05
23	-.80371E-05	-.49017E-05	-.26566E-04	-.26312E-06	-.70702E-06	-.10240E-07
24	-.10034E-05	-.79974E-05	-.59696E-06	-.22252E-07	-.12561E-07	-.54075E-07
25	-.22272E-05	-.10960E-05	-.14044E-05	-.22707E-07	-.20523E-08	-.19295E-07
26	-.32007E-05	-.24026E-04	-.58338E-05	-.16593E-06	-.34265E-06	-.31612E-06
27	-.21443E-05	-.22262E-05	-.04589E-06	-.60543E-07	-.18189E-07	-.15796E-08
28	-.31350E-06	-.33057E-05	-.72845E-05	-.17086E-06	-.57364E-07	-.74306E-07
29	-.17386E-04	-.46849E-05	-.15778E-04	-.54646E-06	-.28976E-06	-.87366E-07
30	-.82936E-06	-.16865E-05	-.10453E-05	-.29328E-07	-.21135E-07	-.63692E-07
31	-.12173E-05	-.43151E-06	-.16441E-05	-.51528E-07	-.59212E-07	-.11960E-07

	MAXIMUM VALUE	ABSOLUTE SUM	SQR1 SUM OF SC	CLS1Y SP MODES
	-.15717E-02	-.22888E-02	-.17425E-02	-.35147E-04
	-.36924E-02	-.52516E-02	-.37993E-02	-.61136E-04
	-.18929E-02	-.28044E-02	-.19161E-02	-.36504E-04
	-.19260E-02	-.28590E-02	-.19758E-02	-.36873E-04

12 12	1	-.24845E-03	-.20712E-03	-.33649E-06	-.52546E-05	-.19222E-05	-.51654E-05
	2	-.13912E-04	-.74458E-05	-.20680E-04	-.58349E-07	-.15547E-06	-.62657E-07
	3	-.15665E-02	-.22077E-02	-.17212E-02	-.35234E-04	-.49293E-05	-.27642E-04
	4	-.33641E-04	-.13104E-04	-.20590E-05	-.19339E-07	-.18601E-06	-.40942E-06
	5	-.27783E-06	-.17301E-07	-.32748E-06	-.50843E-09	-.46868E-08	-.14411E-08
	6	-.64903E-03	-.96668E-03	-.64949E-03	-.67811E-05	-.45753E-05	-.19328E-04
	7	-.84292E-06	-.34739E-06	-.36729E-04	-.22017E-06	-.18423E-06	-.15447E-06
	8	-.16775E-06	-.27243E-06	-.02644E-06	-.75605E-08	-.73516E-09	-.10809E-07
	9	-.78193E-03	-.24234E-04	-.13262E-03	-.68522E-06	-.17104E-05	-.44799E-05
	10	-.11094E-04	-.84642E-05	-.52659E-04	-.37890E-06	-.35960E-07	-.14305E-06
	11	-.33925E-04	-.12063E-02	-.95874E-04	-.37321E-05	-.89282E-08	-.25325E-05
	12	-.10510E-03	-.90563E-04	-.24630E-03	-.24452E-05	-.30641E-06	-.18576E-05
	13	-.12603E-04	-.17973E-04	-.24825E-04	-.12128E-06	-.17166E-07	-.17683E-06
	14	-.52280E-05	-.78299E-07	-.20516E-04	-.16647E-06	-.75315E-07	-.52500E-07
	15	-.28297E-04	-.12102E-04	-.10676E-03	-.90659E-06	-.73751E-06	-.31527E-06
	16	-.48762E-05	-.28196E-04	-.65038E-05	-.79534E-07	-.91177E-07	-.19148E-07
	17	-.37064E-04	-.10555E-04	-.12391E-03	-.65703E-06	-.13659E-05	-.27602E-06
	18	-.63677E-04	-.65293E-04	-.24388E-03	-.62892E-06	-.34749E-05	-.16170E-06
	19	-.24574E-04	-.29004E-04	-.97941E-04	-.15208E-06	-.14586E-05	-.89760E-07
	20	-.68236E-05	-.29083E-04	-.24468E-04	-.70670E-06	-.13098E-06	-.47051E-06
	21	-.55177E-05	-.49901E-04	-.29370E-04	-.12390E-06	-.11046E-05	-.18967E-05
	22	-.29484E-04	-.15463E-04	-.10093E-03	-.15685E-05	-.88802E-06	-.10480E-05
	23	-.87180E-05	-.50993E-05	-.29505E-04	-.26528E-06	-.70093E-06	-.11671E-07
	24	-.10202E-05	-.77350E-05	-.64396E-06	-.20551E-07	-.11706E-07	-.59162E-07
	25	-.22370E-05	-.12011E-05	-.13961E-05	-.22755E-07	-.24695E-08	-.18287E-07
	26	-.35180E-05	-.25096E-04	-.30373E-05	-.17134E-06	-.35283E-06	-.29855E-06
	27	-.21237E-05	-.22055E-05	-.59629E-06	-.60490E-07	-.17308E-07	-.47688E-09
	28	-.26789E-06	-.38253E-05	-.74905E-05	-.17263E-06	-.52549E-07	-.72061E-07
	29	-.17640E-04	-.48590E-05	-.16887E-04	-.54895E-06	-.27666E-06	-.92894E-07
	30	-.85649E-06	-.14103E-05	-.11237E-05	-.28973E-07	-.14890E-07	-.64656E-07
	31	-.12735E-05	-.42355E-06	-.20872E-05	-.52035E-07	-.56022E-07	-.11708E-07

	MAXIMUM VALUE	ABSOLUTE SUM	SQR1 SUM OF SC	CLS1Y SP MODES
	-.15065E-02	-.22077E-02	-.17212E-02	-.35237E-04
	-.37008E-02	-.50414E-02	-.37988E-02	-.61472E-04
	-.18895E-02	-.27067E-02	-.18935E-02	-.36620E-04
	-.19226E-02	-.27639E-02	-.19574E-02	-.37004E-04

11 11	1	-.69913E-04	-.24245E-04	-.27794E-04	-.14113E-05	-.37509E-05	-.25823E-05
	2	-.06645E-05	-.16897E-05	-.52149E-05	-.94588E-07	-.22832E-06	-.16318E-06
	3	-.18165E-03	-.12043E-02	-.15135E-03	-.36089E-04	-.43976E-05	-.21971E-04
	4	-.54021E-05	-.19294E-04	-.11040E-04	-.60744E-06	-.18466E-06	-.98576E-06
	5	-.16459E-06	-.55138E-07	-.72681E-07	-.10762E-08	-.52382E-08	-.11867E-08
	6	-.28578E-03	-.17455E-03	-.75593E-04	-.71115E-05	-.52947E-05	-.45153E-05
	7	-.39358E-05	-.14710E-05	-.12350E-04	-.76274E-07	-.27774E-06	-.95518E-08



ABSOLUTE SUM	.15607E-02	.30078E-02	.50473E-02	.37987E-02	.61071E-04	.20899E-05	.66924E-04
SORT. SUM OF SC	.18095E-02	.27067E-02	.18933E-02	.36621E-04	.80509E-05	.80509E-05	.34636E-04
CLSLY SP MODES	.19226E-02	.27039E-02	.19574E-02	.37001E-04	.98710E-05	.98710E-05	.35289E-04

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1	-.69913E-04	.20245E-04	.27794E-04	-.14113E-05	-.37509E-05	.25823E-05
2	-.66685E-05	.10897E-05	-.52149E-05	-.98588E-07	-.22832E-06	-.16318E-06
3	.12165E-03	-.12043E-02	-.15135E-03	.36089E-04	-.43976E-05	-.21971E-04
4	.54021E-05	-.19293E-04	-.11004E-04	.60744E-06	-.18466E-06	.98576E-06
5	-.16459E-06	-.55138E-07	-.72687E-07	.10762E-08	.52382E-08	-.11067E-08
6	.28578E-03	-.17455E-03	-.75593E-04	-.71115E-05	.52947E-05	.45153E-05
7	.39358E-05	-.14710E-05	-.12354E-04	-.76274E-07	.27774E-06	.95518E-08
8	.46663E-07	.87994E-08	-.25054E-06	-.37978E-09	.82542E-09	-.58846E-09
9	-.52654E-03	-.10492E-03	.15884E-03	-.18441E-06	.15725E-05	.45137E-05
10	.10289E-04	-.31712E-05	-.19974E-04	-.23430E-06	.27410E-06	-.55409E-07
11	.94531E-04	.10962E-02	-.32987E-03	.71963E-05	-.48358E-07	-.29631E-07
12	.38066E-04	.12789E-03	.06031E-04	.19331E-05	-.12256E-05	-.57792E-06
13	.86788E-05	-.19291E-04	.15239E-04	-.41700E-07	-.12971E-06	-.71149E-07
14	-.22233E-05	-.55059E-06	-.96868E-05	-.97115E-07	.65323E-07	.30623E-07
15	.30901E-04	.55416E-05	.05233E-04	.54972E-06	.16113E-06	.21230E-06
16	.04054E-04	-.15640E-05	.12194E-04	.15767E-08	.89514E-06	.11309E-05
17	-.26917E-04	-.18105E-04	-.10120E-03	-.49343E-06	-.13001E-06	.37919E-06
18	-.52824E-04	-.65583E-04	-.27610E-03	-.28243E-06	-.11122E-05	.91246E-06
19	.21002E-04	.30525E-04	.11856E-03	.54051E-07	.51818E-06	-.36197E-06
20	.04599E-05	.13065E-04	.15198E-04	-.58472E-06	.98006E-07	-.72765E-07
21	-.45863E-04	.9373E-04	.90378E-04	-.28547E-07	.14163E-05	.47000E-07
22	.56531E-04	-.58614E-04	-.13112E-04	.14761E-05	-.85981E-06	-.22748E-06
23	-.10458E-04	.63134E-05	-.30657E-04	-.38613E-06	-.28726E-06	.63811E-07
24	-.88284E-05	.13152E-05	.22263E-05	-.16314E-07	.57829E-07	-.34842E-07
25	.41706E-05	.19140E-06	-.10026E-05	-.67058E-08	-.71007E-08	.19730E-07
26	.13358E-04	.57822E-05	-.41294E-04	-.36274E-07	-.62324E-06	.29342E-06
27	-.27444E-05	.68472E-06	-.29878E-05	-.48169E-08	-.32117E-07	-.50792E-07
28	-.98277E-06	.12495E-05	-.63414E-05	.69033E-07	-.10309E-06	.89089E-09
29	.20536E-05	-.35138E-05	.13174E-04	-.18353E-06	.13776E-06	.27050E-06
30	.38454E-06	.62529E-06	-.16559E-05	.16024E-07	-.20958E-07	.41688E-07
31	.60985E-06	.23560E-06	.36201E-07	.33313E-07	.97412E-08	-.24736E-07

MAXIMUM VALUE	.52654E-03	.12043E-02	.32987E-03	.36089E-04	.52947E-05	.21971E-04
ABSOLUTE SUM	.15607E-02	.30391E-02	.16740E-02	.59307E-04	.23929E-04	.39651E-04
SORT. SUM OF SC	.64875E-03	.16504E-02	.53407E-03	.37603E-04	.84432E-05	.23111E-04
CLSLY SP MODES	.66966E-03	.17543E-02	.69401E-03	.38613E-04	.89995E-05	.24076E-04

10 10

1	-.61840E-04	.24235E-04	.31706E-04	-.13867E-05	-.37378E-05	.25435E-05
2	.61401E-05	.10895E-05	-.48886E-05	-.97363E-07	.22761E-06	-.16136E-06
3	.11434E-03	-.12039E-02	-.26047E-03	.36083E-04	-.43037E-05	-.21824E-04
4	.83837E-05	-.19296E-04	-.12812E-04	.61113E-06	-.18840E-06	.98661E-06
5	-.16744E-06	-.55144E-07	-.75675E-07	.11016E-08	.52295E-08	-.12391E-08
6	.29913E-03	-.17408E-03	-.53384E-04	-.70983E-05	.52119E-05	.47281E-05
7	.39428E-05	-.14728E-05	-.12065E-04	-.72432E-07	.27630E-06	.97140E-08
8	.44245E-07	.86332E-08	-.24856E-06	-.26733E-09	.83331E-09	-.64409E-09
9	-.51007E-03	-.10475E-03	.15873E-03	-.21973E-06	.15632E-05	.44280E-05
10	.10071E-04	-.31702E-05	-.19179E-04	-.22851E-06	.27294E-06	-.53800E-07
11	.95795E-04	.10962E-02	-.35091E-03	.72297E-05	-.42640E-07	-.48094E-07
12	.36147E-04	.12785E-03	.59798E-04	.19072E-05	-.12205E-05	-.56470E-06
13	.84185E-05	-.19886E-04	.15314E-04	-.44673E-07	-.12890E-06	-.70017E-07
14	-.21797E-05	-.55011E-06	-.94506E-05	-.94087E-07	.65040E-07	.30018E-07
15	.31466E-04	.55345E-05	.63295E-04	.53647E-06	.16490E-06	.21537E-06
16	.08061E-04	-.15726E-05	.12136E-04	.13903E-08	.90464E-06	.11293E-05
17	-.19641E-04	-.18168E-04	-.99316E-04	-.48013E-06	-.12715E-06	.37528E-06
18	-.09688E-04	-.65488E-04	-.27434E-03	-.25903E-06	-.10999E-05	.90937E-06
19	.19758E-04	.30483E-04	.11801E-03	.45253E-07	.51287E-06	-.36073E-06
20	.81499E-05	.13021E-04	.17006E-04	-.57901E-06	.46050E-07	-.77404E-07
21	-.45380E-04	.48031E-04	.90165E-04	-.23423E-07	.14120E-05	.66374E-07
22	.55506E-04	-.58654E-04	-.17763E-04	.14573E-05	-.48990E-06	-.23830E-06
23	-.10223E-04	.63041E-05	-.29511E-04	-.38607E-06	-.28511E-06	.63637E-07
24	-.89005E-05	.13258E-05	.22704E-05	-.15673E-07	.58248E-07	-.32114E-07
25	.42235E-05	.19135E-06	-.97774E-06	-.67693E-08	.74239E-08	.18947E-07
26	.14289E-04	.57524E-05	-.41038E-04	-.45053E-07	-.62165E-06	.28613E-06
27	-.29014E-05	.68561E-06	-.29614E-05	-.54652E-08	-.31542E-07	-.49431E-07
28	-.98022E-06	.12471E-05	-.05430E-05	.66143E-07	-.10246E-06	.82940E-09
29	.29416E-05	-.35094E-05	.13721E-04	-.17557E-06	.13555E-06	.26577E-06
30	.53344E-06	.63152E-06	-.17056E-05	.15815E-07	-.25112E-07	.41852E-07
31	.52378E-06	.23356E-06	-.73317E-07	.32585E-07	.98214E-08	-.24675E-07

MAXIMUM VALUE	.51007E-03	.12039E-02	.35091E-03	.36089E-04	.52119E-05	.21820E-04
ABSOLUTE SUM	.14798E-02	.30374E-02	.17796E-02	.59213E-04	.23700E-04	.39601E-04
SORT. SUM OF SC	.62411E-03	.16497E-02	.50257E-03	.37607E-04	.83325E-05	.22990E-04
CLSLY SP MODES	.60561E-03	.17536E-02	.73245E-03	.38613E-04	.88867E-05	.23954E-04



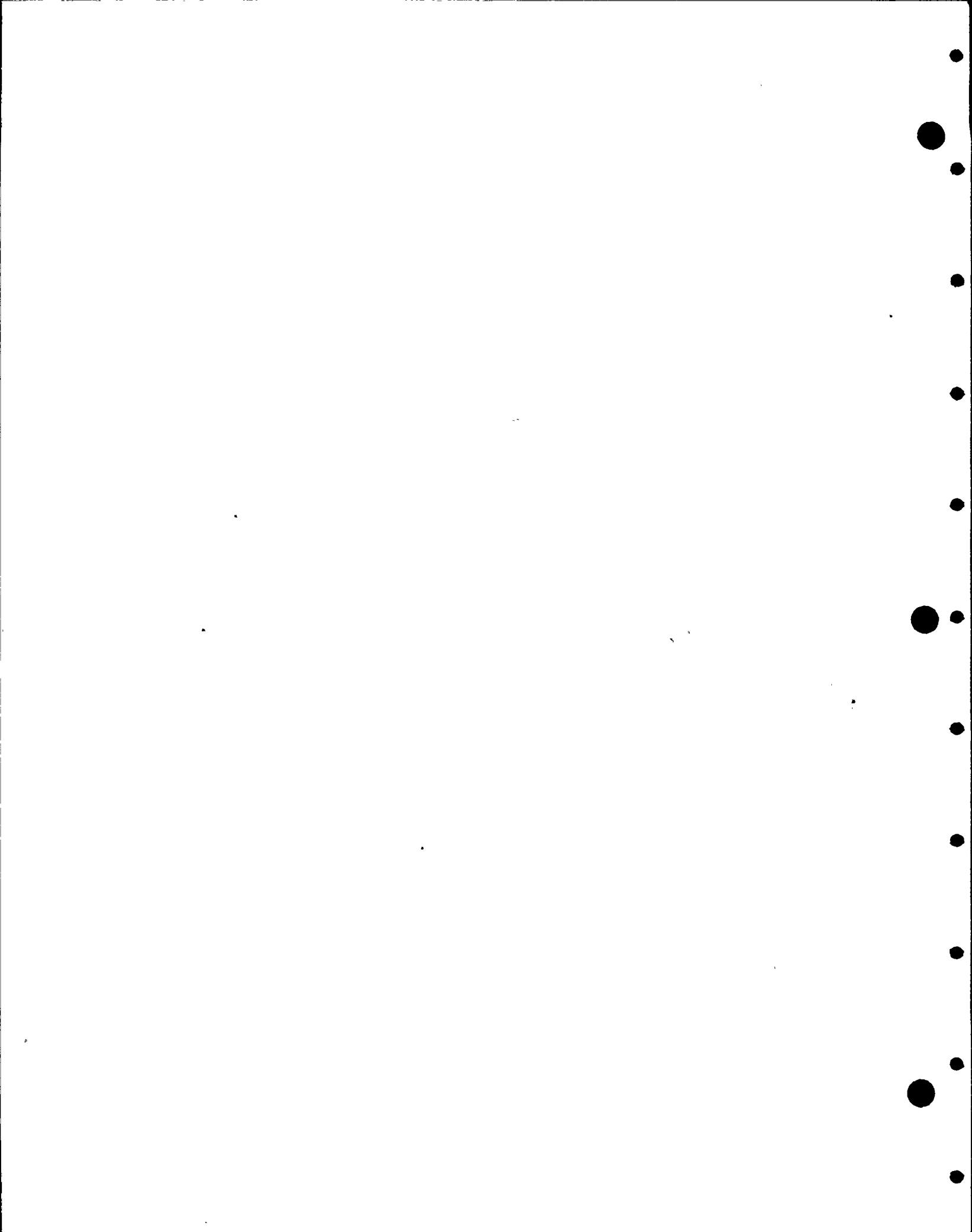
25	.47777E-05	.19177E-06	.47777E-06	.47777E-06	.47777E-06	.47777E-06
26	.1499E-04	.575E-05	.4103E-04	.45053E-07	.62185E-07	.28613E-07
27	.29014E-05	.68561E-06	.27014E-05	.54859E-08	.31542E-07	.49431E-07
28	.98022E-06	.12421E-05	.05043E-05	.6617E-07	.10246E-06	.82940E-09
29	.29416E-05	.35096E-05	.13721E-04	.1755E-06	.13555E-06	.26577E-06
30	.53344E-06	.63152E-06	.17056E-05	.15813E-07	.25112E-07	.41852E-07
31	.52328E-06	.23356E-06	.73317E-07	.32583E-07	.98214E-08	.24675E-07

MAXIMUM VALUE	.51007E-03	.12039E-02	.35091E-03	.36083E-04	.52119E-05	.21820E-04
ABSOLUTE SUM	.14748E-02	.30374E-02	.17796E-02	.59213E-04	.23700E-04	.39601E-04
SGRT, SUM OF SQ	.62411E-03	.16497E-02	.58257E-03	.37607E-04	.63325E-05	.22990E-04
CLS LY SP MODES	.60561E-03	.17536E-02	.73245E-03	.38613E-04	.88867E-05	.23954E-04

9	9	1	.44806E-04	.24065E-04	.89060E-04	-.10114E-05	-.35248E-05	.19269E-05
		2	-.86595E-06	.10869E-05	-.72257E-06	-.76645E-07	.21610E-06	-.13018E-06
		3	-.27770E-03	-.11984E-02	-.20039E-02	.34224E-04	-.28019E-05	-.18747E-04
		4	.56432E-04	-.13337E-04	-.43913E-04	.62523E-06	-.24921E-06	.94421E-06
		5	-.24974E-06	-.55255E-07	-.13972E-06	.13613E-08	.50913E-08	-.18366E-08
		6	.61560E-03	-.16666E-03	.28417E-03	-.64845E-05	.38875E-05	.71169E-05
		7	.45166E-05	-.14984E-05	-.10220E-04	-.21291E-07	.25420E-06	.10052E-07
		8	-.87644E-08	.59785E-08	-.28317E-06	.11157E-08	.94951E-09	-.13206E-08
		9	-.33539E-03	-.10198E-03	.18520E-03	-.59242E-06	.14154E-05	.31750E-05
		10	.82312E-05	-.31488E-05	-.31655E-04	-.14712E-06	.25440E-06	-.35519E-07
		11	.87175E-04	.10870E-02	-.71917E-03	.65392E-05	.48752E-07	-.33590E-06
		12	.14514E-04	.12722E-03	-.21604E-04	.14233E-05	-.11389E-05	-.37003E-06
		13	.55813E-05	-.19810E-04	.18889E-04	-.61623E-07	-.11095E-06	-.55296E-07
		14	-.99462E-06	-.54241E-06	-.58578E-05	-.63611E-07	.60617E-07	.21211E-07
		15	.43718E-04	.54207E-05	.43498E-04	.38737E-06	.22517E-06	.17438E-06
		16	.10329E-03	-.17093E-05	.12332E-04	.15404E-07	.10567E-05	.86803E-06
		17	-.32180E-05	-.17902E-04	-.83011E-04	-.41645E-06	-.81533E-07	.29797E-06
		18	-.73024E-05	-.63955E-04	-.27623E-03	-.46317E-06	-.90239E-06	.79413E-06
		19	.29509E-05	.29829E-04	.12156E-03	.16203E-06	.42802E-06	-.31489E-06
		20	.25779E-05	.12320E-04	.43660E-04	-.37308E-06	.64855E-07	-.12781E-06
		21	-.35039E-04	.49520E-04	.92927E-04	.19511E-06	.13549E-05	.35689E-06
		22	.40477E-04	-.59288E-04	-.22238E-04	.89682E-06	-.84644E-06	-.42911E-06
		23	-.74014E-05	.61547E-05	-.12047E-04	-.35302E-06	-.25071E-06	.76163E-07
		24	-.95770E-05	.14952E-05	.28379E-05	.22147E-08	.64946E-07	.32116E-07
		25	.49508E-05	.19058E-06	-.64247E-06	-.89038E-08	-.12468E-07	-.94430E-08
		26	.25832E-04	.52766E-05	-.36308E-04	-.27348E-06	-.50966E-06	.72361E-07
		27	-.44720E-05	.6978E-06	-.24959E-05	-.21867E-07	-.22339E-07	-.92305E-08
		28	-.99616E-06	.11232E-05	-.86624E-05	-.15582E-07	-.92314E-07	.44294E-08
		29	.14292E-04	-.34324E-05	.17571E-04	.21645E-07	.10017E-06	.11510E-06
		30	.27129E-05	.73114E-06	-.22141E-05	-.57899E-08	-.27569E-07	.24581E-07
		31	-.66830E-06	.20086E-06	-.14618E-05	.12754E-07	-.11104E-07	-.16954E-07

MAXIMUM VALUE	.87770E-03	.11984E-02	.20039E-02	.34223E-04	.38875E-05	.18747E-04
ABSOLUTE SUM	.23619E-02	.30101E-02	.42355E-02	.54897E-04	.20120E-04	.36595E-04
SGRT, SUM OF SQ	.11305E-02	.16386E-02	.21859E-02	.35520E-04	.66445E-05	.20470E-04
CLS LY SP MODES	.11888E-02	.17420E-02	.22707E-02	.36423E-04	.72081E-05	.21369E-04

8	8	1	.12284E-03	.23692E-04	.12872E-03	-.65649E-06	-.33198E-05	.13536E-05
		2	-.63605E-05	.10839E-05	.23653E-05	-.56511E-07	.20459E-06	-.98490E-07
		3	-.16926E-02	-.11420E-02	-.35688E-02	.29099E-04	-.13001E-05	-.14638E-04
		4	.99719E-04	-.19351E-04	-.73414E-04	.55622E-06	-.30990E-06	.80338E-06
		5	-.34722E-06	-.55309E-07	-.24836E-06	.13354E-06	.49532E-08	-.19485E-08
		6	.99562E-03	-.15901E-03	.57377E-03	-.52116E-05	.25632E-05	.76166E-05
		7	.49414E-05	-.15218E-05	-.10178E-04	.74817E-08	.23210E-06	.56041E-08
		8	-.85159E-07	.33135E-08	-.36136E-06	.16878E-08	.10657E-08	-.16226E-08
		9	-.20773E-03	-.99613E-04	.21817E-03	-.59883E-06	.12676E-05	.22723E-05
		10	.67526E-05	-.31159E-05	-.52168E-05	-.88688E-07	.23580E-06	-.30099E-07
		11	.63282E-04	.10736E-02	-.99134E-03	.40449E-05	.14015E-06	-.58509E-06
		12	.88719E-06	.12604E-03	-.77356E-04	.86089E-04	-.10573E-05	-.21276E-06
		13	.31476E-05	-.19646E-04	.21559E-04	-.31661E-07	-.10444E-06	-.45914E-07
		14	-.15442E-06	-.53157E-06	-.33288E-05	-.44637E-07	.56188E-07	.13960E-07
		15	.49009E-04	.52672E-05	.26676E-04	.31926E-06	.28545E-06	.19090E-07
		16	.13347E-03	-.16333E-05	.17822E-04	.47222E-07	.12007E-05	.31102E-06
		17	.91341E-05	-.17460E-04	-.60403E-04	-.50483E-06	-.35912E-07	.19643E-06
		18	.27353E-04	-.61730E-04	-.23383E-03	-.12303E-05	-.70489E-06	.56421E-06
		19	-.10771E-04	.28847E-04	.10420E-03	.52658E-06	.34317E-06	-.22356E-06
		20	-.44620E-05	.11468E-04	.53689E-04	-.43009E-07	.33653E-07	-.12939E-06
		21	-.10249E-04	.50307E-04	.72458E-04	.56003E-06	.12972E-05	.52359E-06
		22	.13794E-04	-.59035E-04	-.10551E-03	.10040E-06	-.83385E-06	-.54682E-06
		23	-.29193E-05	.58627E-05	.46359E-05	-.28353E-06	-.21631E-06	.89643E-07
		24	-.57941E-05	.16322E-05	.20708E-05	.21952E-07	.71645E-07	.93025E-07
		25	.33478E-05	.18507E-06	-.11617E-06	-.10063E-07	-.17511E-07	-.47228E-07
		26	.21432E-04	.46501E-05	-.14525E-04	-.46509E-06	-.57147E-06	-.17273E-06
		27	-.38221E-05	.69400E-06	-.83574E-06	-.34503E-07	-.13135E-07	.35896E-07
		28	-.56810E-06	.96742E-06	-.50120E-05	-.92301E-07	-.82169E-07	.99021E-08



18	-.2753E-04	-.6177E-04	-.2338E-03	-.12303E-05	-.70489E-06	-.56421E-06
19	-.10791E-04	-.28847E-04	-.10420E-03	-.52653E-06	-.34317E-06	-.22356E-06
20	-.44820E-05	-.11468E-04	-.53689E-04	-.43009E-07	-.33653E-07	-.12939E-06
21	-.10249E-04	-.50307E-04	-.72458E-04	-.5600E-06	-.12972E-05	-.52359E-06
22	-.13798E-04	-.59035E-04	-.10551E-03	-.1004E-06	-.83385E-06	-.54682E-06
23	-.29193E-05	-.58627E-05	-.46350E-05	-.28353E-06	-.21631E-06	-.89603E-07
24	-.57941E-05	-.16322E-05	-.20708E-05	-.21952E-07	-.71645E-07	-.93025E-07
25	-.33478E-05	-.18507E-05	-.11617E-06	-.10063E-07	-.17511E-07	-.42228E-07
26	-.21432E-04	-.46561E-05	-.14525E-04	-.46507E-06	-.57747E-06	-.17223E-06
27	-.38221E-05	-.69400E-06	-.83579E-06	-.34503E-07	-.13135E-07	-.35896E-07
28	-.56810E-06	-.96792E-06	-.50120E-05	-.92301E-07	-.82169E-07	-.99021E-08
29	-.14219E-04	-.32387E-05	-.11561E-04	-.20723E-06	-.64792E-07	-.68020E-07
30	-.29963E-05	-.80325E-06	-.11393E-05	-.25833E-07	-.30026E-07	-.73816E-08
31	-.11457E-05	-.15950E-06	-.13105E-05	-.89107E-08	-.12367E-07	-.33377E-08

MAXIMUM VALUE	.16926E-02	.11920E-02	.35086E-02	.29093E-04	.33198E-05	.14638E-04
ABSOLUTE SUM	.35190E-02	.29731E-02	.63837E-02	.45741E-04	.16626E-04	.30715E-04
SQRT. SUM OF SC	.19877E-02	.16239E-02	.37702E-02	.29913E-04	.52175E-05	.16777E-04
CLS LY SP MODES	.20771E-02	.17262E-02	.38768E-02	.30627E-04	.57788E-05	.17513E-04

7	7	1	.18778E-03	.23651E-04	.15672E-03	-.20363E-06	-.30298E-05	.63276E-06
		2	-.11444E-04	.10796E-05	.53131E-05	-.29417E-07	.18862E-06	-.53828E-07
		3	-.24525E-02	-.11832E-02	-.51871E-02	.17165E-04	.70357E-06	-.74740E-05
		4	.14424E-03	-.19376E-04	-.10516E-03	.33804E-06	-.39425E-06	.66428E-06
		5	-.46977E-06	-.55384E-07	-.28889E-06	.88022E-09	.47014E-08	-.13954E-08
		6	.14774E-02	-.14840E-03	.44572E-03	-.24964E-05	.72558E-06	.54891E-05
		7	.50191E-05	-.15543E-05	-.11473E-04	.16444E-07	.20149E-06	-.58017E-08
		8	-.19660E-06	-.38421E-09	-.48016E-06	.13168E-08	.12608E-08	-.14269E-08
		9	-.92455E-04	-.94891E-04	.25030E-03	-.14027E-06	.10625E-05	.13478E-05
		10	.48222E-05	-.30704E-05	-.16020E-05	-.31284E-07	.21014E-06	-.32787E-07
		11	.16090E-04	.10551E-02	-.11121E-02	-.13547E-05	.26090E-06	-.73972E-06
		12	-.66777E-05	.12421E-03	-.10710E-03	-.12951E-07	-.94409E-06	-.32982E-07
		13	.53186E-06	-.19417E-04	.21491E-04	.55985E-07	-.88275E-07	-.12391E-07
		14	.44846E-06	-.51653E-06	-.11058E-05	-.25682E-07	.50043E-07	.43483E-08
		15	.11914E-04	.50542E-05	.83082E-05	.23941E-06	.36906E-06	-.26561E-06
		16	.12499E-03	-.20054E-05	.62532E-05	.86344E-07	.14196E-05	-.66256E-06
		17	.16632E-04	-.16847E-04	-.23012E-04	-.57437E-06	.27387E-07	.36160E-08
		18	.50530E-04	-.56642E-04	-.11959E-03	-.21104E-05	-.43080E-06	.25691E-07
		19	-.19955E-04	.27483E-04	.53815E-04	.94337E-06	.22543E-06	-.93862E-08
		20	-.11559E-04	.10286E-04	.41224E-04	.41953E-06	-.96384E-08	-.38975E-07
		21	.25661E-04	.51400E-04	.22610E-04	.81583E-06	.12171E-05	.36422E-06
		22	-.22075E-04	-.58684E-04	-.76614E-04	-.93412E-06	-.81639E-06	-.36240E-06
		23	.27813E-05	.55054E-05	.17726E-04	-.37081E-07	-.18658E-06	.55647E-07
		24	.17832E-05	.18223E-05	.40697E-07	.29354E-07	.80939E-07	.94289E-07
		25	-.31250E-06	.17743E-06	.47766E-06	-.41011E-08	-.24509E-07	-.68961E-07
		26	.23401E-05	.37951E-05	.17847E-04	-.29705E-06	-.54007E-06	-.29777E-06
		27	-.99605E-07	.68597E-06	.14413E-05	-.19223E-07	-.36603E-09	.54728E-07
		28	.14973E-06	.75245E-06	.27294E-05	-.85421E-07	-.68092E-07	.85187E-08
		29	.34395E-05	-.29700E-05	-.61835E-05	.19506E-06	.17504E-07	-.19355E-06
		30	.12657E-05	.90332E-06	.92817E-06	-.19983E-07	-.33435E-07	-.37912E-07
		31	-.75649E-06	.10211E-06	-.53289E-07	-.19374E-07	.14160E-07	.14531E-07

MAXIMUM VALUE	.24525E-02	.11832E-02	.51871E-02	.17165E-04	.30298E-05	.74740E-05
ABSOLUTE SUM	.47263E-02	.29217E-02	.62054E-02	.28704E-04	.13419E-04	.18851E-04
SQRT. SUM OF SC	.28783E-02	.16036E-02	.53847E-02	.17421E-04	.41923E-05	.94815E-05
CLS LY SP MODES	.30040E-02	.17043E-02	.55118E-02	.18216E-04	.47559E-05	.98870E-05

6	6	1	.20770E-03	.23403E-04	.15618E-03	.18968E-06	-.27398E-05	.14772E-07
		2	-.13539E-04	.10747E-05	.63954E-05	-.44094E-08	.17265E-06	-.10737E-07
		3	-.26837E-02	-.11729E-02	-.58345E-02	.15312E-05	.28673E-05	.44927E-06
		4	.16098E-03	-.19375E-04	-.11790E-03	.23512E-07	-.47855E-06	.21265E-07
		5	-.52976E-06	-.55372E-07	-.32367E-06	.79209E-10	.45097E-08	-.24910E-09
		6	.17137E-02	-.13748E-03	.90313E-03	.78149E-06	-.11120E-05	.10260E-05
		7	.41559E-05	-.15836E-05	-.12216E-04	-.18631E-08	.17083E-06	-.19479E-07
		8	-.27210E-06	-.40809E-08	-.53133E-06	-.22590E-10	.14359E-08	-.67450E-09
		9	-.26554E-04	-.90478E-04	.23515E-03	.62183E-06	.85743E-06	.71607E-06
		10	.23646E-05	-.33080E-05	-.91095E-06	.13631E-08	.18441E-06	-.39057E-07
		11	-.33835E-04	.10302E-02	-.80980E-03	-.69395E-05	.34378E-06	-.60229E-06
		12	-.38340E-05	.12196E-03	-.76260E-04	-.77400E-06	-.83086E-06	.88332E-07
		13	-.11572E-05	-.19056E-04	.14059E-04	.15127E-06	-.71610E-07	-.17143E-07
		14	.43455E-06	-.49695E-06	.12294E-06	-.12245E-07	.43898E-07	-.35280E-08
		15	.10002E-04	.47847E-05	-.51461E-05	.14751E-06	.45271E-06	-.48400E-06
		16	.46409E-04	-.21546E-05	-.56130E-06	.97313E-07	.16305E-05	-.14234E-05
		17	.97139E-05	-.15982E-04	.15130E-04	-.47165E-06	.90647E-07	-.17170E-06
		18	.30808E-04	-.54588E-04	.42602E-04	-.21571E-05	-.15084E-06	-.50708E-06
		19	-.12057E-04	.25660E-04	-.19290E-04	.97485E-06	.10770E-06	.20192E-06
		20	-.94244E-05	.89120E-05	-.87192E-06	.64659E-06	-.52930E-07	.91562E-07





10	2716E-05	-3001E-05	-9109E-06	13631E-08	18401E-07	-39057E-07
11	33035E-04	10302E-02	-8008E-03	-69395E-05	30378E-06	-64229E-06
12	38340E-05	12190E-03	-7620E-04	-77460E-06	83006E-06	88332E-07
13	11572E-05	19056E-04	14039E-04	1512E-05	-71610E-07	-17143E-07
14	43455E-06	-49695E-06	1224E-06	-12245E-07	43898E-07	-35280E-08
15	14002E-04	47847E-05	-51461E-05	14751E-06	45271E-06	-48400E-06
16	46409E-04	-21546E-05	-56130E-06	97313E-07	16305E-05	-14234E-05
17	97139E-05	-15982E-04	15136E-04	-47165E-06	90687E-07	-17170E-06
18	30208E-04	-54589E-04	42602E-04	-21571E-05	-15684E-06	-50708E-06
19	12057E-04	25660E-04	-19299E-04	97655E-06	10770E-06	20192E-06
20	-94234E-05	89120E-05	-87192E-06	64659E-06	-57930E-07	91562E-07
21	36087E-04	51384E-04	-33721E-04	62779E-06	11371E-05	-76367E-07
22	-33090E-04	-56795E-04	15386E-04	-13398E-05	-70893E-06	68623E-07
23	42942E-05	49614E-05	95396E-05	21554E-06	-12085E-06	-13966E-07
24	03260E-05	19521E-05	-17066E-05	13110E-07	90233E-07	17250E-07
25	-29419E-05	16307E-06	41244E-06	50151E-08	-31504E-07	-14351E-07
26	-16665E-04	27757E-05	23606E-04	14010E-06	-51588E-06	-14419E-06
27	31740E-05	64816E-06	16237E-05	14063E-07	12403E-07	21318E-07
28	52444E-06	39985E-06	58634E-05	10963E-07	-54016E-07	-36552E-09
29	-10411E-04	-25470E-05	-13314E-04	-27914E-07	-33385E-07	-11373E-06
30	-18362E-05	95169E-06	13957E-05	83804E-08	-36044E-07	-29691E-07
31	69503E-06	38003E-07	11362E-05	-59629E-08	15946E-07	15640E-07

MAXIMUM VALUE	26837E-02	11729E-02	58345E-02	69395E-05	28673E-05	14234E-05
ABSOLUTE SUM	50916E-02	28561E-02	83589E-02	17937E-04	15268E-04	64840E-05
SGRT SUM OF SQ	31963E-02	15780E-02	59686E-02	77904E-05	49002E-05	22070E-05
CLS LY SP MODES	33319E-02	16763E-02	60949E-02	90447E-05	56241E-05	26337E-05

5	5	1	18110E-03	23084E-04	12246E-03	56452E-06	-23741E-05	-57193E-06
		2	-12365E-04	10677E-05	55893E-05	20822E-07	15250E-06	34251E-07
		3	-22440E-02	-11585E-02	-51082E-02	-17915E-04	54954E-05	90866E-05
		4	13911E-03	19345E-04	10230E-03	-37691E-06	-58484E-06	-50277E-06
		5	-48110E-06	-55266E-07	-28317E-06	-10132E-06	43278E-08	13719E-08
		6	15315E-02	12342E-03	67418E-03	41887E-05	-34297E-05	-51445E-05
		7	19161E-05	-16151E-05	-10561E-04	-39153E-07	13215E-06	-30360E-07
		8	-27791E-06	-87325E-06	-44452E-06	-19799E-08	16508E-08	55475E-09
		9	74500E-05	84623E-04	14651E-03	13747E-05	59875E-06	17683E-06
		10	-98853E-06	-29120E-05	-19429E-05	13227E-07	15197E-06	-34892E-07
		11	-73062E-04	99242E-03	-32739E-04	-93691E-05	55372E-06	-20039E-06
		12	70890E-05	11802E-03	13209E-04	-10515E-05	-68805E-06	12783E-06
		13	-17284E-05	-18465E-04	-16402E-05	17721E-06	-50591E-07	29038E-08
		14	-14149E-06	-46766E-06	-54096E-06	73323E-09	36147E-07	-76322E-08
		15	-29101E-04	-43887E-05	-11046E-04	-32803E-08	55819E-06	-39081E-06
		16	-84996E-04	-23171E-05	-74235E-05	41631E-07	18966E-05	-12251E-05
		17	-94520E-05	-14641E-04	39873E-04	-32411E-07	17052E-06	-19675E-06
		18	-26679E-04	-68532E-04	17504E-03	-63803E-09	18678E-06	-58871E-06
		19	10748E-04	22911E-04	-74287E-04	19666E-06	-40791E-07	23191E-06
		20	30489E-05	70049E-05	-49075E-04	26052E-06	-10753E-06	14441E-06
		21	76390E-05	50205E-04	-58116E-04	-15939E-06	10301E-05	-45946E-06
		22	-57156E-05	-53506E-04	10054E-03	-31977E-06	-77690E-06	42723E-06
		23	-11312E-06	41178E-05	-13908E-04	18355E-06	-60647E-07	-60818E-07
		24	26858E-05	20484E-05	-13720E-05	-18373E-07	10196E-06	-78797E-07
		25	-15505E-05	13850E-06	-29065E-06	64725E-08	-40334E-07	36914E-07
		26	-13052E-04	13688E-05	-67182E-05	33744E-06	-47704E-06	20346E-06
		27	19889E-05	57109E-06	-80665E-06	23865E-07	28509E-07	-40273E-07
		28	71704E-08	15543E-06	-20056E-06	80347E-07	-36262E-07	-73778E-08
		29	-90499E-05	-18751E-05	90044E-06	-18300E-06	-95298E-07	13594E-06
		30	-21873E-05	95565E-06	-54501E-06	19491E-07	-61144E-07	24620E-07
		31	11111E-05	-45462E-07	42885E-06	15678E-07	18191E-07	-10151E-07

MAXIMUM VALUE	22440E-02	11585E-02	51082E-02	17918E-04	54954E-05	90866E-05
ABSOLUTE SUM	44103E-02	27588E-02	67707E-02	37360E-04	19929E-04	20186E-04
SGRT SUM OF SQ	27291E-02	15405E-02	51626E-02	20721E-04	74207E-05	10596E-04
CLS LY SP MODES	26436E-02	16349E-02	57707E-02	21540E-04	82190E-05	11132E-04

4	4	1	11545E-03	22758E-04	63813E-04	77314E-06	-20083E-05	-90028E-06
		2	-60451E-05	10598E-05	30502E-05	35743E-07	13236E-06	61716E-07
		3	-12162E-02	-11425E-02	-29069E-02	-31801E-04	81235E-05	13706E-04
		4	79640E-04	-19284E-04	-56390E-04	-65540E-06	-69117E-06	-81627E-06
		5	-30602E-06	-55059E-07	-15786E-06	-18081E-08	40860E-08	25386E-08
		6	88077E-03	-10907E-03	23086E-03	54768E-05	-57473E-05	-92020E-05
		7	-75262E-06	-16427E-05	-57390E-05	-69633E-07	93470E-07	-28307E-07
		8	-18292E-06	-13358E-07	-20946E-06	-32127E-08	18776E-08	15132E-08
		9	71330E-05	-78466E-04	14213E-04	14344E-05	34007E-06	-94309E-07
		10	-32640E-05	-27974E-05	-27378E-05	-86497E-09	11952E-06	-15013E-07
		11	-66278E-04	94786E-03	64920E-03	-46153E-05	71367E-06	32388E-06
		12	15940E-04	11317E-03	86926E-04	-42185E-06	-54523E-06	53001E-07



2	-.651E-05	.1050E-05	.3050E-05	.35748E-07	.13236E-07	.61716E-07
3	-.12162E-02	-.11425E-02	-.29066E-02	-.31801E-04	.81235E-05	.13706E-04
4	.79640E-04	-.19284E-04	-.56390E-04	-.65540E-06	-.69117E-06	-.81677E-06
5	-.30602E-06	-.55059E-07	-.15786E-06	-.1808E-08	.40860E-08	.25386E-08
6	.88077E-03	-.10907E-03	.23086E-03	.5476E-05	-.57473E-05	-.92020E-05
7	-.75262E-06	-.16427E-05	-.57390E-05	-.69633E-07	.93470E-07	-.28307E-07
8	-.18292E-06	-.13358E-07	-.20946E-06	-.32127E-08	.18776E-08	.15132E-08
9	.71330E-05	-.78466E-04	.14213E-04	.14344E-05	.34007E-06	-.94309E-07
10	-.32640E-05	-.27974E-05	-.27378E-05	-.86494E-09	.11952E-06	-.15013E-07
11	-.66278E-04	.94786E-03	.64920E-03	-.46153E-05	.71367E-06	.32388E-06
12	.15944E-04	.11317E-03	.86926E-04	-.42185E-06	-.54523E-06	.53001E-07
13	-.77944E-06	-.17726E-04	-.13707E-04	.68101E-07	-.29573E-07	.15538E-07
14	-.73887E-06	-.43357E-06	.10395E-06	.66928E-08	.28397E-07	-.44075E-08
15	-.46920E-04	.39355E-05	-.52058E-05	-.11293E-06	.66367E-06	.20869E-07
16	-.14399E-03	-.24487E-05	-.70545E-05	-.49650E-07	.21626E-05	.11939E-07
17	-.20271E-04	-.13045E-04	.20761E-04	.39472E-06	.25036E-06	-.15082E-07
18	-.58570E-04	-.41543E-04	.11031E-03	.16771E-05	.53440E-06	-.28755E-07
19	.23122E-04	.19715E-04	-.49620E-04	-.76262E-06	-.18928E-06	.71362E-08
20	.12414E-04	.49455E-05	-.39855E-04	-.44702E-06	-.16213E-06	.34419E-07
21	-.37220E-04	.47762E-04	-.10374E-04	-.71635E-06	.93507E-06	-.28474E-06
22	.30632E-04	-.48593E-04	.62267E-04	.11610E-05	-.75488E-06	.24344E-06
23	-.45618E-05	.31284E-05	-.16818E-04	-.15019E-06	-.44711E-09	-.15970E-07
24	-.51505E-05	.20657E-05	.94565E-06	-.20591E-07	.11308E-06	-.56202E-07
25	.23777E-05	.10781E-06	-.50151E-06	-.37529E-08	-.49160E-07	.26776E-07
26	.12559E-04	-.10488E-06	-.23776E-04	-.92185E-07	-.43620E-06	.21720E-06
27	-.25745E-05	.46307E-06	-.17100E-05	-.11863E-07	.44014E-07	-.33379E-07
28	-.50255E-06	-.19795E-06	-.52654E-05	-.98673E-08	-.18508E-07	-.79374E-10
29	.87430E-05	-.10894E-05	.11894E-04	.34843E-07	-.15721E-06	.13746E-06
30	.16369E-05	.89579E-06	-.12500E-05	-.11757E-07	-.45443E-07	.32402E-07
31	-.71170E-06	-.12544E-06	-.97757E-06	.22833E-08	.20435E-07	-.15884E-07

MAXIMUM VALUE	.12162E-02	.11425E-02	.29066E-02	.31801E-04	.81235E-05	.13706E-04
ABSOLUTE SUM	.28024E-02	.26470E-02	.44026E-02	.51025E-04	.25119E-04	.26408E-04
SGRT,SUM OF SQ	.15196E-02	.14976E-02	.29937E-02	.32735E-04	.10569E-04	.16563E-04
CLS LY SP MODES	.15903E-02	.15872E-02	.30714E-02	.33539E-04	.11412E-04	.17248E-04

3	3	1	.78086E-04	.22601E-04	.32245E-04	.80515E-06	-.18385E-05	-.95152E-06
		2	-.54359E-05	.10555E-05	.15498E-05	.38225E-07	.12301E-06	.66257E-07
		3	-.65081E-03	-.11538E-02	-.15555E-02	-.34800E-04	.93437E-05	.13828E-04
		4	.45521E-04	-.19229E-04	-.26630E-04	-.70662E-06	-.78053E-06	-.83970E-06
		5	-.19742E-06	-.50879E-07	-.80908E-07	-.19623E-08	.39737E-08	.27215E-08
		6	.49039E-03	-.10219E-03	.12209E-04	.50542E-05	-.68234E-05	-.95538E-05
		7	-.17896E-05	-.10516E-05	-.27622E-05	-.74933E-07	.75512E-07	-.22559E-07
		8	-.11565E-06	-.15472E-07	-.75107E-07	-.32631E-08	.19802E-08	.16696E-08
		9	.17405E-05	-.75370E-04	-.39781E-04	.11471E-05	.21997E-06	-.12154E-06
		10	-.35818E-05	-.27290E-05	-.28642E-05	-.11834E-07	.10440E-06	-.45302E-08
		11	-.48147E-04	.92160E-03	.75545E-03	-.70190E-06	.78793E-06	.45613E-06
		12	.16775E-04	.11019E-03	.93594E-04	.61093E-07	-.47893E-06	.57614E-08
		13	-.81270E-07	-.17264E-04	-.17742E-04	-.97090E-08	-.19814E-07	.16075E-07
		14	-.84411E-06	-.41398E-06	-.18708E-06	.61613E-08	.24798E-07	-.17911E-08
		15	-.40445E-03	.36817E-05	.04655E-07	-.11927E-06	.71264E-06	.17437E-06
		16	-.12608E-03	-.24624E-05	-.40756E-05	-.76571E-07	.22861E-05	.49094E-06
		17	-.17967E-04	-.12111E-04	.14638E-05	.43936E-06	.28743E-06	.62572E-07
		18	-.50663E-04	-.37623E-04	.23401E-04	.20126E-05	.69487E-06	.20574E-06
		19	.19799E-04	.17904E-04	-.10020E-04	-.91529E-06	-.25823E-06	-.85719E-07
		20	.11726E-04	.38983E-05	-.14202E-04	-.60837E-06	-.18749E-06	-.21207E-07
		21	-.37996E-04	.45613E-04	.20906E-04	-.66000E-06	.88817E-06	-.11383E-06
		22	.34795E-04	-.45220E-04	.15385E-05	.13679E-05	-.74465E-06	.79622E-07
		23	-.41362E-05	.25759E-05	-.62193E-05	-.24922E-06	.27503E-07	.10485E-07
		24	-.62072E-05	.20060E-05	.15379E-05	-.10220E-07	.11912E-06	-.22266E-07
		25	.29279E-05	.89543E-07	-.19137E-06	-.72609E-08	-.53258E-07	.11651E-07
		26	.18018E-04	-.78475E-06	-.12108E-04	-.28132E-06	-.42017E-06	.11951E-06
		27	-.31929E-05	.39595E-06	-.03358E-06	-.25624E-07	.52092E-07	-.13582E-07
		28	-.32918E-06	-.35238E-06	-.28475E-05	-.57440E-07	-.10265E-07	.37478E-08
		29	.11523E-04	-.66915E-06	.58401E-05	.14373E-06	-.18596E-06	.62282E-07
		30	.24086E-05	.81743E-06	-.22981E-06	-.22825E-07	-.47440E-07	.17298E-07
		31	-.10990E-05	-.15444E-06	-.62915E-06	-.86411E-08	.21478E-07	-.87453E-08

MAXIMUM VALUE	.65081E-03	.11338E-02	.15555E-02	.34800E-04	.93437E-05	.13828E-04
ABSOLUTE SUM	.17328E-02	.25845E-02	.26452E-02	.50427E-04	.27583E-04	.27376E-04
SGRT,SUM OF SQ	.83606E-03	.14732E-02	.17335E-02	.35320E-04	.12112E-04	.16873E-04
CLS LY SP MODES	.86839E-03	.15598E-02	.18008E-02	.36149E-04	.12978E-04	.17568E-04

2	2	1	.35325E-07	.27235E-07	.38084E-08	.34045E-06	-.66071E-08	-.27089E-08
		2	-.31199E-06	.78263E-09	.27880E-09	.15008E-09	.45621E-09	.25025E-09
		3	-.73077E-08	-.15043E-05	-.25399E-06	-.17720E-06	.29940E-07	.10328E-06
		4	.47303E-07	-.10405E-07	-.57839E-08	-.26601E-08	-.26061E-08	-.60030E-08







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28  
29  
30  
31

0.	0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE 0.  
ABSOLUTE SUM 0.  
SGRT, SUM OF SG 0.  
CLS, Y SP MODES 0.

0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.





# RESPONSE SPECTRUM STRESS COMPONENTS

SQUARE ROOT OF THE SUM OF THE SQUARES OF THE MODAL STRESSES  
(FOR ALL ELEMENTS)

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 1 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.5034E+03 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.5289E+03 0.

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 2 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.6241E+03 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.6456E+03 0.

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 3 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.5820E+03 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.7325E+03 0.

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 4 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.2074E+03 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.3217E+03 0.

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 5 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.1263E+04 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.1371E+04 0.

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 6 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.2800E+03 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.2995E+03 0.



ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 6 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.2800E+03 0.  
CLOSELY SPACED PCDE SUMMATION METHOD  
.2945E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 7 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.4277E+03 0.  
CLOSELY SPACED PCDE SUMMATION METHOD  
.4520E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 8 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.2055E+04 0.  
CLOSELY SPACED PCDE SUMMATION METHOD  
.2167E+04 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 9 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.4187E+03 0.  
CLOSELY SPACED PCDE SUMMATION METHOD  
.4352E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 10 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.2964E+04 0.  
CLOSELY SPACED PCDE SUMMATION METHOD  
.3057E+04 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 11 )

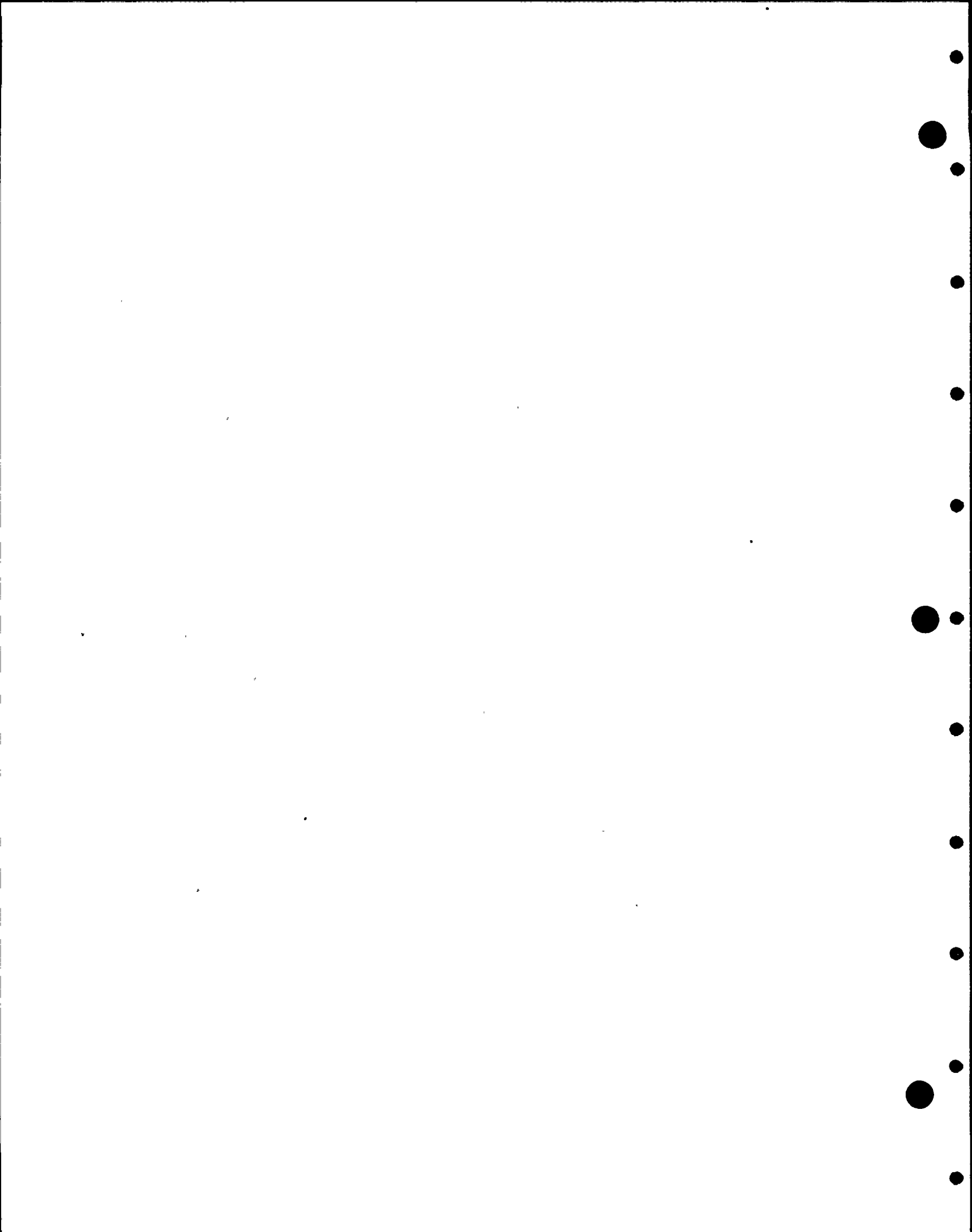
BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.5276E+03 0.  
CLOSELY SPACED PCDE SUMMATION METHOD  
.7186E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 12 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.1268E+04 0.  
CLOSELY SPACED PCDE SUMMATION METHOD  
.1273E+04 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 13 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES



SQUARE ROOT SUM OF THE SQUARES  
.1248E+04 0.  
CLOSELY SPACED PCDE SUMMATION METHOD  
.73E+04 0.

ELEMENT TYPE (B G U N D A R Y ) / / / ELEMENT NUMBER ( 13 )

BDRY-F BDRY-P  
SQUARE ROOT SUM OF THE SQUARES  
.2201E+03 0.  
CLOSELY SPACED PCDE SUMMATION METHOD  
.2912E+03 0.

ELEMENT TYPE (B G U N D A R Y ) / / / ELEMENT NUMBER ( 14 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
0. .9553E+05  
CLOSELY SPACED PCDE SUMMATION METHOD  
0. .9567E+05

ELEMENT TYPE (B G U N D A R Y ) / / / ELEMENT NUMBER ( 15 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
0. .2495E+05  
CLOSELY SPACED PCDE SUMMATION METHOD  
0. .2538E+05

ELEMENT TYPE (B G U N D A R Y ) / / / ELEMENT NUMBER ( 16 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
0. .1163E+06  
CLOSELY SPACED PCDE SUMMATION METHOD  
0. .117CE+06

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 1 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.7387E+01	.9400E+01	.1170E+02	.4296E+03	-.1369E+04	.7076E+03	-.7387E+01	.9400E+01	.1170E+02	.4296E+03	-.1355E+04	.6963E+03
-.5407E+00	.2584E+00	-.1062E+01	-.3969E+02	.9470E+02	.3110E+02	-.5407E+00	.2584E+00	-.1062E+01	-.3969E+02	.9342E+02	.3079E+02
.4926E+03	-.5216E+03	-.2660E+03	-.1638E+05	.6333E+04	-.3685E+05	.4926E+03	-.5216E+03	-.2660E+03	-.1638E+05	.6014E+04	-.3622E+05
.1122E+02	-.3287E+01	.1707E+02	.9521E+03	-.5476E+03	-.5504E+03	.1122E+02	-.3287E+01	.1707E+02	.9521E+03	-.5271E+03	-.5465E+03
.3211E-01	-.1079E-01	-.5625E-01	-.2468E+01	.3147E+01	-.1594E+01	.3211E-01	-.1079E-01	-.5625E-01	-.2468E+01	.3079E+01	-.1581E+01
-.1242E+03	-.4107E+03	.2302E+03	.1261E+05	-.5383E+04	-.2284E+04	-.1242E+03	-.4107E+03	.2302E+03	.1261E+05	-.5107E+04	-.7791E+04
.1472E+01	.5302E+00	.4213E+00	.6364E+02	.6817E+02	-.3680E+02	.1472E+01	.5302E+00	.4213E+00	.6364E+02	.6868E+02	-.3744E+02
.7542E-01	.1261E+00	-.4860E-01	-.2142E+01	.1745E+01	.1283E+01	.7542E-01	.1261E+00	-.4860E-01	-.2142E+01	.1687E+01	.1132E+01
-.3415E+02	-.1847E+03	.1105E+02	.5602E+03	.7543E+02	-.4509E+04	-.3415E+02	-.1847E+03	.1105E+02	.5402E+03	.8869E+02	-.4267E+04
.1492E+00	-.4079E+01	-.5903E+00	.2843E+02	.1008E+03	-.1265E+03	.1492E+00	-.4079E+01	-.5903E+00	.2843E+02	.1001E+03	-.1236E+03
.2397E+02	.1567E+04	-.2728E+02	-.9208E+03	.8981E+03	.4604E+05	.2397E+02	.1567E+04	-.2728E+02	-.9208E+03	.8654E+03	.4416E+05
-.3387E+01	.1782E+03	.2939E+01	-.1101E+03	-.4593E+03	.5389E+04	-.3387E+01	.1782E+03	.2939E+01	-.1101E+03	-.4558E+03	.5175E+04
.9467E+00	-.2757E+02	-.7633E+00	-.4583E+02	-.1236E+02	-.8406E+03	.9467E+00	-.2757E+02	-.7633E+00	-.4583E+02	-.1327E+02	-.8075E+03
-.3370E+00	-.1169E+01	-.1460E+00	.7182E+01	.2431E+02	-.2633E+02	-.3370E+00	-.1169E+01	-.1460E+00	.7182E+01	.2413E+02	-.2493E+02
.6037E+01	.1515E+02	-.2497E+02	-.6366E+03	.9145E+03	.2926E+03	.6037E+01	.1515E+02	-.2497E+02	-.6366E+03	.8846E+03	.2744E+03
.4834E+01	.2007E+01	-.7576E+02	-.1848E+04	.2298E+04	-.4831E+02	.4834E+01	.2007E+01	-.7576E+02	-.1848E+04	.2807E+04	-.5071E+02
-.2433E+02	-.5571E+02	-.1267E+02	-.3374E+03	.4137E+03	-.1030E+04	-.2433E+02	-.5571E+02	-.1267E+02	-.3374E+03	.3982E+03	-.9631E+03
-.1398E+03	-.2340E+03	-.4143E+02	-.1185E+04	.1131E+04	-.3922E+04	-.1398E+03	-.2340E+03	-.4143E+02	-.1185E+04	.1081E+04	-.3641E+04
.6384E+02	.1079E+03	.1673E+02	.4898E+03	-.4363E+03	.1825E+04	.6384E+02	.1079E+03	.1673E+02	.4898E+03	-.4162E+03	.1646E+04
.4724E+02	.6249E+02	.8834E+01	.2169E+03	-.2844E+03	.8589E+03	.4724E+02	.6249E+02	.8834E+01	.2169E+03	-.4273E+03	.7839E+03
.4148E+02	.1283E+03	-.1865E+02	-.1189E+03	.1091E+04	.2093E+04	.4148E+02	.1283E+03	-.1865E+02	-.1189E+03	.1068E+04	.2739E+04
-.1066E+03	-.2013E+03	.1996E+02	.2482E+03	-.9721E+03	-.3736E+04	-.1066E+03	-.2013E+03	.1996E+02	.2482E+03	-.9482E+03	-.3494E+04
.2625E+02	.3299E+02	-.3973E+01	-.1530E+03	.9338E+02	.4594E+03	.2625E+02	.3299E+02	-.3973E+01	-.1530E+03	.8741E+02	.4148E+03
-.7982E-01	.3538E+01	-.4421E+01	-.6981E+02	.1777E+03	.1028E+03	-.7982E-01	.3538E+01	-.4421E+01	-.6981E+02	.1724E+03	.9858E+02
.8997E+00	.1090E+01	.2261E+01	.3844E+02	-.8445E+02	.1518E+02	.8997E+00	.1090E+01	.2261E+01	.3844E+02	-.8173E+02	.1307E+02
.4095E+02	.4057E+02	.1033E+02	.4670E+02	-.5053E+03	.4332E+03	.4095E+02	.4057E+02	.1033E+02	.4670E+02	-.5529E+03	.3845E+03
.3136E+01	.4125E+01	-.2778E+01	-.5357E+02	.9184E+02	.5892E+02	.3136E+01	.4125E+01	-.2778E+01	-.5357E+02	.8851E+02	.5347E+02



PX(J)	VY(J)	VZ(J)	TX(J)	TY(J)	TZ(J)
.9400E+01	.7387E+01	.1170E+02	-.8227E+03	.0691E+02	-.5906E+02
.2584E+00	.5907E+01	-.1062E+01	.4564E+02	-.8096E+01	-.5173E+01
-.5216E+03	-.4926E+03	-.2600E+03	-.5955E+04	.0412E+04	.9417E+04
-.3287E+01	-.1122E+02	.1707E+02	.2409E+03	.1841E+03	.1602E+03
-.1079E-01	-.3211E-01	-.5625E-01	.5408E+00	-.6312E-01	.3499E+00
.4107E+03	.1242E+03	.2302E+03	.5251E+04	-.2257E+04	.5104E+04
-.5102E+00	-.1472E+01	.4213E+00	.8763E+02	-.4468E+02	.3947E+01





ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 2 )

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.000E+01	.7387E+01	.1170E+02	-.8287E+03	.9691E+02	-.5906E+02
.2584E+00	.5407E+00	-.1062E+01	.4564E+02	-.8096E+01	-.5173E+01
-.5216E+03	-.4926E+03	-.2660E+03	-.5955E+04	.4412E+04	.9417E+04
-.3287E+01	-.1122E+02	.1707E+02	.2409E+03	-.1841E+03	.1062E+03
-.1079E+01	-.3211E+01	-.5625E+01	.5480E+00	-.6312E+01	.3499E+00
-.4107E+03	.1242E+03	.2302E+03	.5251E+04	-.2257E+04	.5104E+04
.5302E+00	-.1472E+01	.4213E+00	.8763E+02	-.4468E+02	.4947E+01
.1261E+00	-.7542E+01	-.4860E+01	-.5604E+00	-.4395E+01	-.1151E+01
-.1847E+03	.3415E+02	.1105E+02	.5861E+03	-.4279E+02	.2489E+04
-.4079E+01	-.1492E+00	-.5903E+00	.7351E+02	-.5499E+02	.6686E+02
.1567E+04	-.2397E+02	-.2728E+02	-.3624E+03	-.3070E+03	-.2529E+05
.1782E+03	.3387E+01	.2939E+01	-.3236E+03	.2424E+03	-.2998E+04
-.2757E+02	-.9467E+00	-.7633E+00	-.4762E+02	.1148E+02	.4757E+03
-.1169E+01	.3770E+00	-.1360E+00	.1756E+02	-.1375E+02	.1072E+02
.1515E+02	-.6937E+01	-.2497E+02	-.2390E+03	-.4870E+03	-.9505E+02
.2007E+01	-.4834E+01	-.7576E+02	-.6028E+03	-.1561E+04	.7652E+02
-.5571E+02	.2833E+02	-.1287E+02	-.1809E+03	-.2417E+03	.2692E+03
-.2340E+03	.1398E+03	-.4143E+02	-.7831E+03	-.6797E+03	.5971E+03
.1079E+03	-.6384E+02	.1673E+02	.3364E+03	.2629E+03	-.2891E+03
.6249E+02	-.4724E+02	.8834E+01	.1237E+03	.1806E+03	.9744E+02
.1283E+03	-.4148E+02	-.1845E+02	.2288E+03	-.7205E+03	-.1166E+04
-.2013E+03	.1066E+03	.1996E+02	-.4990E+02	.6501E+03	.7665E+03
.3299E+02	-.2625E+02	-.4973E+01	-.1364E+03	-.7385E+02	.1165E+03
.3538E+01	.7982E+01	-.4421E+01	-.2656E+02	-.1201E+03	-.6424E+02
.1090E+01	-.8907E+00	.2261E+01	.2000E+02	.6329E+02	.4886E+01
.4057E+02	-.4095E+02	.1033E+02	-.8800E+02	.4182E+03	.4014E+03
.4125E+01	-.3336E+01	-.2778E+01	-.3649E+02	-.7143E+02	.1845E+02
.9216E+01	-.9857E+01	-.9521E+00	-.4023E+02	-.5682E+01	.1096E+03
-.2509E+02	.2402E+02	.1042E+02	.1403E+03	.2738E+03	-.2224E+03
.4676E+01	-.3230E+01	.1845E+01	.9742E+01	.5985E+02	.7223E+01
.1731E+01	-.2096E+01	-.8686E+00	-.5086E+01	-.2835E+02	.2843E+02

SQUARE ROOT SUM OF THE SQUARES

.1760E+04	.5504E+03	.3669E+03	.8104E+04	.5412E+04	.2780E+05
CLOSELY SPACED COEF SUMMATION METHOD					
.1960E+04	.6002E+03	.3898E+03	.8431E+04	.5915E+04	.3059E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 3 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.9400E+01	.7387E+01	.1170E+02	-.8287E+03	.9691E+02	-.5906E+02	.9400E+01	.7387E+01	.1170E+02	-.8287E+03	.5532E+03	-.3471E+03
.2584E+00	.5407E+00	-.1062E+01	.4564E+02	-.8096E+01	-.5173E+01	.2584E+00	.5407E+00	-.1062E+01	.4564E+02	-.4951E+02	-.2626E+02
-.5216E+03	-.4926E+03	-.2660E+03	-.5955E+04	.4412E+04	.9417E+04	-.5216E+03	-.4926E+03	-.2660E+03	-.5955E+04	-.5961E+04	.2863E+05
-.3287E+01	-.1122E+02	.1707E+02	.2409E+03	-.1841E+03	.1062E+03	-.3287E+01	-.1122E+02	.1707E+02	.2409E+03	.4815E+03	.5437E+03
-.1079E+01	-.3211E+01	-.5625E+01	.5480E+00	-.6312E+01	.3499E+00	-.1079E+01	-.3211E+01	-.5625E+01	.5480E+00	-.2257E+01	.1602E+01
-.4107E+03	.1242E+03	.2302E+03	.5251E+04	-.2257E+04	.5104E+04	-.4107E+03	.1242E+03	.2302E+03	.5251E+04	.6720E+04	.2601E+03
.5302E+00	-.1472E+01	.4213E+00	.8763E+02	-.4468E+02	.4947E+01	.5302E+00	-.1472E+01	.4213E+00	.8763E+02	-.2825E+02	.6238E+02
.1261E+00	-.7542E+01	-.4860E+01	-.5604E+00	-.4395E+01	-.1151E+01	.1261E+00	-.7542E+01	-.4860E+01	-.5604E+00	-.1940E+01	.1790E+01
-.1847E+03	.3415E+02	.1105E+02	.5861E+03	-.4279E+02	.2489E+04	-.1847E+03	.3415E+02	.1105E+02	.5861E+03	.3883E+03	.1157E+04
-.4079E+01	-.1492E+00	-.5903E+00	.7351E+02	-.5499E+02	.6686E+02	-.4079E+01	-.1492E+00	-.5903E+00	.7351E+02	-.7801E+02	.7250E+02
.1567E+04	-.2397E+02	-.2728E+02	-.3624E+03	-.3070E+03	-.2529E+05	.1567E+04	-.2397E+02	-.2728E+02	-.3624E+03	-.1371E+04	-.2436E+05
.1782E+03	.3387E+01	.2939E+01	-.3236E+03	.2424E+03	-.2998E+04	.1782E+03	.3387E+01	.2939E+01	-.3236E+03	.3570E+03	-.3130E+04
-.2757E+02	-.9467E+00	-.7633E+00	-.4762E+02	.1148E+02	.4757E+03	-.2757E+02	-.9467E+00	-.7633E+00	-.4762E+02	-.1829E+02	.5127E+03
-.1169E+01	.3770E+00	-.1360E+00	.1756E+02	-.1375E+02	.1072E+02	-.1169E+01	.3770E+00	-.1360E+00	.1756E+02	-.1945E+02	-.3983E+01
.1515E+02	-.6937E+01	-.2497E+02	-.2390E+03	-.4870E+03	-.9505E+02	.1515E+02	-.6937E+01	-.2497E+02	-.2390E+03	-.1461E+04	.1755E+03
.2007E+01	-.4834E+01	-.7576E+02	-.6028E+03	-.1561E+04	.7652E+02	.2007E+01	-.4834E+01	-.7576E+02	-.6028E+03	-.4516E+04	.2651E+03
-.5571E+02	.2833E+02	-.1287E+02	-.1809E+03	-.2417E+03	.2692E+03	-.5571E+02	.2833E+02	-.1287E+02	-.1809E+03	-.7436E+03	-.8355E+03
-.2340E+03	.1398E+03	-.4143E+02	-.7831E+03	-.6797E+03	.5971E+03	-.2340E+03	.1398E+03	-.4143E+02	-.7831E+03	-.2296E+04	-.4854E+04
.1079E+03	-.6384E+02	.1673E+02	.3364E+03	.2629E+03	-.2891E+03	.1079E+03	-.6384E+02	.1673E+02	.3364E+03	.9152E+03	.2201E+04
.6249E+02	-.4724E+02	.8834E+01	.1237E+03	.1806E+03	.9744E+02	.6249E+02	-.4724E+02	.8834E+01	.1237E+03	.5252E+03	.1940E+04
.1283E+03	-.4148E+02	-.1845E+02	.2288E+03	-.7205E+03	-.1166E+04	.1283E+03	-.4148E+02	-.1845E+02	.2288E+03	-.1448E+04	.4514E+03
-.2013E+03	.1066E+03	.1996E+02	-.4990E+02	.6501E+03	.7665E+03	-.2013E+03	.1066E+03	.1996E+02	-.4990E+02	.1429E+04	-.3391E+04
.3299E+02	-.2625E+02	-.4973E+01	-.1364E+03	-.7385E+02	.1165E+03	.3299E+02	-.2625E+02	-.4973E+01	-.1364E+03	-.2648E+03	.1140E+04
.3538E+01	.7982E+01	-.4421E+01	-.2656E+02	-.1291E+03	-.6424E+02	.3538E+01	.7982E+01	-.4421E+01	-.2656E+02	-.3015E+03	-.6735E+02
.1090E+01	-.8907E+00	.2261E+01	.2000E+02	.6329E+02	.4886E+01	.1090E+01	-.8907E+00	.2261E+01	.2000E+02	.1515E+03	.3962E+02
.4057E+02	-.4095E+02	.1033E+02	-.8800E+02	.4182E+03	.4014E+03	.4057E+02	-.4095E+02	.1033E+02	-.8800E+02	.6212E+03	.1946E+04
.4125E+01	-.3336E+01	-.2778E+01	-.3649E+02	-.7143E+02	.1845E+02	.4125E+01	-.3336E+01	-.2778E+01	-.3649E+02	-.1798E+03	.1485E+03
.9216E+01	-.9857E+01	-.9521E+00	-.4023E+02	-.5682E+01	.1096E+03	.9216E+01	-.9857E+01	-.9521E+00	-.4023E+02	-.4281E+02	.4440E+03
-.2509E+02	.2402E+02	.1042E+02	.1403E+03	.2738E+03	-.2224E+03	-.2509E+02	.2402E+02	.1042E+02	.1403E+03	.6800E+03	-.1159E+04
.4676E+01	-.3230E+01	.1845E+01	.9742E+01	.5985E+02	.7223E+01	.4676E+01	-.3230E+01	.1845E+01	.9742E+01	.1318E+03	.1332E+03



PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.8833E+01	.5290E+01	.8264E+01	-.8287E+03	-.1381E+04	-.8819E+03	.8833E+01	.5290E+01	.8264E+01	-.8287E+03	-.2075E+04	-.1326E+04
-.1940E+00	.3013E+00	-.4816E+00	.4564E+02	-.1123E+03	-.6166E+02	.1940E+00	.3013E+00	-.4816E+00	.4564E+02	-.1527E+03	-.8698E+02
-.3889E+03	-.9695E+02	-.9695E+02	-.5955E+04	-.2125E+05	.5316E+05	-.3889E+03	-.9695E+02	-.9695E+02	-.5955E+04	-.2940E+05	.6142E+05
-.8289E+00	-.1966E+01	.4242E+01	.2449E+03	.1365E+04	.1097E+04	-.8289E+00	-.1966E+01	.4242E+01	.2449E+03	.1722E+04	.1262E+04
-.2928E-02	-.3278E-02	-.3771E-02	.5420E+00	-.4616E+01	.3080E+01	-.2928E-02	-.3278E-02	-.3771E-02	.5460E+00	-.4933E+01	.3355E+01
-.3895E+03	.5209E+02	.2363E+02	.5251E+04	.1718E+05	-.7847E+04	-.3895E+03	.5209E+02	.2363E+02	.5251E+04	.1917E+05	-.1222E+05
.8913E+00	.1753E+00	.3784E+00	.8763E+02	.1616E+02	.1172E+03	.8913E+00	.1753E+00	.3784E+00	.8763E+02	.4795E+02	.1025E+03
.1289E+00	-.6988E-02	.2018E-02	-.5004E+00	-.3705E+01	.5477E+01	.1289E+00	-.6988E-02	.2018E-02	-.5004E+00	-.3536E+01	.6059E+01
-.1629E+03	.1730E+02	.9033E+01	.8581E+03	.1209E+04	-.1497E+04	-.1629E+03	.1730E+02	.9033E+01	.8581E+03	.1968E+04	-.2950E+04
-.2659E+01	.1082E+01	.6387E+00	.7351E+02	-.3909E+02	-.1052E+02	-.2659E+01	.1082E+01	.6387E+00	.7351E+02	.1456E+02	-.8041E+02



PX(I)	VY(I)	VZ(I)	IX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	IX(J)	MY(J)	MZ(J)
.8833E+01	.5290E+01	.8264E+01	-.8287E+03	.1381E+04	-.8819E+03	.8833E+01	.5290E+01	.8264E+01	-.8287E+03	.2675E+04	-.1326E+04
.890E+00	.3013E+00	-.3816E+00	.4564E+02	-.1123E+03	-.6166E+02	.890E+00	.3013E+00	-.3816E+00	.4564E+02	-.1527E+03	-.8698E+02
.89E+03	-.9833E+02	-.9695E+02	-.5955E+04	-.2125E+05	.5316E+05	-.9833E+02	-.9695E+02	-.5955E+04	-.2940E+05	.6142E+05	.1262E+04
.289E+00	-.1966E+01	.4242E+01	.2409E+03	.1365E+04	.1097E+04	.289E+00	-.1966E+01	.4242E+01	.2409E+03	.1722E+04	.1262E+04
-.2928E-02	-.3278E-02	-.3771E-02	.5450E+00	-.4616E+01	-.3080E+01	-.2928E-02	-.3278E-02	-.3771E-02	.5450E+00	-.4933E+01	.3355E+01
-.3895E+03	.5209E+02	.2363E+02	.5251E+04	.1718E+05	-.7847E+04	-.3895E+03	.5209E+02	.2363E+02	.5251E+04	.1917E+05	-.1242E+05
.8013E+00	.1753E+00	.3784E+00	.8763E+02	.1616E+02	.1172E+03	.8013E+00	.1753E+00	.3784E+00	.8763E+02	.4795E+02	.1045E+03
.1299E+00	-.6988E-02	.2018E-02	-.5034E+00	-.3705E+01	.5477E+01	.1299E+00	-.6988E-02	.2018E-02	-.5034E+00	-.3536E+01	.6059E+01
-.1622E+03	.1730E+02	.9033E+01	.5861E+03	.1209E+04	-.1497E+04	-.1622E+03	.1730E+02	.9033E+01	.5861E+03	.1968E+04	-.2950E+04
-.2659E+01	.1082E+01	.6387E+00	.7351E+02	-.3904E+02	.1052E+02	-.2659E+01	.1082E+01	.6387E+00	.7351E+02	.1456E+02	-.8041E+02
.1046E+04	-.2445E+03	.9901E+01	-.3624E+03	-.1717E+04	-.3291E+04	.1046E+04	-.2445E+03	.9901E+01	-.3624E+03	-.8857E+03	.1725E+05
.1091E+03	.3320E+02	-.2765E+01	.3236E+03	.6380E+02	-.5790E+03	.1091E+03	.3320E+02	-.2765E+01	.3236E+03	-.3165E+03	.2210E+04
-.1638E+02	.4916E+01	-.6937E-01	-.4702E+02	-.5013E+02	.1301E+03	-.1638E+02	.4916E+01	-.6937E-01	-.4702E+02	-.6196E+02	-.2829E+03
-.8114E+00	.1691E+00	.2771E+00	.1756E+02	.4495E+00	-.3112E+02	-.8114E+00	.1691E+00	.2771E+00	.1756E+02	.2373E+02	-.4533E+02
.1077E+02	.6263E+00	.1643E+02	-.2390E+03	-.9644E+03	.4705E+03	.1077E+02	.6263E+00	.1643E+02	-.2390E+03	.4155E+03	.4178E+03
.4502E+01	.2629E+01	.5208E+02	-.6028E+03	-.2771E+04	.2739E+03	.4502E+01	.2629E+01	.5208E+02	-.6028E+03	.1603E+04	.5299E+02
-.3716E-02	-.9211E+01	.9533E+01	-.1804E+03	-.3260E+03	-.1681E+04	-.3716E-02	-.9211E+01	.9533E+01	-.1804E+03	.4741E+03	.9069E+03
-.1678E+03	-.053E+02	.2961E+02	-.7831E+03	-.1003E+04	-.7606E+04	-.1678E+03	-.053E+02	.2961E+02	-.7831E+03	.1484E+04	-.2521E+04
.7616E+02	.2785E+02	-.1184E+02	.3364E+03	.4089E+03	.3462E+04	.7616E+02	.2785E+02	-.1184E+02	.3364E+03	-.5856E+03	.1122E+04
.5284E+02	.2010E+02	-.6629E+01	.1237E+03	.1228E+03	.2233E+04	.5284E+02	.2010E+02	-.6629E+01	.1237E+03	-.4341E+03	.4116E+02
.3268E+02	.1219E+02	.1690E+02	.2286E+03	.4187E+03	.2830E+04	.3268E+02	.1219E+02	.1690E+02	.2286E+03	.1838E+04	.1807E+04
-.9669E+02	-.5541E+02	-.1691E+02	-.4990E+02	-.3459E+03	-.5332E+04	-.9669E+02	-.5541E+02	-.1691E+02	-.4990E+02	-.1767E+04	-.6770E+03
.2337E+02	.1742E+02	.3271E+01	-.1364E+03	.6249E+00	.8204E+03	.2337E+02	.1742E+02	.3271E+01	-.1364E+03	.2754E+03	-.6375E+03
-.2667E+01	-.2934E+00	.2726E+01	-.2656E+02	.1684E+03	-.2667E+01	-.2667E+01	-.2934E+00	.2726E+01	-.2656E+02	.3974E+03	.1051E+03
.0808E+00	.5930E+00	-.1131E+01	.2000E+02	-.1035E+03	.2061E+02	.0808E+00	.5930E+00	-.1131E+01	.2000E+02	-.1985E+03	-.2920E+02
.3698E+02	.2652E+02	-.2902E+01	-.8600E+02	-.9021E+03	.5325E+03	.3698E+02	.2652E+02	-.2902E+01	-.8600E+02	-.1140E+04	-.1695E+04
.2136E+01	.2163E+01	.1006E+01	-.3649E+02	.1391E+03	.6195E+02	.2136E+01	.2163E+01	.1006E+01	-.3649E+02	.2237E+03	-.1197E+03
.9543E+01	.5756E+01	.9961E+00	-.4023E+02	-.1811E+00	.3743E+02	.9543E+01	.5756E+01	.9961E+00	-.4023E+02	.4149E+02	-.4460E+03
-.1862E+02	-.1383E+02	-.1106E+01	.1403E+03	-.6890E+03	-.1242E+02	-.1862E+02	-.1383E+02	-.1106E+01	.1403E+03	-.7819E+03	.1038E+04
-.1079E+00	.1990E+01	.3783E+00	.1765E+02	.3783E+00	.5087E+02	-.1079E+00	.1990E+01	.3783E+00	.1765E+02	.1447E+03	-.1163E+03
.2313E+01	.7729E+00	-.4769E+00	-.5086E+01	.9600E+02	-.3128E+02	.2313E+01	.7729E+00	-.4769E+00	-.5086E+01	.5593E+02	-.9621E+02

SQUARE ROOT SUM OF THE SQUARES

.1222E+04	.2886E+03	.1224E+03	.8104E+04	.2769E+05	.5494E+05	.1222E+04	.2886E+03	.1224E+03	.8104E+04	.3547E+05	.6521E+05
CLOSELY SPACED PCDF SUMMATION METHOD											
.1338E+04	.3304E+03	.1411E+03	.8431E+04	.2887E+05	.5725E+05	.1338E+04	.3304E+03	.1411E+03	.8431E+04	.3710E+05	.6712E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 6)

PX(I)	VY(I)	VZ(I)	IX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	IX(J)	MY(J)	MZ(J)
.8648E+01	.4059E+01	.6626E+01	-.8287E+03	.2075E+04	-.1326E+04	.8648E+01	.4059E+01	.6626E+01	-.8287E+03	.2516E+04	-.1597E+04
.1733E+00	.1780E+00	-.2206E+00	.4564E+02	-.1527E+03	-.8698E+02	.1733E+00	.1780E+00	-.2206E+00	.4564E+02	-.1674E+03	-.9883E+02
-.3590E+03	.1002E+03	-.5657E+01	-.5955E+04	-.2940E+05	-.6142E+05	-.3590E+03	.1002E+03	-.5657E+01	-.5955E+04	-.2977E+05	.5475E+05
-.4414E-01	.2809E+01	-.2278E+01	.2409E+03	.1722E+04	.1262E+04	-.4414E-01	.2809E+01	-.2278E+01	.2409E+03	.1570E+04	.1075E+04
-.4166E-03	.1140E-01	.2025E-01	.5480E+00	-.4933E+01	.3355E+01	-.4166E-03	.1140E-01	.2025E-01	.5480E+00	-.3584E+01	.2546E+01
-.3814E+03	-.1302E+01	-.7768E+02	.5251E+04	.1917E+05	-.1222E+05	-.3814E+03	-.1302E+01	-.7768E+02	.5251E+04	.1399E+05	-.1214E+05
.1003E+01	.1035E+01	.8601E-01	.8763E+02	.4795E+02	.1025E+03	.1003E+01	.1035E+01	.8601E-01	.8763E+02	.5367E+02	.3355E+02
.1292E+00	.3252E-01	.2225E-01	-.5004E+00	-.3536E+01	.6059E+01	.1292E+00	.3252E-01	.2225E-01	-.5004E+00	-.2054E+01	.3893E+01
-.1592E+03	-.3561E+01	.1139E+02	.5861E+03	.1968E+04	-.2950E+04	-.1592E+03	-.3561E+01	.1139E+02	.5861E+03	.2726E+04	-.2713E+04
-.2181E+01	.1227E+01	.2624E+00	.7351E+02	.1456E+02	-.8041E+02	-.2181E+01	.1227E+01	.2624E+00	.7351E+02	.3203E+02	-.1622E+03
.8682E+03	-.1050E+03	.1573E+02	-.3624E+03	-.8657E+03	.1725E+05	.8682E+03	-.1050E+03	.1573E+02	-.3624E+03	.1616E+02	-.2425E+05
.8575E+02	-.1861E+02	-.4031E+01	-.3236E+03	-.1365E+03	.2210E+04	.8575E+02	-.1861E+02	-.4031E+01	-.3236E+03	-.5849E+03	.3449E+04
-.1261E+02	.2135E+01	.1596E+00	-.4762E+02	-.6196E+02	-.2829E+02	-.1261E+02	.2135E+01	.1596E+00	-.4762E+02	-.5133E+02	-.4251E+03
-.6844E+00	.1377E+00	.1661E+00	.1756E+02	.2373E+02	-.4533E+02	-.6844E+00	.1377E+00	.1661E+00	.1756E+02	.3479E+02	-.5450E+02
.9419E+01	.2295E+01	.1189E+02	-.2390E+03	.1155E+03	.2178E+03	.9419E+01	.2295E+01	.1189E+02	-.2390E+03	.1207E+04	.2650E+03
.5214E+01	.2815E+01	.3674E+02	-.6028E+03	.1603E+04	.5299E+02	.5214E+01	.2815E+01	.3674E+02	-.6028E+03	.4050E+04	.1345E+03
-.3022E+02	-.1578E+02	.5320E+01	-.1809E+03	.4741E+03	-.9009E+03	-.3022E+02	-.1578E+02	.5320E+01	-.1809E+03	.8285E+03	.1437E+03
-.1417E+03	-.8091E+02	.1487E+02	.7831E+03	.1484E+04	-.2521E+04	-.1417E+03	-.8091E+02	.1487E+02	.7831E+03	.2475E+04	.2668E+04
.6371E+02	.3722E+02	-.5990E+01	.3364E+03	-.5856E+03	.1122E+04	.6371E+02	.3722E+02	-.5990E+01	.3364E+03	-.9845E+03	-.1356E+04
.4802E+02	.2657E+02	-.1529E+01	.1237E+03	-.4341E+03	.4116E+04	.4802E+02	.2657E+02	-.1529E+01	.1237E+03	-.5358E+03	-.1728E+04
.5441E+00	.3327E+02	-.6045E+01	.2288E+03	.1938E+04	.1807E+04	.5441E+00	.3327E+02	-.6045E+01	.2288E+03	.1435E+04	-.4044E+03
-.5901E+02	-.6559E+02	.4965E+01	-.4990E+02	-.1767E+04	-.6770E+03	-.5901E+02	-.6559E+02	.4965E+01	-.4990E+02	-.1436E+04	.3641E+04
.1901E+02	.9038E+01	-.5034E+00	-.1364E+03	.2754E+03	-.6375E+03	.1901E+02	.9038E+01	-.5034E+00	-.1364E+03	.2419E+03	-.1239E+04
-.4538E+01	.1343E+01	-.3338E+01	-.2656E+02	.3974E+03	.1051E+03	-.4538E+01	.1343E+01	-.3338E+01	-.2656E+02	.1750E+03	.1564E+02
.5017E+00	.1402E+00	.2099E+01	.2000E+02	-.1985E+03	-.2920E+02	.5017E+00	.1402E+00	.2099E+01	.2000E+02	-.5866E+02	-.3853E+02
.3562E+02	-.2064E+01	.1728E+02	-.8800E+02	-.1146E+04	-.1695E+04	.3562E+02	-.2064E+01	.1728E+02	-.8800E+02	.4731E+01	-.1557E+04
.1320E+01	.1186E+00	-.2990E+01	-.3649E+02	.2237E+03	-.1197E+03	.1320E+01	.1186E+00	-.2990E+01	-.3649E+02	.2452E+02	-.2702E+03
.8828E+01	-.2640E+01	-.2548E+00	-.4023E+02	.4149E+02	-.4460E+03	.8828E+01	-.2640E+01	-.2548E+00	-.4023E+02	.1888E+03	.6235E+03
-.1478E+02	.6221E+01	.1457E+02	.1403E+03	.7819E+03	-.1638E+03	-.1478E+02	.6221E+01	.1457E+02	.1403E+03	.8359E+02	-.9448E+02
-.1696E+01	-.3276E+00	.3427E+01	.9742E+01	-.1447E+03	-.1163E+03	-.1696E+01	-.3276E+00	.3427E+01	.9742E+01	-.6417E+02	-.3439E+01
.7240E+01	-.1393E+01	-.1803E+01	-.5086E+01	.5593E+02	-.9621E+02	.7240E+01	-.1393E+01	-.1803E+01	-.5086E+01		



1.40E+02	.9038E+01	-.5034E+00	-.504E+03	.2754E+03	-.6375E+03	.1901E+02	.903E+01	-.5034E+00	-.1364E+03	.219E+03	-.1239E+02
-.4538E+01	.1343E+01	-.3338E+01	-.2656E+02	.3974E+03	.1051E+03	-.4538E+01	.1343E+01	-.3338E+01	-.2656E+02	.1150E+03	-.1564E+02
.5017E+00	.1402E+00	.2099E+01	.2000E+02	-.1945E+03	-.2920E+02	.5017E+00	.1402E+00	.2099E+01	.2000E+02	-.5866E+02	-.3653E+02
.562E+02	-.2064E+01	.1728E+02	-.8800E+02	-.1146E+04	.1695E+04	.562E+02	-.2064E+01	.1728E+02	-.8800E+02	.4731E+01	-.1557E+04
.320E+01	.1186E+00	-.2990E+01	-.3649E+02	.2237E+03	-.1197E+03	.320E+01	.1186E+00	-.2990E+01	-.3649E+02	.2456E+02	-.1276E+03
.8828E+01	-.2640E+01	-.2548E+00	-.4023E+02	.4174E+02	-.4460E+03	.8828E+01	-.2640E+01	-.2548E+00	-.4023E+02	.2452E+02	-.2702E+03
-.1478E+02	.6221E+01	.1457E+02	.1403E+03	-.7819E+03	.1038E+04	-.1478E+02	.6221E+01	.1457E+02	.1403E+03	.1888E+03	.6235E+03
-.1690E+01	-.3276E+00	.3427E+01	.9742E+01	-.1447E+03	-.1163E+03	-.1690E+01	-.3276E+00	.3427E+01	.9742E+01	.8354E+02	-.9448E+02
.2240E+01	-.1393E+01	-.1803E+01	-.5086E+01	.5593E+02	-.9621E+02	.2240E+01	-.1393E+01	-.1803E+01	-.5086E+01	-.6417E+02	-.3439E+01

SQUARE ROOT SLM OF THE SQUARES

.1045E+04	.1895E+03	.9434E+02	.8104E+04	.3547E+05	.6521E+05	.1045E+04	.1895E+03	.9434E+02	.8104E+04	.3300E+05	.6154E+05
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CLOSELY SPACED MODE SUMMATION METHOD

.1132E+04	.2397E+03	.1034E+03	.8431E+04	.3710E+05	.6712E+05	.1132E+04	.2397E+03	.1034E+03	.8431E+04	.3535E+05	.6405E+05
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ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 7 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.8424E+01	.2571E+01	.4843E+01	-.8287E+03	.2516E+04	-.1597E+04	.8424E+01	.2571E+01	.4843E+01	-.8287E+03	.2839E+04	-.1768E+04
.1482E+00	.5466E-01	.4519E-01	.4564E+02	-.1674E+03	-.9883E+02	.1482E+00	.5466E-01	.4519E-01	.4564E+02	-.1644E+03	-.1025E+03
-.3105E+03	.3127E+03	.9483E+02	-.5955E+04	-.2977E+05	.5475E+05	-.3105E+03	.3127E+03	.9483E+02	-.5955E+04	-.2346E+05	.3392E+05
.9012E+00	.7940E+01	-.9316E+01	.2409E+03	.1570E+04	.1075E+04	.9012E+00	.7940E+01	-.9316E+01	.2409E+03	.9495E+03	.5461E+03
.2609E-02	.2718E-01	.4593E-01	.5480E+00	-.3584E+01	.2596E+01	.2609E-02	.2718E-01	.4593E-01	.5480E+00	-.5254E+00	.7858E+00
-.3708E+03	-.6153E+02	-.1829E+03	.5251E+04	.1394E+05	-.1214E+05	-.3708E+03	-.6153E+02	-.1829E+03	.5251E+04	.1814E+04	-.8038E+04
.1134E+01	.2007E+01	-.3394E+00	.8763E+02	.5367E+02	.3355E+02	.1134E+01	.2007E+01	-.3394E+00	.8763E+02	.3107E+02	-.1001E+03
.1272E+00	.7552E-01	.3986E-01	-.5004E+00	-.2654E+01	.3893E+01	.1272E+00	.7552E-01	.3986E-01	-.5004E+00	.6002E+00	-.1137E+01
-.1441E+03	-.3031E+02	.2127E+02	.5861E+03	.2726E+04	-.2713E+04	-.1441E+03	-.3031E+02	.2127E+02	.5861E+03	.4143E+04	-.6943E+03
-.1592E+01	.1535E+01	-.6619E+00	.7351E+02	.3203E+02	-.1622E+03	-.1592E+01	.1535E+01	-.6619E+00	.7351E+02	-.1205E+02	-.2644E+03
.6493E+03	.1257E+03	.1239E+02	-.3624E+03	.1618E+03	.2429E+05	.6493E+03	.1257E+03	.1239E+02	-.3624E+03	.9871E+03	.1567E+05
.5707E+02	.6089E+01	-.2491E+01	-.3236E+03	-.5849E+03	.3449E+04	.5707E+02	.6089E+01	-.2491E+01	-.3236E+03	.3044E+04	-.7508E+03
-.7987E+01	-.2987E+01	.3284E-01	-.4762E+02	-.5133E+02	-.4251E+03	-.7987E+01	-.2987E+01	.3284E-01	-.4762E+02	-.4915E+02	-.2261E+03
-.5255E+00	.4779E+00	.2617E-01	.1756E+02	.3479E+02	-.5450E+02	-.5255E+00	.4779E+00	.2617E-01	.1756E+02	.3667E+02	-.8033E+02
.7445E+01	-.5564E+00	-.4489E+01	-.2350E+03	.1207E+04	.2650E+03	.7445E+01	-.5564E+00	-.4489E+01	-.2350E+03	.9082E+03	.3283E+03
.6012E+01	.3258E+00	-.1301E+02	-.6028E+03	.4050E+04	-.1345E+03	.6012E+01	.3258E+00	-.1301E+02	-.6028E+03	.3183E+04	-.1562E+03
-.2142E+02	-.3442E+01	-.3368E+01	-.1809E+03	.8285E+03	.1437E+03	-.2142E+02	-.3442E+01	-.3368E+01	-.1809E+03	.6042E+03	.3724E+03
-.1079E+03	-.1202E+02	-.1423E+02	-.7831E+03	.2475E+04	.2868E+04	-.1079E+03	-.1202E+02	-.1423E+02	-.7831E+03	.1527E+04	.3608E+04
.4765E+02	.5771E+01	.5670E+01	.3364E+03	-.9845E+03	-.1356E+04	.4765E+02	.5771E+01	.5670E+01	.3364E+03	-.6068E+03	-.1741E+04
.4132E+02	-.2964E+00	.6004E+01	.1237E+03	-.5354E+03	-.1728E+04	.4132E+02	-.2964E+00	.6004E+01	.1237E+03	.1359E+03	-.1708E+04
-.3817E+02	.1624E+02	-.2533E+02	.2288E+03	.1435E+04	-.4094E+03	-.3817E+02	.1624E+02	-.2533E+02	.2288E+03	-.2514E+03	-.1491E+04
-.1227E+02	-.4572E+01	.2255E+02	-.4990E+02	.1436E+04	.3691E+04	-.1227E+02	-.4572E+01	.2255E+02	-.4990E+02	.6564E+02	.3956E+04
.1319E+02	-.9727E+01	-.3448E+01	-.1364E+03	.2419E+03	-.1239E+04	.1319E+02	-.9727E+01	-.3448E+01	-.1364E+03	.1223E+02	-.5916E+03
-.6442E+01	.1296E+01	-.5397E+01	-.2656E+02	.1750E+03	.1564E+02	-.6442E+01	.1296E+01	-.5397E+01	-.2656E+02	-.1844E+03	-.7064E+02
.2671E+00	-.4915E+00	.2513E+01	.2000E+02	-.5866E+02	.3853E+02	.2671E+00	-.4915E+00	.2513E+01	.2000E+02	.1087E+03	-.5748E+01
.3309E+02	-.2809E+02	.1386E+02	-.8800E+02	.4731E+01	-.1557E+04	.3309E+02	-.2809E+02	.1386E+02	-.8800E+02	.9280E+03	.3134E+03
.2803E+00	-.2127E+01	-.2838E+01	-.3649E+02	.2456E+02	-.1775E+03	.2803E+00	-.2127E+01	-.2838E+01	-.3649E+02	-.1645E+03	.1408E+02
.7530E+01	-.7348E+01	-.5820E+00	-.4023E+02	.2452E+02	-.2702E+03	.7530E+01	-.7348E+01	-.5820E+00	-.4023E+02	.1424E+02	.2141E+03
-.9392E+01	.1740E+02	.8335E+01	.1403E+03	.1888E+03	.6235E+03	-.9392E+01	.1740E+02	.8335E+01	.1403E+03	.7439E+03	-.5379E+03
-.3497E+01	-.2184E+01	.8958E+00	.9742E+01	.8354E+02	-.9448E+02	-.3497E+01	-.2184E+01	.8958E+00	.9742E+01	.1433E+03	.5097E+02
.2006E+01	-.1271E+01	-.6640E-01	-.5086E+01	-.6417E+02	-.3439E+01	.2006E+01	-.1271E+01	-.6640E-01	-.5086E+01	-.6859E+02	.8116E+02

SQUARE ROOT SLM OF THE SQUARES

.8359E+03	.3466E+03	.2124E+03	.8104E+04	.3360E+05	.6154E+05	.8359E+03	.3466E+03	.2124E+03	.8104E+04	.2443E+05	.3896E+05
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CLOSELY SPACED MODE SUMMATION METHOD

.8448E+03	.3581E+03	.2218E+03	.8431E+04	.3535E+05	.6405E+05	.8448E+03	.3581E+03	.2218E+03	.8431E+04	.2557E+05	.4127E+05
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ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 8 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
.8424E+01	.2571E+01	.4843E+01	-.8287E+03	.2839E+04	-.1768E+04	.8424E+01	.2571E+01	.4843E+01	-.8287E+03	.3072E+04	-.1891E+04
.1482E+00	.5466E-01	.4519E-01	.4564E+02	-.1644E+03	-.1025E+03	.1482E+00	.5466E-01	.4519E-01	.4564E+02	-.1622E+03	-.1051E+03
-.3105E+03	.3127E+03	.9483E+02	-.5955E+04	-.2346E+05	.3392E+05	-.3105E+03	.3127E+03	.9483E+02	-.5955E+04	-.1890E+05	.1891E+05
.9012E+00	.7940E+01	-.9316E+01	.2409E+03	.9495E+03	.5461E+03	.9012E+00	.7940E+01	-.9316E+01	.2409E+03	.5024E+03	.1650E+03
.2609E-02	.2718E-01	.4593E-01	.5480E+00	-.5254E+00	.7858E+00	.2609E-02	.2718E-01	.4593E-01	.5480E+00	-.1679E+01	-.5140E+00
-.3708E+03	-.6153E+02	-.1829E+03	.5251E+04	.1814E+04	-.8038E+04	-.3708E+03	-.6153E+02	-.1829E+03	.5251E+04	-.6955E+04	-.5085E+04
.1134E+01	.2007E+01	-.3394E+00	.8763E+02	.3107E+02	-.1001E+03	.1134E+01	.2007E+01	-.3394E+00	.8763E+02	.1478E+02	-.1965E+03
.1272E+00	.7552E-01	.3986E-01	-.5004E+00	.6002E+00	-.1137E+01	.1272E+00	.7552E-01	.3986E-01	-.5004E+00	.2513E+01	-.4762E+01
-.1441E+03	-.3031E+02	.2127E+02	.5861E+03	.4143E+04	-.6943E+03	-.1441E+03	-.3031E+02	.2127E+02	.5861E+03	.5164E+04	.7605E+04
-.1592E+01	.1535E+01	-.6619E+00	.7351E+02	.1205E+02	-.2644E+03	-.1592E+01	.1535E+01	-.6619E+00	.7351E+02	-.4382E+02	-.3380E+03
.6493E+03	.1257E+03	.1239E+02	-.3624E+03	.9871E+03	.1587E+05	.6493E+03	.1257E+03	.1239E+02	-.3624E+03	.1582E+04	.9840E+04
.5707E+02	.6089E+01	-.2491E+01	-.3236E+03	.7508E+03	.3044E+04	.5707E+02	.6089E+01	-.2491E+01	-.3236E+03	-.8704E+03	.2751E+04
-.7987E+01	-.2987E+01	.3284E-01	-.4762E+02	-.4915E+02	-.2261E+03	-.7987E+01	-.2987E+01	.3284E-01	-.4762E+02	-.4757E+02	-.6274E+02





310E+03	3127E+02	9483E+02	55E+04	2346E+05	3392E+05	3105E+03	312E+03	9483E+02	5555E+04	1490E+05	1891E+05
9012E+00	7940E+01	9316E+01	2409E+03	9495E+03	5461E+03	9012E+00	794E+01	9316E+01	2409E+03	5461E+03	1650E+03
200E-02	2718E-01	4593E-01	5480E+00	5254E+00	7858E+00	2609E-02	2718E-01	4593E-01	5480E+00	5254E+00	5140E+00
08E+03	6153E+02	1829E+03	5251E+04	1814E+04	8038E+04	768E+03	6153E+02	1829E+03	5251E+04	1814E+04	5065E+04
34E+01	2007E+01	3394E+00	8763E+02	3107E+02	1001E+03	134E+01	2007E+01	3394E+00	8763E+02	3107E+02	1478E+02
1292E+00	7552E-01	3986E-01	5004E+00	6002E+00	1137E+01	1292E+00	7552E-01	3986E-01	5004E+00	6002E+00	2513E+01
1441E+03	3031E+02	2127E+02	5861E+03	4133E+04	6943E+03	1441E+03	3031E+02	2127E+02	5861E+03	4133E+04	5164E+04
1572E+01	1535E+01	6619E+00	7351E+02	1205E+02	2644E+03	1572E+01	1535E+01	6619E+00	7351E+02	1205E+02	4382E+02
6493E+03	1257E+03	1239E+02	3624E+03	9871E+03	1587E+03	6493E+03	1257E+03	1239E+02	3624E+03	9871E+03	1582E+04
5707E+02	6089E+01	2491E+01	3234E+03	7508E+03	3044E+04	5707E+02	6089E+01	2491E+01	3234E+03	7508E+03	2751E+04
7987E+01	2987E+01	3284E-01	4762E+02	4915E+02	2261E+03	7987E+01	2987E+01	3284E-01	4762E+02	4915E+02	8279E+02
5255E+00	4779E+00	2817E-01	1750E+02	3667E+02	8633E+02	5255E+00	4779E+00	2817E-01	1750E+02	3667E+02	1093E+03
7445E+01	9504E+00	4489E+01	2390E+03	9082E+03	3283E+03	7445E+01	9504E+00	4489E+01	2390E+03	9082E+03	3739E+03
6012E+01	3258E+00	1301E+02	6028E+03	3183E+04	1562E+03	6012E+01	3258E+00	1301E+02	6028E+03	3183E+04	1718E+03
2142E+02	3442E+01	3368E+01	1809E+03	6042E+03	3729E+03	2142E+02	3442E+01	3368E+01	1809E+03	6042E+03	5381E+03
1079E+03	1202E+02	1423E+02	7831E+03	1572E+04	3608E+04	1079E+03	1202E+02	1423E+02	7831E+03	1572E+04	4245E+04
4765E+02	5771E+01	5670E+01	3364E+03	6068E+03	1741E+04	4765E+02	5771E+01	5670E+01	3364E+03	6068E+03	2018E+04
4132E+02	2964E+00	6004E+01	1237E+03	1354E+03	1708E+04	4132E+02	2964E+00	6004E+01	1237E+03	1354E+03	1694E+04
5417E+02	1624E+02	2533E+02	2288E+03	2512E+03	1491E+04	5417E+02	1624E+02	2533E+02	2288E+03	2512E+03	2271E+04
1227E+02	4572E+01	2255E+02	4790E+02	6564E+02	3996E+04	1227E+02	4572E+01	2255E+02	4790E+02	6564E+02	4215E+04
1319E+02	9727E+01	3448E+01	1364E+03	1223E+02	5916E+03	1319E+02	9727E+01	3448E+01	1364E+03	1223E+02	1247E+03
6442E+01	1296E+01	5397E+01	2656E+02	1844E+03	7064E+02	6442E+01	1296E+01	5397E+01	2656E+02	1844E+03	1326E+03
2671E+00	4915E+00	2513E+01	2000E+02	1087E+03	5798E+01	2671E+00	4915E+00	2513E+01	2000E+02	1087E+03	1780E+02
3009E+02	2869E+02	1386E+02	8800E+02	9280E+03	3134E+03	3009E+02	2869E+02	1386E+02	8800E+02	9280E+03	1662E+04
2803E+00	2127E+01	2838E+01	3649E+02	1645E+03	1408E+02	2803E+00	2127E+01	2838E+01	3649E+02	1645E+03	1102E+03
7630E+01	7342E+01	5820E+00	4023E+02	1424E+02	2191E+03	7630E+01	7342E+01	5820E+00	4023E+02	1424E+02	5718E+03
9392E+01	1744E+02	8335E+01	1403E+03	7439E+03	5379E+03	9392E+01	1744E+02	8335E+01	1403E+03	7439E+03	1375E+04
3497E+01	2184E+01	8958E+00	9742E+01	1433E+03	5097E+02	3497E+01	2184E+01	8958E+00	9742E+01	1433E+03	1556E+03
2006E+01	1271E+01	6640E-01	5086E+01	6659E+02	8118E+02	2006E+01	1271E+01	6640E-01	5086E+01	6659E+02	1422E+03

SQUARE ROOT SUM OF THE SQUARES  
 8359E+03 3466E+03 2124E+03 8104E+04 2443E+05 3898E+05 8359E+03 3466E+03 2124E+03 8104E+04 2443E+05 3898E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 8498E+03 3581E+03 2218E+03 8431E+04 2557E+05 4127E+05 8498E+03 3581E+03 2218E+03 8431E+04 2557E+05 4127E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 9 )

PX(I)	VY(I)	VZ(I)	IX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	IX(J)	MY(J)	MZ(J)
8215E+01	1795E+01	4455E+01	8237E+03	3072E+04	1891E+04	8215E+01	1795E+01	4455E+01	8237E+03	3072E+04	1891E+04
1252E+00	6996E-01	6352E-01	4564E+02	1622E+03	1051E+03	1252E+00	6996E-01	6352E-01	4564E+02	1592E+03	1065E+03
2657E+03	3876E+03	1276E+03	5955E+04	1290E+05	1891E+05	2657E+03	3876E+03	1276E+03	5955E+04	1278E+05	3061E+03
1761E+01	9873E-01	1183E+02	2409E+03	5024E+03	1650E+03	1761E+01	9873E-01	1183E+02	2409E+03	6528E+02	3099E+03
5361E-02	3414E-01	5837E-01	5880E+00	1679E+01	5190E+01	5361E-02	3414E-01	5837E-01	5880E+00	4481E-01	2158E+01
3600E+03	7998E+02	2229E+03	5251E+04	6965E+04	5085E+04	3600E+03	7998E+02	2229E+03	5251E+04	1766E+05	1246E+04
1250E+01	2797E+01	6884E+00	8763E+02	1478E+02	1965E+03	1250E+01	2797E+01	6884E+00	8763E+02	1826E+02	3307E+03
1287E+00	9864E-01	4057E-01	5004E+00	2513E+01	4762E+01	1287E+00	9864E-01	4057E-01	5004E+00	4461E-01	9496E+01
1341E+03	4835E+02	5394E+02	5861E+03	5164E+04	7605E+03	1341E+03	4835E+02	5394E+02	5861E+03	7753E+04	3081E+04
1042E+01	3397E+01	2100E+01	7351E+02	4382E+02	3380E+03	1042E+01	3397E+01	2100E+01	7351E+02	1446E+03	5011E+03
4437E+03	2617E+03	4098E+01	3624E+03	1582E+04	9840E+04	4437E+03	2617E+03	4098E+01	3624E+03	1385E+04	2723E+04
3033E+02	1064E+02	5542E+01	3236E+03	8704E+03	2751E+04	3033E+02	1064E+02	5542E+01	3236E+03	1136E+04	2240E+04
3683E+01	7091E+01	1180E+01	4762E+02	4757E+02	8279E+02	3683E+01	7091E+01	1180E+01	4762E+02	1042E+03	2576E+03
3734E+00	2121E+01	3071E+00	1756E+02	3802E+02	1093E+03	3734E+00	2121E+01	3071E+00	1756E+02	5276E+02	2111E+03
5514E+01	1644E+02	2006E+02	2390E+03	6927E+03	3739E+03	5514E+01	1644E+02	2006E+02	2390E+03	2702E+03	1163E+04
6633E+01	4150E+01	5050E+02	6028E+03	2559E+04	1718E+03	6633E+01	4150E+01	5050E+02	6028E+03	1349E+03	2736E+02
1290E+02	3609E+02	1835E+01	1809E+03	4425E+03	5381E+03	1290E+02	3609E+02	1835E+01	1809E+03	3545E+03	1194E+04
7431E+02	1330E+03	1040E+02	7831E+03	8436E+03	4245E+04	7431E+02	1330E+03	1040E+02	7831E+03	3445E+03	2141E+04
3176E+02	5899E+02	4098E+01	3364E+03	3347E+03	2018E+04	3176E+02	5899E+02	4098E+01	3364E+03	1380E+03	8137E+03
3400E+02	2602E+02	4473E+01	1237E+03	1523E+03	1694E+04	3400E+02	2602E+02	4473E+01	1237E+03	3669E+03	4356E+03
7218E+02	4757E+02	1266E+01	2288E+03	1467E+04	2271E+04	7218E+02	4757E+02	1266E+01	2288E+03	1528E+04	1209E+02
3077E+02	5514E+02	6844E+01	4990E+02	1148E+04	4215E+04	3077E+02	5514E+02	6844E+01	4990E+02	8193E+03	1588E+04
7245E+01	1900E+01	3696E+01	1364E+03	1533E+03	1247E+03	7245E+01	1900E+01	3696E+01	1364E+03	2414E+02	2160E+03
8216E+01	1692E+01	4684E+01	2656E+02	4435E+03	1328E+03	8216E+01	1692E+01	4684E+01	2656E+02	2167E+03	5102E+02
3729E-01	2831E+00	3457E+01	2000E+02	2293E+03	1780E+02	3729E-01	2831E+00	3457E+01	2000E+02	6338E+02	4207E+01
2307E+02	2018E+02	2042E+02	8600E+02	1594E+04	1662E+04	2307E+02	2018E+02	2042E+02	8600E+02	6103E+03	6930E+03
6870E+00	1323E+01	3896E+01	3649E+02	3007E+03	1102E+03	6870E+00	1323E+01	3896E+01	3649E+02	1137E+03	5269E+02
5764E+01	6272E+01	9842E+00	4023E+02	4218E+02	5718E+03	5764E+01	6272E+01	9842E+00	4023E+02	5065E+01	2707E+03
3715E+01	1493E+02	1531E+02	1403E+03	1146E+04	1575E+04	3715E+01	1493E+02	1531E+02	1403E+03	3715E+03	6562E+03
4830E+01	1853E+01	4051E+01	9742E+01	1863E+03	1558E+03	4830E+01	1853E+01	4051E+01	9742E+01	8206E+01	6684E+02
1585E+01	1664E+01	1333E+01	5086E+01	7178E+02	1422E+03	1585E+01	1664E+01	1333E+01	5086E+01	7816E+01	6229E+02

SQUARE ROOT SUM OF THE SQUARES  
 6564E+03 5071E+03 2701E+03 8104E+04 2148E+05 2336E+05 6564E+03 5071E+03 2701E+03 8104E+04 2148E+05 2336E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 6564E+03 5071E+03 2701E+03 8104E+04 2148E+05 2336E+05 6564E+03 5071E+03 2701E+03 8104E+04 2148E+05 2336E+05



.230E+02	.2018E+02	.2048E+02	.1594E+04	.1662E+04	.2307E+02	.201E+02	.2048E+02	.1880E+02	.613E+03	.6930E+03
.6870E+00	.1323E+01	.3896E+01	.3007E+03	.1162E+03	.6070E+00	.1323E+01	.3896E+01	.3649E+02	.1157E+03	.5269E+02
.5764E+01	.6272E+01	.9842E+00	.4023E+02	.4218E+02	.5718E+03	.6272E+01	.9842E+00	.4023E+02	.5065E+01	.2707E+03
.15E+01	.1493E+02	.1531E+02	.1463E+03	.1144E+04	.1375E+04	.1493E+02	.1531E+02	.1403E+03	.4043E+03	.6562E+03
.630E+01	.1853E+01	.4051E+01	.9742E+01	.1863E+03	.1558E+03	.630E+01	.1853E+01	.4051E+01	.9742E+01	.6664E+02
.1585E+01	.1664E+01	.1333E+01	.5086E+01	.7178E+02	.1422E+03	.1585E+01	.1664E+01	.1333E+01	.5086E+01	.7816E+01

SQUARE ROOT SUM OF THE SQUARES

.6564E+03	.5071E+03	.2701E+03	.8104E+04	.2148E+05	.2336E+05	.6564E+03	.5071E+03	.2701E+03	.8104E+04	.2353E+05	.6308E+04
CLOSELY SPACED MODE SUMMATION METHOD											
.6923E+03	.5562E+03	.2813E+03	.8431E+04	.2225E+05	.2595E+05	.6923E+03	.5562E+03	.2813E+03	.8431E+04	.2375E+05	.8182E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 10 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.8215E+01	.3357E+02	-.5738E+02	-.8287E+03	.3285E+04	-.1978E+04	.8215E+01	.3357E+02	-.5738E+02	-.8287E+03	.3113E+04	-.2078E+04
.1252E+00	-.4819E+01	.6204E+01	.4564E+02	-.1592E+03	-.1085E+03	.1252E+00	-.4819E+01	.6204E+01	.4564E+02	-.1406E+03	-.9400E+02
-.2657E+03	.1271E+03	.2420E+03	-.5955E+04	-.1278E+05	.3081E+03	-.2657E+03	.1271E+03	.2420E+03	-.5955E+04	-.1205E+05	-.7314E+02
.1761E+01	-.2919E+01	-.3442E+01	.2409E+03	-.6528E+02	-.3099E+03	.1761E+01	-.2919E+01	-.3442E+01	.2409E+03	-.7561E+02	-.3011E+03
.5361E+02	-.4153E+01	-.1091E+00	.5480E+00	.4481E+01	-.2158E+01	.5361E+02	-.4153E+01	-.1091E+00	.5480E+00	.4153E+01	-.2033E+01
-.3600E+03	.1334E+01	.7628E+02	.5251E+04	-.1766E+05	-.1246E+04	-.3600E+03	.1334E+01	.7628E+02	.5251E+04	-.1743E+05	-.8462E+03
.1250E+01	-.9268E+01	.3254E+01	.8763E+02	-.1826E+02	-.3307E+03	.1250E+01	-.9268E+01	.3254E+01	.8763E+02	-.8499E+01	-.3029E+03
.1297E+00	-.1499E+00	.8482E-01	-.5004E+00	.4461E+01	-.9496E+01	.1297E+00	-.1499E+00	.8482E-01	-.5004E+00	.4715E+01	-.9047E+01
-.1341E+03	.1104E+03	-.4561E+03	.5861E+03	.7753E+04	.3081E+04	-.1341E+03	.1104E+03	-.4561E+03	.5861E+03	.6385E+04	.2750E+04
-.1042E+01	-.1578E+02	.7971E+01	.7351E+02	-.1446E+03	-.5011E+03	-.1042E+01	-.1578E+02	.7971E+01	.7351E+02	-.1207E+03	-.4537E+03
.4437E+03	-.8918E+02	.9170E+02	-.3624E+03	.1385E+04	-.2723E+04	.4437E+03	-.8918E+02	.9170E+02	-.3624E+03	.1660E+04	-.2455E+04
.3033E+02	.7044E+02	.3060E+02	-.3236E+03	-.1136E+04	.2240E+04	.3033E+02	.7044E+02	.3060E+02	-.3236E+03	-.1045E+04	.2029E+04
-.3683E+01	.8223E+01	.7239E+01	-.7472E+02	-.1042E+03	.2576E+03	-.3683E+01	.8223E+01	.7239E+01	-.7472E+02	-.8248E+02	.2329E+03
-.3734E+00	-.7230E+01	-.1873E+01	.1756E+02	.5276E+02	-.2111E+03	-.3734E+00	-.7230E+01	-.1873E+01	.1756E+02	.4715E+02	-.1844E+03
.5514E+01	.4685E+02	.1141E+02	-.2390E+03	-.2702E+03	.1163E+04	.5514E+01	.4685E+02	.1141E+02	-.2390E+03	-.2340E+03	.1023E+04
.6633E+01	.7986E+01	-.2438E+01	-.6028E+03	.1349E+03	.2736E+02	.6633E+01	.7986E+01	-.2438E+03	.1270E+03	.3400E+01	-.1005E+04
-.1290E+02	-.6322E+02	-.2148E+02	-.1809E+03	.3545E+03	-.1194E+04	-.1290E+02	-.6322E+02	-.2148E+02	-.1809E+03	.2900E+03	-.1717E+04
-.7431E+02	-.1413E+03	-.6009E+02	-.7831E+03	.3445E+03	-.2141E+04	-.7431E+02	-.1413E+03	-.6009E+02	-.7831E+03	.1642E+03	-.6630E+02
.3176E+02	.5903E+02	.2386E+02	.3364E+03	-.1340E+03	-.8137E+03	.3176E+02	.5903E+02	.2386E+02	.3364E+03	.4048E+03	-.4073E+03
.3400E+02	-.9229E+01	.1262E+02	.1237E+03	.3669E+03	-.4350E+03	.3400E+02	-.9229E+01	.1262E+02	.1237E+03	-.1668E+04	-.1151E+03
-.7218E+02	.4259E+02	-.4665E+02	.2288E+03	-.1528E+04	.1269E+02	-.7218E+02	.4259E+02	-.4665E+02	.2288E+03	.9653E+03	.1456E+04
.3077E+02	.3738E+02	.4866E+02	-.4990E+02	.8193E+03	.1568E+04	.3077E+02	.3738E+02	.4866E+02	-.4990E+02	.4557E+01	-.1331E+03
.7245E+01	-.2761E+02	-.6527E+01	-.1340E+03	.2410E+02	-.2160E+03	.7245E+01	-.2761E+02	-.6527E+01	-.1340E+03	-.2313E+03	-.5336E+02
-.8216E+01	.5786E+00	-.4216E+01	-.2656E+02	-.2187E+03	-.5162E+02	-.8216E+01	.5786E+00	-.4216E+01	-.2656E+02	.6568E+02	.6291E+01
.3729E+01	-.6946E+00	.7668E+00	.2000E+02	.6338E+02	.4207E+01	.3729E+01	-.6946E+00	.7668E+00	.2000E+02	.5917E+03	.7556E+03
.2307E+02	-.2085E+02	-.6214E+01	-.8800E+02	.6103E+03	.4930E+03	.2307E+02	-.2085E+02	-.6214E+01	-.8800E+02	-.1107E+03	.5761E+02
-.6870E+00	-.1639E+01	.9949E+00	-.3647E+02	-.1137E+03	.5269E+02	-.6870E+00	-.1639E+01	.9949E+00	-.3647E+02	.5077E+01	.2716E+03
.5764E+01	-.2711E+00	.4002E-02	-.4023E+02	.1565E+01	.2707E+03	.5764E+01	-.2711E+00	.4002E-02	-.4023E+02	.3722E+03	-.6545E+03
-.3715E+01	-.1213E+01	-.1236E+02	.1403E+03	.4093E+03	-.6582E+03	-.3715E+01	-.1213E+01	-.1236E+02	.1403E+03	-.1676E+02	.6640E+02
-.4830E+01	.1479E+00	-.3518E+01	.9742E+01	-.8206E+01	.6684E+02	-.4830E+01	.1479E+00	-.3518E+01	.9742E+01	-.2248E+01	.5752E+02
.1585E+01	.1591E+01	.1856E+01	-.5086E+01	-.7816E+01	.6229E+02	.1585E+01	.1591E+01	.1856E+01	-.5086E+01		

SQUARE ROOT SUM OF THE SQUARES

.6504E+03	.3080E+03	.5431E+03	.8104E+04	.2353E+05	.6308E+04	.6504E+03	.3080E+03	.5431E+03	.8104E+04	.2254E+05	.5661E+04
CLOSELY SPACED MODE SUMMATION METHOD											
.6923E+03	.3939E+03	.5628E+03	.8431E+04	.2375E+05	.8182E+04	.6923E+03	.3939E+03	.5628E+03	.8431E+04	.2279E+05	.7219E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 11 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
.8061E+01	-.6297E+02	-.1979E+02	-.8287E+03	-.2723E+04	-.2569E+04	-.3883E+02	-.5023E+02	-.1979E+02	-.2772E+04	-.1969E+04	-.4586E+03
.1083E+00	.7006E+01	.3251E+01	.4564E+02	-.6012E+02	.1581E+03	.5031E+01	.4877E+01	.3251E+01	.3201E+02	.2866E+02	-.6343E+02
-.2326E+03	.2016E+03	-.1810E+03	-.5955E+04	.2028E+04	.1176E+05	-.2196E+02	.3070E+03	-.1810E+03	-.4738E+04	.3099E+03	.2283E+04
.2392E+01	-.2954E+01	.3305E+01	.2409E+03	-.2765E+03	.1411E+03	-.3970E+00	-.3780E+01	.3305E+01	.1836E+02	-.2607E+03	.2667E+03
.7381E+02	-.9177E-01	.6098E-01	.5480E+00	-.2912E+01	-.3592E+01	-.5967E-01	.7011E-01	.6098E-01	-.8678E+00	-.5061E+00	-.9750E+00
-.3517E+03	.9010E+02	.1124E+03	.5251E+04	.3080E+04	.1718E+05	-.1850E+03	.3124E+03	.1124E+03	.7373E+04	.2042E+04	.9678E+04
.1334E+01	.4873E+01	.7670E+01	.8743E+02	-.2933E+03	.7614E+02	.4389E+01	.2502E+01	.7670E+01	-.4437E+02	-.2534E+02	-.6132E+02
.1262E+00	.1101E+00	.1131E+00	-.5004E+00	.9873E+01	-.2569E+01	.1685E+00	-.1277E-01	.1131E+00	-.5845E+01	-.3029E+01	-.4364E+01
-.1266E+03	-.4299E+03	-.2752E+01	.5841E+03	.1250E+04	-.6838E+04	-.3935E+03	-.2145E+03	-.2752E+01	.1702E+04	.3820E+03	.1713E+04
-.6341E+00	.4440E+01	.1134E+02	.7351E+02	-.4151E+03	.2193E+03	.6227E+01	.7123E+01	.1134E+02	-.9145E+02	.1688E+02	-.8944E+02
.2011E+03	.8598E+02	.2464E+02	-.3624E+03	.2765E+04	-.1068E+04	.2066E+03	-.1450E+03	.2465E+02	-.1806E+04	-.9142E+03	.3240E+02
.1055E+02	.1060E+02	-.6424E+02	-.3236E+03	.2212E+04	.5636E+03	.1496E+02	.3146E-01	-.6424E+02	.2514E+03	.3654E+03	
-.5040E+00	.4407E+01	-.6951E+01	-.4762E+02	.2455E+03	.2822E+02	.2760E+01	.3472E+01	-.6951E+01	.4827E+02	-.1395E+02	-.1106E+03
-.2598E+00	-.1941E+00	.5412E+01	-.1756E+02	-.1951E+03	-.3523E+01	-.3210E+00	.4643E-01	.5412E+01	-.5424E+02	.2180E+02	-.7646E+00
.4062E+01	-.3440E+01	-.2974E+02	-.2390E+03	.1050E+04	.8818E+00	.4395E+00	-.5305E+01	-.2974E+02	.1811E+03	.3533E+02	.1039E+03
.7050E+01	-.1505E+02	-.1394E+01	-.6028E+03	-.2526E+02	-.1251E+03	-.5659E+01	-.1563E+02	-.1394E+01	-.4625E+03	.3640E+03	.4468E+03



1.351E+03	1.177E+03	1.067E+03	1.541E+03	1.212E+03	1.017E+03	1.617E+03	1.317E+03	1.124E+03	7373E+04	2.42E+04	9678E+04
1.134E+01	1.0873E+01	1.7670E+01	1.0763E+02	1.2933E+03	1.7610E+02	1.4389E+01	1.2502E+01	1.7670E+01	1.4437E+02	1.2534E+02	1.6132E+02
1.282E+00	1.1101E+00	1.1131E+00	1.5000E+00	1.9873E+01	1.2569E+01	1.685E+00	1.1277E+01	1.1131E+00	1.5845E+01	1.3029E+01	1.4364E+01
1.666E+03	1.4299E+03	1.2752E+01	1.5861E+03	1.250E+04	1.6838E+01	1.9735E+03	1.2145E+03	1.2752E+01	1.1262E+04	1.3820E+03	1.5173E+04
1.591E+00	1.9440E+01	1.1139E+02	1.7351E+02	1.4151E+03	1.2193E+03	1.6227E+01	1.7123E+01	1.1139E+02	1.9145E+02	1.1688E+02	1.8944E+02
1.2011E+03	1.8598E+02	1.2465E+02	1.3624E+03	1.2765E+04	1.1068E+04	1.2866E+03	1.1450E+03	1.2465E+02	1.1886E+04	1.9142E+03	1.3240E+02
1.1055E+02	1.1066E+02	1.6474E+02	1.3236E+03	1.2212E+04	1.5636E+03	1.1496E+02	1.3146E+01	1.6474E+02	1.4884E+03	1.2514E+03	1.3654E+03
1.5040E+00	1.4407E+01	1.6951E+01	1.4762E+02	1.2455E+03	1.2822E+02	1.2760E+01	1.3472E+01	1.6951E+01	1.4827E+02	1.1395E+02	1.1166E+03
1.2598E+00	1.1941E+00	1.5412E+01	1.1756E+02	1.1951E+03	1.3523E+01	1.3210E+00	1.4643E+01	1.5412E+01	1.5424E+02	1.2180E+02	1.7696E+03
1.4062E+01	1.3440E+01	1.2974E+02	1.2390E+03	1.1050E+04	1.8818E+00	1.4395E+00	1.5305E+01	1.2974E+02	1.1811E+03	1.3533E+02	1.1639E+03
1.7050E+01	1.1505E+02	1.1394E+01	1.6028E+03	1.2526E+02	1.1251E+03	1.5659E+01	1.1563E+02	1.1394E+01	1.4625E+03	1.3640E+03	1.4468E+03
1.6529E+01	1.7568E+01	1.3024E+02	1.1809E+03	1.1044E+04	1.5763E+02	1.968E+01	1.7348E+00	1.3024E+02	1.4616E+03	1.3518E+03	1.9712E+02
1.4898E+02	1.3091E+02	1.4265E+02	1.7831E+03	1.1710E+04	1.2245E+03	1.5649E+02	1.1278E+02	1.4265E+02	1.1201E+04	1.7018E+03	1.5625E+03
1.1800E+02	1.1241E+02	1.1575E+02	1.3364E+03	1.6353E+03	1.7791E+02	1.2278E+02	1.5225E+01	1.1575E+02	1.4795E+03	1.2899E+03	1.2119E+03
1.2829E+02	1.1225E+02	1.1347E+02	1.1237E+03	1.4676E+03	1.3033E+03	1.2867E+02	1.1134E+02	1.1347E+02	1.7079E+02	1.3708E+01	1.3204E+03
1.9639E+02	1.2226E+02	1.6243E+01	1.2288E+03	1.2614E+03	1.1651E+04	1.8386E+02	1.5246E+02	1.6243E+01	1.4553E+03	1.2853E+03	1.1067E+04
1.6208E+02	1.8059E+01	1.4739E+02	1.4940E+02	1.1203E+04	1.1267E+04	1.4959E+02	1.3820E+02	1.4739E+02	1.1907E+03	1.6220E+03	1.7052E+03
1.2763E+01	1.2152E+01	1.5357E+01	1.1360E+03	1.1308E+03	1.2538E+02	1.3475E+01	1.4315E+00	1.5357E+01	1.1183E+03	1.1744E+03	1.6646E+01
1.9235E+01	1.2809E+01	1.5293E+00	1.2656E+02	1.1897E+00	1.2374E+03	1.4543E+01	1.8516E+01	1.5293E+00	1.1194E+02	1.3549E+02	1.2628E+02
1.1325E+00	1.2901E+01	1.4672E+00	1.2000E+02	1.8582E+01	1.6542E+02	1.2145E+01	1.1958E+01	1.4672E+00	1.1423E+02	1.5345E+01	1.2515E+02
1.1742E+02	1.2317E+02	1.1472E+02	1.6800E+02	1.6038E+03	1.7459E+02	1.4065E+01	1.2870E+02	1.1472E+02	1.1707E+03	1.2065E+02	1.2208E+03
1.1383E+01	1.3376E+01	1.2212E+01	1.3649E+02	1.8095E+02	1.9500E+02	1.1409E+01	1.3365E+01	1.2212E+01	1.2263E+01	1.1266E+02	1.3064E+02
1.4319E+01	1.4705E+00	1.7139E+01	1.4023E+02	1.2635E+03	1.6578E+02	1.2721E+01	1.3387E+01	1.7139E+01	1.6300E+02	1.1238E+02	1.6117E+01
1.5602E+00	1.1062E+02	1.2013E+02	1.1403E+03	1.7213E+03	1.2161E+03	1.7116E+01	1.7908E+01	1.2013E+02	1.1455E+03	1.3138E+02	1.1293E+03
1.5669E+01	1.4462E+01	1.1405E+01	1.7422E+01	1.6891E+02	1.3410E+03	1.7163E+01	1.8536E+00	1.1405E+01	1.3709E+02	1.2876E+01	1.7000E+02
1.1222E+01	1.5497E+00	1.1701E+01	1.5086E+01	1.5056E+02	1.1069E+02	1.1253E+01	1.4757E+00	1.1701E+01	1.1398E+02	1.1054E+02	1.1207E+02

SQUARE ROOT SLM CF THE SQUARES

1.5401E+03	1.4981E+03	1.2406E+03	1.8104E+04	1.6827E+04	1.2222E+05	1.5261E+03	1.5170E+03	1.2406E+03	1.9610E+04	1.3255E+04	1.1341E+05
1.5709E+03	1.5067E+03	1.2671E+03	1.8431E+04	1.8570E+04	1.2251E+05	1.5553E+03	1.5285E+03	1.2671E+03	1.9912E+04	1.3558E+04	1.1581E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 11)

PX(J)	YY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
1.6297E+02	1.8061E+01	1.1979E+02	1.3613E+04	1.6164E+02	1.6279E+03
1.7006E+01	1.1083E+00	1.3251E+01	1.8616E+02	1.1006E+03	1.1523E+03
1.2016E+03	1.2326E+03	1.1210E+03	1.5516E+04	1.2190E+04	1.7775E+04
1.2954E+01	1.2392E+01	1.3305E+01	1.1278E+03	1.9217E+02	1.3817E+03
1.9177E+01	1.7381E+02	1.6098E+01	1.1678E+00	1.2196E+01	1.8694E+00
1.9010E+02	1.3517E+03	1.1124E+03	1.8139E+04	1.1922E+03	1.2700E+04
1.4873E+01	1.1334E+01	1.7670E+01	1.5180E+02	1.2575E+03	1.8310E+02
1.1101E+00	1.1282E+00	1.1131E+00	1.4784E+01	1.5589E+01	1.1756E+01
1.4299E+03	1.1266E+03	1.2752E+01	1.1126E+04	1.7099E+03	1.6811E+04
1.9440E+01	1.6341E+00	1.1139E+02	1.9738E+02	1.4390E+03	1.2340E+03
1.8598E+02	1.2911E+03	1.2465E+02	1.1655E+04	1.1472E+04	1.8161E+04
1.1066E+02	1.1055E+02	1.6424E+02	1.6791E+03	1.2567E+04	1.5616E+03
1.4407E+01	1.5040E+00	1.6951E+01	1.6735E+02	1.2652E+03	1.1928E+03
1.1941E+00	1.2598E+00	1.5412E+01	1.4840E+02	1.2260E+03	1.6477E+01
1.3440E+01	1.4062E+01	1.2974E+02	1.2890E+03	1.1099E+04	1.3385E+03
1.1505E+02	1.7050E+01	1.1394E+01	1.8600E+02	1.5400E+03	1.6696E+03
1.7508E+01	1.6529E+01	1.3024E+02	1.3100E+03	1.1542E+04	1.1087E+02
1.3091E+02	1.4898E+02	1.4265E+02	1.2094E+03	1.2702E+04	1.5885E+03
1.1241E+02	1.1980E+02	1.1575E+02	1.7340E+02	1.1055E+04	1.2546E+03
1.1225E+02	1.2829E+02	1.1347E+02	1.1185E+03	1.4824E+03	1.4181E+03
1.2220E+02	1.9639E+02	1.8243E+01	1.6324E+03	1.1421E+03	1.1688E+04
1.8059E+01	1.6208E+02	1.4739E+02	1.9296E+03	1.2083E+04	1.1164E+04
1.2152E+01	1.2763E+01	1.5357E+01	1.1103E+03	1.3775E+03	1.5284E+02
1.2809E+01	1.9235E+01	1.5293E+00	1.2363E+02	1.5038E+02	1.3046E+03
1.2901E+01	1.1325E+00	1.4672E+00	1.1244E+02	1.1023E+01	1.5917E+02
1.2317E+02	1.1742E+02	1.1472E+02	1.5880E+02	1.5746E+03	1.1080E+04
1.3376E+01	1.1363E+01	1.2212E+01	1.1859E+02	1.6504E+02	1.1191E+03
1.4705E+00	1.4319E+01	1.7139E+01	1.5773E+02	1.2810E+03	1.1497E+03
1.1062E+02	1.5602E+00	1.2013E+02	1.1847E+03	1.7656E+03	1.2871E+03
1.4462E+01	1.5669E+01	1.1405E+01	1.5675E+01	1.7278E+02	1.5091E+02
1.5497E+00	1.1222E+01	1.1701E+01	1.2000E+02	1.7147E+02	1.1958E+02

SQUARE ROOT SLM CF THE SQUARES

1.4981E+03	1.5441E+03	1.2406E+03	1.1076E+05	1.5702E+04	1.1374E+05
1.5067E+03	1.5709E+03	1.2671E+03	1.1106E+05	1.7800E+04	1.1468E+05



## SQUARE ROOT SUM OF THE SQUARES

4481E+03 .5441E+03 .2406E+03 .1076E+05 .5702E+04 .1374E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .5067E+03 .5709E+03 .2671E+03 .1106E+05 .7600E+04 .1468E+05

## ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 12)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.6202E+02	.7250E+01	.2001E+02	-.3613E+04	.6164E+02	-.6279E+03	-.6202E+02	.7250E+01	.2001E+02	-.3613E+04	.1452E+03	-.6582E+03
.6832E+01	.1796E+00	-.3087E+01	.8616E+02	-.1006E+03	.1523E+03	.6832E+01	.1796E+00	-.3087E+01	.8616E+02	-.1135E+03	.1516E+03
.1823E+03	-.1953E+03	.1467E+03	-.5516E+04	.2190E+04	.1775E+04	.1823E+03	-.1953E+03	.1467E+03	-.5516E+04	.2803E+04	.8591E+04
-.2285E+01	.2129E+01	-.3193E+01	-.1278E+03	.9217E+02	-.3817E+03	-.2285E+01	.2129E+01	-.3193E+01	-.1278E+03	.7883E+02	-.3906E+03
-.8732E-01	.6991E-02	-.5238E-01	-.1678E+00	-.2196E+01	-.8694E+00	-.8732E-01	.6991E-02	-.5238E-01	-.1678E+00	-.2415E+01	-.8966E+00
.6724E+02	-.3233E+03	-.9810E+02	.8140E+04	.1922E+03	.2700E+04	.6724E+02	-.3233E+03	-.9810E+02	.8140E+04	-.2176E+03	.4051E+04
.4614E+01	.1346E+01	-.6411E+01	.5180E+02	-.2575E+03	.8310E+02	.4614E+01	.1346E+01	-.6411E+01	.5180E+02	-.2843E+03	.7748E+02
.1110E+00	.1181E+00	-.8906E-01	-.4784E+01	.5589E+01	.1756E+01	.1110E+00	.1181E+00	-.8906E-01	-.4784E+01	-.5961E+01	.1263E+01
-.3950E+03	-.1255E+03	.4777E+01	.1126E+04	.7099E+03	-.6811E+04	-.3950E+03	-.1255E+03	.4777E+01	.1126E+04	.7299E+03	-.6287E+04
.7652E+01	.3522E-01	-.7528E+01	.9738E+02	-.4390E+03	.2340E+03	.7652E+01	.3522E-01	-.7528E+01	.9738E+02	-.4705E+03	.2339E+03
.8131E+02	.1878E+03	-.1731E+02	-.1655E+04	-.1472E+04	-.8161E+04	.8131E+02	.1878E+03	-.1731E+02	-.1655E+04	-.1544E+04	-.8945E+04
.6061E+01	.1940E+01	.3935E+02	-.6791E+03	.2567E+04	-.5616E+03	.6061E+01	.1940E+01	.3935E+02	-.6791E+03	.2732E+04	-.5647E+03
.3727E+01	.1263E+01	.4291E+01	-.6735E+02	.2652E+03	.1928E+03	.3727E+01	.1263E+01	.4291E+01	-.6735E+02	.2831E+03	.1875E+03
-.1307E+00	-.2499E+00	-.2726E+01	.4840E+02	-.2260E+03	.6477E+01	-.1307E+00	-.2499E+00	-.2726E+01	.4840E+02	-.2374E+03	.7521E+01
-.4031E+01	.2111E+01	.1195E+02	-.2890E+03	.1099E+04	-.3385E+03	-.4031E+01	.2111E+01	.1195E+02	-.2890E+03	.1149E+04	-.3473E+03
-.1051E+02	.2420E+01	.2614E+01	-.6800E+02	-.5406E+03	-.6696E+03	-.1051E+02	.2420E+01	.2614E+01	-.6800E+02	-.5291E+03	-.8797E+03
-.5765E+01	-.4254E+01	-.2423E+01	.3166E+03	-.1542E+04	.1087E+02	-.5765E+01	-.4254E+01	-.2423E+01	.3166E+03	-.1552E+04	.2865E+02
-.2915E+02	-.3346E+02	.1722E+02	.2094E+03	-.2702E+04	.5885E+03	-.2915E+02	-.3346E+02	.1722E+02	.2094E+03	-.2631E+04	.7283E+03
.1193E+02	.1281E+02	-.8586E+01	-.7348E+02	.1045E+04	-.2546E+03	.1193E+02	.1281E+02	-.8586E+01	-.7348E+02	.1009E+04	-.3081E+03
.1257E+02	.2047E+02	-.6646E+01	.1105E+03	-.4824E+03	-.4181E+03	.1257E+02	.2047E+02	-.6646E+01	.1105E+03	-.5101E+03	-.5037E+03
-.2162E+02	-.8089E+02	-.1752E+02	.6324E+03	.1421E+03	.1688E+04	-.2162E+02	-.8089E+02	-.1752E+02	.6324E+03	-.2153E+03	.2026E+04
.6047E+01	.5700E+02	.1290E+02	-.7206E+03	.2083E+04	-.1164E+04	.6047E+01	.5700E+02	.1290E+02	-.7206E+03	.2136E+04	-.1402E+04
.2977E+01	.5354E+00	.8055E+01	.1103E+03	-.3775E+03	-.5284E+02	.2977E+01	.5354E+00	.8055E+01	.1103E+03	-.3438E+03	-.5508E+02
.3214E+01	-.5550E+01	-.1215E+00	.2363E+02	-.5038E+02	.3046E+03	.3214E+01	-.5550E+01	-.1215E+00	.2363E+02	-.5089E+02	.3278E+03
-.4261E+01	-.7878E+00	.1824E-02	.1244E+02	-.1023E+01	-.5917E+02	-.4261E+01	-.7878E+00	.1825E-02	.1244E+02	-.1016E+01	-.5580E+02
-.2069E+02	.2317E+01	.1342E+02	-.5886E+02	.5746E+03	-.1080E+04	-.2069E+02	.2317E+01	.1342E+02	-.5886E+02	.6307E+03	-.1040E+04
.2165E+01	.6641E-01	.1551E+01	-.1859E+02	.6304E+02	-.1191E+03	.2165E+01	.6641E-01	.1551E+01	-.1859E+02	.6952E+02	.1190E+03
.9090E+00	.1882E+01	.1988E+01	-.5773E+02	.2816E+03	-.1497E+03	.9090E+00	.1882E+01	.1988E+01	-.5773E+02	.2893E+03	-.1576E+03
-.5873E+00	-.3077E+01	-.4856E+01	.1847E+03	-.7656E+03	-.2871E+03	-.5873E+00	-.3077E+01	-.4856E+01	.1847E+03	-.7859E+03	-.2743E+03
-.4943E+01	-.4505E+01	.3432E+00	.5675E+01	.7296E+02	.5091E+02	-.4943E+01	-.4505E+01	.3432E+00	.5675E+01	.7441E+02	-.6973E+02
-.1831E+00	.8212E+00	-.4959E+00	-.2060E+02	.7147E+02	-.1958E+02	-.1831E+00	.8212E+00	-.4959E+00	-.2060E+02	.6940E+02	-.2301E+02

## SQUARE ROOT SUM OF THE SQUARES

4548E+03 .4531E+03 .1868E+03 .1076E+05 .5702E+04 .1374E+05 .4548E+03 .4531E+03 .1868E+03 .1076E+05 .6068E+04 .1483E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .4618E+03 .4713E+03 .2009E+03 .1106E+05 .7600E+04 .1468E+05 .4618E+03 .4713E+03 .2009E+03 .1106E+05 .8151E+04 .1587E+05

## ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 13)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.6191E+02	.5831E+01	.1544E+02	-.3549E+04	.1452E+03	-.9431E+03	-.6191E+02	.5831E+01	.1544E+02	-.3549E+04	.1050E+04	-.1265E+04
.6752E+01	.3000E+00	-.2283E+01	.7385E+02	-.1135E+03	.1579E+03	.6752E+01	.3000E+00	-.2283E+01	.7385E+02	-.2474E+03	.1404E+03
.1433E+03	-.1326E+03	.1022E+03	-.6181E+04	.2803E+04	.8126E+04	.1433E+03	-.1326E+03	.1022E+03	-.6181E+04	.8795E+04	.1590E+05
-.9583E+00	.1646E+01	-.3072E+01	-.9637E+02	.7883E+02	-.3995E+03	-.9583E+00	.1646E+01	-.3072E+01	-.9637E+02	-.1013E+03	-.4960E+03
-.7685E-01	.6160E-02	-.4376E-01	-.9587E-01	-.2415E+01	-.9091E+00	-.7685E-01	.6160E-02	-.4376E-01	-.9587E-01	-.4992E+01	-.1270E+01
.3595E+02	-.2730E+03	-.7129E+02	.7792E+04	-.2176E+03	.6485E+04	.3595E+02	-.2730E+03	-.7129E+02	.7792E+04	-.4396E+04	.2084E+05
.4524E+01	.1341E+01	-.3970E+01	.4548E+02	-.2343E+03	.8135E+02	.4524E+01	.1341E+01	-.3978E+01	.4548E+02	-.5175E+03	.2748E+01
.1159E+00	.9954E-01	-.4081E-01	-.4870E+01	.5761E+01	.8785E+00	.1159E+00	.9954E-01	-.4081E-01	-.4870E+01	-.8353E+01	-.4956E+01
-.3380E+03	-.1224E+03	-.1834E+02	.1622E+04	.7299E+03	-.6177E+04	-.3380E+03	-.1224E+03	-.1834E+02	.1622E+04	-.3452E+03	.9950E+03
.4835E+01	.1090E+01	-.8583E+00	.7850E+02	-.4705E+03	.2409E+03	.4835E+01	.1090E+01	-.8583E+00	.7850E+02	-.5208E+03	.1770E+03
.7391E+02	.2114E+02	.4904E+00	-.9344E+03	-.1544E+04	-.9049E+03	.7391E+02	.2114E+02	.4904E+00	-.9344E+03	-.1515E+04	-.1029E+05
-.1230E+01	-.1121E+02	-.9194E+00	-.6317E+03	.2732E+04	-.6218E+03	-.1230E+01	-.1121E+02	-.9198E+00	-.6317E+03	.2678E+04	.3556E+02
.2616E+01	.1992E+01	.1917E+00	-.8203E+02	.2831E+03	.1815E+03	.2616E+01	.1992E+01	.1917E+00	-.8203E+02	.2943E+03	-.5251E+02
-.1525E+00	-.2452E+00	.1562E+01	.4765E+02	-.2374E+03	.1134E+02	-.1525E+00	-.2452E+00	.1562E+01	.4765E+02	-.1458E+03	.2572E+02
-.3690E+01	.9355E+00	-.1646E+02	-.2665E+03	.1149E+03	-.3692E+03	-.3690E+01	.9355E+00	-.1646E+02	-.2665E+03	.1847E+03	-.3141E+03
-.1396E+02	-.5085E+01	.3585E+01	-.1784E+02	-.5291E+03	-.8239E+03	-.1396E+02	-.5085E+01	.3585E+01	-.1784E+02	-.3189E+03	-.5658E+03
-.9060E+01	-.7299E+00	.4032E+02	.3134E+03	-.1552E+04	.5371E+02	-.9060E+01	-.7299E+00	.4032E+02	.3134E+03	.8117E+03	.9649E+02
-.3481E+02	-.8219E+01	.1062E+03	.1529E+03	-.2631E+04	.7427E+03	-.3481E+02	-.8219E+01	.1062E+03	.1529E+03	.3544E+04	.1224E+04
.1472E+02	.1518E+01	-.4459E+02	-.4877E+02	.1009E+04	-.3130E+03	.1472E+02	.1518E+01	-.4459E+02	-.4877E+02	-.1605E+04	-.4020E+03





-318E+03	-1224E+02	-1834E+02	-7299E+03	-6177E+04	-3380E+03	-1224E+03	-1834E+03	-1622E+04	-352E+03	-9950E+03
-4835E+01	-1090E+01	-8583E+00	-4705E+03	-2409E+03	-4835E+01	-1090E+01	-8583E+00	-7850E+02	-5208E+03	-1770E+03
-7391E+02	-2114E+02	-4904E+00	-9304E+03	-1544E+04	-9049E+03	-7391E+02	-2114E+02	-4904E+00	-9394E+03	-1515E+04
-305E+01	-1121E+02	-9194E+00	-6317E+03	-2732E+04	-6218E+03	-230E+01	-1121E+02	-9198E+00	-6317E+03	-2678E+04
-610E+01	-3992E+01	-1917E+00	-8203E+02	-2031E+03	-1815E+03	-2610E+01	-3992E+01	-1917E+00	-8203E+02	-2943E+03
-1525E+00	-2452E+00	-1562E+01	-4765E+02	-2374E+03	-1134E+02	-1525E+00	-2452E+00	-1562E+01	-4765E+02	-1458E+03
-3690E+01	-9395E+00	-1646E+02	-2605E+03	-1149E+04	-3692E+03	-3690E+01	-9395E+00	-1646E+02	-2605E+03	-1847E+03
-1390E+02	-5085E+01	-3585E+01	-1784E+02	-5291E+03	-8339E+03	-1390E+02	-5085E+01	-3585E+01	-1784E+02	-3189E+03
-6060E+01	-7299E+00	-4032E+02	-3134E+03	-1552E+04	-5371E+02	-6060E+01	-7299E+00	-4032E+02	-3134E+03	-8117E+03
-3481E+02	-8219E+01	-1062E+03	-1509E+03	-7031E+04	-7427E+03	-3481E+02	-8219E+01	-1062E+03	-1509E+03	-3594E+04
-1072E+02	-1510E+01	-4459E+02	-4877E+02	-1009E+04	-3130E+03	-1072E+02	-1510E+01	-4459E+02	-4877E+02	-1605E+04
-1269E+02	-7167E+01	-5220E+01	-1581E+03	-5101E+03	-4927E+03	-1269E+02	-7167E+01	-5220E+01	-1581E+03	-2041E+03
-1074E+02	-5156E+02	-8219E+02	-4695E+03	-2753E+03	-2069E+04	-1074E+02	-5156E+02	-8219E+02	-4695E+03	-2077E+04
-6031E+01	-4544E+02	-4072E+02	-8153E+03	-2136E+04	-1071E+04	-6031E+01	-4544E+02	-4072E+02	-8153E+03	-2505E+04
-2098E+01	-2936E+01	-2792E+02	-1143E+03	-3438E+03	-4614E+02	-2098E+01	-2936E+01	-2792E+02	-1143E+03	-1293E+04
-3814E+01	-6268E+00	-8067E+00	-2480E+01	-5089E+02	-3286E+03	-3814E+01	-6268E+00	-8067E+00	-2480E+01	-3584E+01
-0501E+01	-1757E+01	-2557E+00	-1684E+02	-1016E+01	-5472E+02	-6501E+01	-1757E+01	-2557E+00	-1684E+02	-1397E+02
-1737E+02	-2112E+02	-8006E+01	-2797E+02	-6307E+03	-1091E+04	-1737E+02	-2112E+02	-8006E+01	-2797E+02	-1123E+04
-1657E+00	-2304E+01	-3991E+00	-2797E+02	-6307E+03	-1091E+04	-1657E+00	-2304E+01	-3991E+00	-2797E+02	-1123E+04
-3620E+01	-1931E+01	-5852E+01	-4503E+02	-2693E+03	-1017E+03	-3620E+01	-1931E+01	-5852E+01	-4503E+02	-5371E+02
-1416E+02	-8762E+01	-1972E+02	-2059E+03	-7859E+03	-2588E+03	-1416E+02	-8762E+01	-1972E+02	-2059E+03	-3700E+03
-5592E+01	-2249E+01	-1718E+01	-1183E+00	-7441E+02	-6996E+02	-5592E+01	-2249E+01	-1718E+01	-1183E+00	-2630E+02
-1074E+01	-1584E+00	-3773E+01	-1811E+02	-6900E+02	-2453E+02	-1074E+01	-1584E+00	-3773E+01	-1811E+02	-1517E+03

SQUARE ROOT SLP CF THE SQUARES

3851E+03	3364E+03	1879E+03	1080E+05	6068E+04	1481E+05	3651E+03	3364E+03	1879E+03	1080E+05	1148E+05	2691E+05
CLOSELY SPACED MODE SUMMATION METHOD											
3912E+03	3474E+03	2417E+03	1100E+05	8151E+04	1589E+05	3912E+03	3474E+03	2417E+03	1100E+05	1303E+05	3017E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 14)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-6302E+02	-5831E+01	-9978E+01	-3424E+04	-1050E+04	-1590E+04	-6302E+02	-5831E+01	-9978E+01	-3424E+04	-1635E+04	-1932E+04
-6925E+01	-3000E+00	-1685E+01	-6132E+02	-2474E+03	-1463E+03	-6925E+01	-3000E+00	-1685E+01	-6132E+02	-3462E+03	-1287E+03
-1338E+03	-1326E+03	-1143E+03	-7545E+04	-8795E+04	-1530E+05	-1338E+03	-1326E+03	-1143E+03	-7545E+04	-1550E+05	-2307E+05
-6865E+00	-1646E+01	-3144E+01	-5272E+02	-1013E+03	-5025E+03	-6865E+00	-1646E+01	-3144E+01	-5272E+02	-2856E+03	-5990E+03
-7272E-01	-6160E-02	-5050E-01	-1536E-01	-4992E+01	-1274E+01	-7272E-01	-6160E-02	-5050E-01	-1536E-01	-7952E+01	-1635E+01
-4204E+02	-2730E+03	-6788E+02	-5956E+04	-4396E+04	-2129E+05	-4204E+02	-2730E+03	-6788E+02	-5956E+04	-8375E+04	-3730E+05
-4853E+01	-1341E+01	-3568E+01	-4506E+02	-5175E+03	-6706E+01	-4853E+01	-1341E+01	-3568E+01	-4506E+02	-7266E+03	-7169E+02
-1191E+00	-9954E-01	-3054E-01	-4418E+01	-8353E+01	-5363E+01	-1191E+00	-9954E-01	-3054E-01	-4418E+01	-1014E+02	-1120E+02
-3351E+03	-1224E+03	-4777E+02	-1529E+04	-3452E+03	-1133E+04	-3351E+03	-1224E+03	-4777E+02	-1529E+04	-3145E+04	-8305E+04
-4891E+01	-1090E+01	-4331E+00	-6275E+02	-4208E+03	-1831E+03	-4891E+01	-1090E+01	-4331E+00	-6275E+02	-5462E+03	-1142E+03
-7359E+02	-2114E+02	-6934E+01	-3799E+02	-1515E+04	-1033E+05	-7359E+02	-2114E+02	-6934E+01	-3799E+02	-1109E+04	-1157E+05
-1145E+01	-1121E+02	-1024E+01	-6324E+03	-2678E+04	-1971E+02	-1145E+01	-1121E+02	-1024E+01	-6324E+03	-2618E+04	-6377E+03
-2589E+01	-3992E+01	-4192E+00	-7713E+02	-2943E+03	-5947E+02	-2589E+01	-3992E+01	-4192E+00	-7713E+02	-3169E+03	-2935E+03
-2682E+00	-2452E+00	-1543E+01	-4522E+02	-1458E+03	-2978E+02	-2682E+00	-2452E+00	-1543E+01	-4522E+02	-5537E+02	-4415E+02
-7240E+01	-9395E+00	-1672E+02	-2320E+03	-1847E+03	-3356E+03	-7240E+01	-9395E+00	-1672E+02	-2320E+03	-7952E+03	-2805E+03
-1422E+02	-5085E+01	-2350E+01	-3335E+02	-3189E+03	-5451E+03	-1422E+02	-5085E+01	-2350E+01	-3335E+02	-1810E+03	-2870E+03
-9556E+01	-7299E+00	-3963E+02	-3038E+03	-8117E+03	-1235E+03	-9556E+01	-7299E+00	-3963E+02	-3038E+03	-3135E+04	-1603E+03
-4394E+02	-8219E+01	-1027E+03	-4304E+02	-3594E+04	-1233E+04	-4394E+02	-8219E+01	-1027E+03	-4304E+02	-9616E+04	-1715E+04
-1850E+02	-1518E+01	-4313E+02	-1351E+02	-1005E+04	-4047E+03	-1850E+02	-1518E+01	-4313E+02	-1351E+02	-4133E+04	-4937E+03
-1219E+02	-7167E+01	-6308E+01	-2372E+03	-7041E+03	-8955E+03	-1219E+02	-7167E+01	-6308E+01	-2372E+03	-1657E+03	-1316E+04
-1589E+02	-5156E+02	-3326E+02	-2327E+02	-2077E+04	-5114E+04	-1589E+02	-5156E+02	-3326E+02	-2327E+02	-4027E+04	-8136E+04
-9561E+01	-4544E+02	-4004E+02	-4513E+03	-2505E+03	-4191E+04	-9561E+01	-4544E+02	-4004E+02	-4513E+03	-2597E+04	-6855E+04
-3460E+00	-2936E+01	-2800E+02	-1029E+03	-1293E+04	-1355E+03	-3460E+00	-2936E+01	-2800E+02	-1029E+03	-2934E+04	-3076E+03
-3729E+01	-6268E+00	-1137E+01	-2796E+02	-3584E+01	-2905E+03	-3729E+01	-6268E+00	-1137E+01	-2796E+02	-6305E+02	-2538E+03
-6498E+01	-1757E+01	-3120E+00	-1256E+02	-1397E+02	-4959E+02	-6498E+01	-1757E+01	-3120E+00	-1256E+02	-4352E+01	-1526E+03
-1400E+02	-2112E+02	-6958E+01	-1506E+02	-1123E+04	-1487E+03	-1400E+02	-2112E+02	-6958E+01	-1506E+02	-1525E+04	-1387E+04
-1302E+00	-2304E+01	-4121E+00	-2630E+02	-9292E+02	-2035E+02	-1302E+00	-2304E+01	-4121E+00	-2630E+02	-1171E+03	-1554E+03
-4117E+01	-1931E+01	-5514E+01	-4063E+02	-5371E+02	-5221E+02	-4117E+01	-1931E+01	-5514E+01	-4063E+02	-3769E+03	-6101E+02
-1239E+02	-8762E+01	-2088E+02	-1828E+03	-3700E+03	-2719E+03	-1239E+02	-8762E+01	-2088E+02	-1828E+03	-1594E+04	-7855E+03
-5221E+01	-2249E+01	-2200E+01	-1749E+02	-2630E+02	-2010E+03	-5221E+01	-2249E+01	-2200E+01	-1749E+02	-1552E+03	-3328E+03
-7411E+00	-1584E+00	-3852E+01	-1509E+02	-1517E+03	-3527E+02	-7411E+00	-1584E+00	-3852E+01	-1509E+02	-3775E+03	-4455E+02

SQUARE ROOT SLP CF THE SQUARES

3809E+03	3364E+03	1962E+03	1036E+05	1148E+05	2907E+05	3809E+03	3364E+03	1962E+03	1036E+05	2211E+05	4745E+05
CLOSELY SPACED MODE SUMMATION METHOD											
3885E+03	3474E+03	2466E+03	1044E+05	1303E+05	3033E+05	3885E+03	3474E+03	2466E+03	1044E+05	2611E+05	4941E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 15)



SQUARE ROOT SUM OF THE SQUARES

09E+03 .3304E+03 .1962E+03 .1036E+05 .1148E+05 .2907E+05 .809E+03 .3364E+03 .1962E+03 .1036E+05 .2211E+05 .4745E+05  
CLOSELY SPACED MODE SUMMATION METHOD  
.3885E+03 .3474E+03 .2466E+03 .1044E+05 .1303E+05 .3033E+05 .3885E+03 .3474E+03 .2466E+03 .1044E+05 .2617E+05 .4941E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER : 15)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.6054E+02	-.7962E+00	.3238E+01	-.3242E+04	.1635E+04	-.2223E+04	-.6054E+02	-.7962E+00	.3238E+01	-.3242E+04	.1825E+04	-.2176E+04
.6318E+01	.6710E+00	-.3147E+00	.4968E+02	-.3462E+03	.1335E+03	.6318E+01	.6710E+00	-.3147E+00	.4968E+02	-.3462E+03	.9420E+02
.9492E+02	.5723E+02	-.1625E+02	-.9526E+04	.1550E+05	.2232E+05	.9492E+02	.5723E+02	-.1625E+02	-.9526E+04	.1455E+05	.1897E+05
.1339E+01	-.1330E+01	-.9277E+00	-.3446E+00	-.2856E+03	-.6013E+03	.1339E+01	-.1330E+01	-.9277E+00	-.3446E+00	-.3400E+03	-.5233E+03
-.6569E-01	-.2925E-02	.5182E-02	.1577E+00	-.7952E+01	-.1627E+01	-.6569E-01	-.2925E-02	.5182E-02	.1577E+00	-.7650E+01	-.1456E+01
-.3033E-02	.9743E+01	.6176E+01	.2685E+04	-.8375E+04	.3768E+05	-.3933E+02	.9743E+01	.6176E+01	.2685E+04	-.8013E+04	.3710E+05
.3146E+01	.2790E+00	.1630E+01	.5116E+02	-.7266E+03	-.6770E+02	.3146E+01	.2790E+00	.1630E+01	.5116E+02	-.6311E+03	-.8405E+02
.1654E+00	-.3127E-01	.3940E-01	-.3426E+01	-.1014E+02	-.1154E+02	.1654E+00	-.3127E-01	.3940E-01	-.3426E+01	-.7834E+01	-.9707E+01
-.2770E+03	-.3221E+02	-.1358E+02	.7999E+03	-.3145E+04	.8407E+04	-.2770E+03	-.3221E+02	-.1358E+02	.7999E+03	-.3941E+04	.1029E+05
-.3365E+01	.1394E+01	.7758E+01	.5213E+02	-.5462E+03	.1243E+03	-.3365E+01	.1394E+01	.7758E+01	.5213E+02	-.9139E+02	.4254E+02
.5312E+02	-.1891E+03	.1942E+02	.9699E+03	-.1109E+04	-.1153E+05	.5312E+02	-.1891E+03	.1942E+02	.9699E+03	.3001E+02	-.4427E+03
.4031E+00	-.1713E+01	-.4403E+02	-.6855E+03	.2012E+04	.5601E+03	.4931E+00	-.1713E+01	-.4403E+02	-.6855E+03	.3656E+02	.6806E+03
.2161E+01	.1183E+01	-.4717E+01	-.5127E+02	.3180E+03	-.2991E+03	.2161E+01	.1183E+01	-.4717E+01	-.5127E+02	.4240E+02	-.3664E+03
-.1588E+01	-.1395E+00	.3840E+01	.4120E+02	-.5537E+02	.4793E+02	-.1588E+01	-.1395E+00	.3840E+01	.4120E+02	.1697E+03	.5611E+02
.4146E+01	-.2208E+01	-.1623E+02	-.2067E+03	-.7952E+03	-.2997E+03	.4146E+01	-.2208E+01	-.1623E+02	-.2067E+03	-.1746E+04	-.1703E+03
-.1331E+02	-.8773E+01	.4358E+01	.5823E+02	-.1810E+03	-.2830E+03	-.1331E+02	-.8773E+01	.4358E+01	.5823E+02	.7452E+02	.2312E+03
-.1260E+02	.1379E+01	.5000E+01	.2881E+03	.3135E+04	.1921E+03	-.1260E+02	.1379E+01	.5000E+01	.2881E+03	.3428E+04	.1112E+03
-.4098E+02	.2446E+02	-.2246E+02	-.1061E+03	.9616E+04	.1712E+04	-.4098E+02	.2446E+02	-.2246E+02	-.1061E+03	.8300E+04	.2780E+03
.2121E+02	-.9434E+01	.1175E+02	.2955E+02	-.4133E+04	-.4930E+03	.2121E+02	-.9434E+01	.1175E+02	.2955E+02	-.3444E+04	.6008E+02
.9515E+01	-.2140E+02	.5922E+01	.3508E+03	.1657E+03	-.1290E+04	.9515E+01	-.2140E+02	.5922E+01	.3508E+03	.5128E+03	-.3523E+02
-.1832E+02	.1017E+03	.3562E+02	-.0855E+03	-.4027E+04	.8107E+04	-.1832E+02	.1017E+03	.3562E+02	-.0855E+03	.1939E+04	.2145E+04
.1455E+02	-.7519E+02	-.4858E+01	.1475E+03	-.2597E+03	-.6868E+04	.1455E+02	-.7519E+02	-.4858E+01	.1475E+03	-.2882E+04	-.2461E+04
.3577E+01	.1350E+01	-.2879E+02	.7571E+02	.2930E+04	.3153E+03	.3577E+01	.1350E+01	-.2879E+02	.7571E+02	.1247E+04	.2362E+03
.4681E+01	.7303E+01	-.3792E+00	-.4994E+02	.6305E+02	.2504E+03	.4681E+01	.7303E+01	-.3792E+00	-.4994E+02	.4082E+02	-.1777E+03
-.1047E+02	.1616E+01	.3591E+00	-.7869E+00	-.4352E+01	.1531E+03	-.1047E+02	.1616E+01	.3591E+00	-.7869E+00	.1670E+02	.5841E+02
-.2025E+01	.1082E+02	-.2860E+02	-.1058E+03	.1525E+04	.1383E+04	-.2025E+01	.1082E+02	-.2860E+02	-.1058E+03	-.1512E+03	.7463E+03
-.2956E+01	-.9572E+00	-.2453E+01	-.1264E+02	.1171E+03	-.1571E+03	-.2956E+01	-.9572E+00	-.2453E+01	-.1264E+02	-.2675E+02	-.1010E+03
.9306E+01	.3386E+00	-.2672E+01	-.4574E+02	-.3769E+03	.5724E+02	.9306E+01	.3386E+00	-.2672E+01	-.4574E+02	-.2203E+03	.3743E+02
.4065E+02	.7895E+01	-.1847E+02	.1137E+03	.1594E+04	.7985E+03	.4065E+02	.7895E+01	-.1847E+02	.1137E+03	.5114E+03	.3357E+03
-.6247E+01	.7411E+01	.2044E+01	-.4642E+02	-.1552E+03	.3301E+03	-.6247E+01	.7411E+01	.2044E+01	-.4642E+02	-.3542E+02	-.1044E+03
-.3445E+01	-.8232E+00	.6492E+01	-.1115E+02	-.3775E+03	-.4570E+02	-.3445E+01	-.8232E+00	.6492E+01	-.1115E+02	.3009E+01	.2501E+01

SQUARE ROOT SUM OF THE SQUARES

.2730E+03 .2402E+03 .8508E+02 .1055E+05 .2211E+05 .4741E+05 .2730E+03 .2402E+03 .8508E+02 .1055E+05 .2013E+05 .4313E+05  
CLOSELY SPACED MODE SUMMATION METHOD  
.2861E+03 .2827E+03 .1092E+03 .1067E+05 .2617E+05 .4934E+05 .2861E+03 .2827E+03 .1092E+03 .1067E+05 .2359E+05 .4357E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 16)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.6059E+02	-.7962E+00	-.1965E+01	-.3044E+04	.1825E+04	-.2446E+04	-.6059E+02	-.7962E+00	-.1965E+01	-.3044E+04	.1710E+04	-.2399E+04
.6322E+01	.6710E+00	.2283E+00	.4162E+02	-.3646E+03	.9813E+02	.6322E+01	.6710E+00	.2283E+00	.4162E+02	-.3513E+03	.5682E+02
.9597E+02	.5723E+02	-.8047E+01	-.1112E+05	.1455E+05	.1808E+05	.9597E+02	.5723E+02	-.8047E+01	-.1112E+05	.1407E+05	.1473E+05
.1414E+01	-.1330E+01	-.8095E+00	.4454E+02	-.3400E+03	-.5214E+03	.1414E+01	-.1330E+01	-.8095E+00	.4454E+02	-.3874E+03	-.4435E+03
-.6589E-01	-.2925E-02	-.4897E-03	.2824E+00	-.7650E+01	-.1437E+01	-.6589E-01	-.2925E-02	-.4897E-03	.2824E+00	-.7678E+01	-.1266E+01
-.3971E+02	.9743E+01	.2781E+01	.5067E+03	-.8013E+04	.3720E+05	-.3971E+02	.9743E+01	.2781E+01	.5067E+03	-.7851E+04	.3663E+05
.2990E+01	.2790E+00	.1894E+01	.5817E+02	-.6311E+03	-.7935E+02	.2990E+01	.2790E+00	.1894E+01	.5817E+02	-.5201E+03	-.9569E+02
.1016E+00	-.3127E-01	.4829E-01	-.2581E+01	-.7834E+01	-.9905E+01	.1016E+00	-.3127E-01	.4829E-01	-.2501E+01	-.5006E+01	-.8134E+01
-.2250E+03	-.3221E+02	-.3300E+02	-.8592E+02	-.3941E+04	.1033E+05	-.2250E+03	-.3221E+02	-.3300E+02	-.8592E+02	-.5874E+04	.1221E+05
-.4018E+01	.1394E+01	.7441E+01	.4829E+02	-.9139E+02	.4685E+02	-.4018E+01	.1394E+01	.7441E+01	.4829E+02	.3444E+03	-.3479E+02
.5126E+02	-.1891E+03	.2391E+02	.1004E+04	.3901E+02	-.3579E+03	.5126E+02	-.1891E+03	.2391E+02	.1004E+04	.1430E+04	.1072E+05
.4267E+01	-.1713E+01	-.4382E+02	-.7414E+03	.3056E+02	.6193E+03	.4267E+01	-.1713E+01	-.4382E+02	-.7414E+03	-.2530E+04	.1746E+03
.2557E+01	.1183E+01	-.4514E+01	-.1949E+02	.4240E+02	-.3715E+03	.2557E+01	.1183E+01	-.4514E+01	-.1949E+02	-.2220E+03	-.4407E+03
-.1912E+01	-.1395E+00	.3689E+01	.3624E+02	.1697E+03	.5943E+02	-.1912E+01	-.1395E+00	.3689E+01	.3624E+02	.3858E+03	.6761E+02
.5524E+01	-.2208E+01	-.1581E+02	-.1914E+03	-.1874E+03	.5524E+01	-.2208E+01	-.1581E+02	-.1914E+03	-.1874E+03	-.2672E+04	-.5804E+02
-.1364E+02	-.8773E+01	.3200E+01	.3818E+02	.7452E+02	.2354E+03	-.1364E+02	-.8773E+01	.3200E+01	.3818E+02	.2620E+03	.7492E+03
-.1296E+02	.1379E+01	.3901E+01	.2775E+03	.3428E+04	.1355E+03	-.1296E+02	.1379E+01	.3901E+01	.2775E+03	.3657E+04	.5478E+02
-.4787E+02	.2446E+02	-.2666E+02	-.1295E+03	.8306E+04	.2679E+03	-.4787E+02	.2446E+02	-.2666E+02	-.1295E+03	.6738E+04	-.1165E+04
.2012E+02	-.9434E+01	.1353E+02	.2429E+02	-.3444E+04	.6238E+02	.2012E+02	-.9434E+01	.1353E+02	.2429E+02	-.2652E+04	.6150E+03
.6972E+01	-.2140E+02	.6716E+01	.3526E+03	.5126E+03	-.5015E+01	.6972E+01	-.2140E+02	.6716E+01	.3526E+03	.9062E+03	.1249E+04
-.2136E+02	.1017E+03	.3392E+02	-.8670E+03	-.1939E+04	.2079E+04	-.2136E+02	.1017E+03	.3392E+02	-.8670E+03	.4791E+02	-.3818E+04
.1491E+02	-.7519E+02	-.3593E+01	.3580E+03	-.2882E+04	-.2439E+04	.1491E+02	-.7519E+02	-.3593E+01	.3580E+03	-.3093E+04	.1965E+04



-.077E+01	-.1713E+01	-.4382E+02	-.414E+03	.365E+02	.6193E+03	.4267E+01	-.1773E+01	-.4382E+02	-.7414E+03	-.2530E+04	.7196E+03
-.257E+01	-.1183E+01	-.4514E+01	-.449E+02	.4240E+02	-.3715E+03	.2557E+01	-.1183E+01	-.4514E+01	-.1949E+02	-.220E+03	-.4407E+03
-.1012E+01	-.1395E+00	.3689E+01	.3624E+02	.1697E+03	.5943E+02	.1912E+01	-.1395E+00	.3689E+01	.3624E+02	.3858E+03	.6761E+02
-.524E+01	-.2208E+01	-.1581E+02	-.1914E+03	-.1746E+04	-.1874E+03	.5524E+01	-.2208E+01	-.1581E+02	-.1914E+03	-.2672E+04	-.5804E+03
.1364E+02	-.8773E+01	.3200E+01	.3814E+02	.7452E+02	.2354E+03	.1364E+02	-.8773E+01	.3200E+01	.3814E+02	.2620E+03	.7492E+03
-.1296E+02	.1379E+01	.3901E+01	.2775E+03	.3428E+04	.1355E+03	-.1278E+02	.1379E+01	.3901E+01	.2775E+03	.3657E+04	.5478E+02
-.4787E+02	.2446E+02	-.2666E+02	-.1295E+03	.8300E+04	.2679E+03	-.4787E+02	.2446E+02	-.2666E+02	-.1295E+03	.6738E+04	-.1165E+04
.2012E+02	-.9434E+01	.1353E+02	.2429E+02	-.3444E+04	.6238E+02	.2012E+02	-.9434E+01	.1353E+02	.2429E+02	-.2652E+04	.6150E+03
.6072E+01	-.2140E+02	.6713E+01	.3526E+03	.5128E+03	-.5015E+01	.8972E+01	-.2140E+02	.6713E+01	.3526E+03	.9062E+03	.1249E+04
-.2130E+02	.1017E+03	.3392E+02	-.8670E+03	-.1939E+04	.2079E+04	-.2130E+02	.1017E+03	.3392E+02	-.8670E+03	.4791E+02	-.3878E+04
.1491E+02	-.7519E+02	-.3593E+01	.3580E+03	-.2882E+04	-.2439E+04	.1491E+02	-.7519E+02	-.3593E+01	.3580E+03	-.3093E+04	.1965E+04
.6032E+01	.1350E+01	-.2837E+02	.5517E+02	.1247E+04	.2418E+03	.6032E+01	.1350E+01	-.2837E+02	.5517E+02	-.4152E+03	.1628E+03
-.606E+01	.7303E+01	.2359E+01	-.3452E+02	.4082E+02	-.1813E+03	.4696E+01	.7303E+01	.2359E+01	-.3452E+02	.4221E+02	-.6090E+03
-.1046E+02	.1616E+01	-.5397E+00	-.5787E+01	.1670E+02	.5817E+02	-.1046E+02	.1616E+01	-.5397E+00	-.5787E+01	-.1491E+02	-.3651E+02
.3627E+01	.1082E+02	-.2870E+02	.1656E+03	-.1512E+03	.7305E+03	.3627E+01	.1082E+02	-.2870E+02	.1656E+03	-.1832E+03	.1026E+03
-.2735E+01	-.5572E+00	-.2698E+01	-.3952E+01	-.2675E+02	-.1017E+03	-.2735E+01	-.5572E+00	-.2698E+01	-.3952E+01	-.1848E+03	-.4567E+02
.9442E+01	.336E+00	.3460E+01	-.4663E+02	-.2203E+03	.336E+02	.9442E+01	.336E+00	.3460E+01	-.4663E+02	-.1762E+02	.1357E+02
.4209E+02	.7895E+01	-.1491E+02	.8452E+02	.5114E+03	.3442E+03	.4209E+02	.7895E+01	-.1491E+02	.8452E+02	-.3621E+03	-.1182E+03
-.6399E+01	.7411E+01	.1501E+01	-.3730E+02	-.3542E+02	-.1080E+03	-.6399E+01	.7411E+01	.1501E+01	-.3730E+02	.5248E+02	-.5420E+03
-.3689E+01	-.8232E+00	.6172E+01	-.1133E+02	.3009E+01	.1595E+01	-.3689E+01	-.8232E+00	.6172E+01	-.1133E+02	.3645E+03	.4981E+02

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.2716E+03	.2402E+03	.8966E+02	.1166E+05	.2013E+05	.4284E+05	.2716E+03	.2402E+03	.8966E+02	.1166E+05	.1984E+05	.4304E+05
CLOSELY SPACED MODE SUMMATION METHOD											
.2854E+03	.2627E+03	.1149E+03	.1183E+05	.2359E+05	.4327E+05	.2854E+03	.2627E+03	.1149E+03	.1183E+05	.2269E+05	.4380E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 17)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.5666E+02	-.7702E+01	-.9462E+01	-.2820E+04	.1710E+04	-.2659E+04	-.5666E+02	-.7702E+01	-.9462E+01	-.2820E+04	.1155E+04	-.2208E+04
.5432E+01	.9665E+00	.1256E+01	.3625E+02	-.3513E+03	.6227E+02	.5432E+01	.9665E+00	.1256E+01	.3625E+02	-.2776E+03	.5613E+01
.9072E+02	.2159E+03	-.1261E+03	-.1238E+05	.1407E+05	.1369E+05	.9072E+02	.2159E+03	-.1261E+03	-.1238E+05	.6679E+04	.1031E+04
.2730E+01	-.4180E+01	.2324E+01	.8360E+02	-.3874E+03	-.4379E+03	.2730E+01	-.4180E+01	.2324E+01	.8360E+02	-.2511E+03	-.1928E+03
-.7449E+01	-.1216E-01	.5814E-01	.3928E+00	-.7672E+01	-.1236E+01	-.7449E+01	-.1216E-01	.5814E-01	.3928E+00	-.4270E+01	-.5227E+00
-.1388E+03	.2986E+03	.5931E+02	-.3745E+04	.7851E+04	.3644E+05	-.1388E+03	.2986E+03	.5931E+02	-.3745E+04	-.4373E+04	.1893E+05
.3372E+00	-.9799E+00	.3647E+01	.6641E+02	-.5201E+03	-.9017E+02	.3372E+00	-.9799E+00	.3647E+01	.6641E+02	-.3063E+04	-.3272E+02
.7442E-01	-.1633E+00	.4054E-01	-.1852E+01	.5006E+01	-.8330E+01	.7442E-01	-.1633E+00	.4054E-01	-.1852E+01	-.2629E+01	.1243E+01
-.1310E+03	.8245E+02	.3567E+02	-.1166E+04	-.5874E+04	.1216E+05	-.1310E+03	.8245E+02	.3567E+02	-.1166E+04	-.3783E+04	.7323E+04
-.1302E+02	.2119E+00	.4920E+01	.5114E+02	.3444E+03	-.3038E+02	-.1302E+02	.2119E+00	.4920E+01	.5114E+02	.6329E+03	-.4280E+02
.3134E+02	-.1866E+03	.4923E+01	.5214E+02	.1430E+04	.1077E+05	.3134E+02	-.1866E+03	.4923E+01	.5214E+02	.1719E+04	.2179E+05
.8054E+01	.1920E+02	-.1715E+02	-.8021E+03	-.2530E+04	.6512E+03	.8054E+01	.1920E+02	-.1715E+02	-.8021E+03	-.3536E+04	-.4743E+03
.2502E+01	-.5283E+01	-.2283E+01	.1958E+02	-.2220E+03	-.4407E+03	.2502E+01	-.5283E+01	-.2283E+01	.1958E+02	-.3588E+02	-.1310E+03
-.2888E+01	.2561E+00	-.6055E+00	.3012E+02	.3658E+03	.7055E+02	-.2888E+01	.2561E+00	-.6055E+00	.3012E+02	.3503E+03	.5553E+02
.6814E+01	.3600E+00	.1776E+02	-.1855E+03	-.2672E+04	-.7475E+02	.6814E+01	.3600E+00	.1776E+02	-.1855E+03	-.1631E+04	-.9585E+02
-.1232E+02	.3696E+01	.5123E-01	-.2824E+02	.2020E+03	.7496E+03	-.1232E+02	.3696E+01	.5123E-01	-.2824E+02	.2650E+03	.5329E+03
-.2839E+01	.4288E+00	-.4847E+02	.2716E+03	.3657E+04	.7911E+02	-.2839E+01	.4288E+00	-.4847E+02	.2716E+03	.8150E+03	.5397E+02
-.1035E+02	.6403E-01	-.1247E+03	-.2598E+02	.6736E+04	-.1172E+04	-.1035E+02	.6403E-01	-.1247E+03	-.2598E+02	-.5702E+03	-.1176E+04
.8267E+01	.1605E+01	.5212E+02	-.3021E+02	-.2052E+04	.6147E+03	.8267E+01	.1605E+01	.5212E+02	-.3021E+02	.4039E+03	.5206E+03
.8319E+01	-.3884E+00	-.8731E+01	.2407E+03	.9062E+03	.1275E+04	.8319E+01	-.3884E+00	-.8731E+01	.2407E+03	.3944E+03	.1298E+04
-.3293E+02	.2005E+02	.3263E+02	-.5205E+03	.4791E+02	-.3939E+04	-.3293E+02	.2005E+02	.3263E+02	-.5205E+03	.1961E+04	-.5115E+04
.5673E+01	-.2135E+02	.5059E+02	.1827E+03	-.3093E+04	.1989E+04	.5673E+01	-.2135E+02	.5059E+02	.1827E+03	.1269E+03	.3241E+04
.1691E+02	.2926E+01	-.1897E+02	.4056E+02	-.4152E+03	.1670E+03	.1691E+02	.2926E+01	-.1897E+02	.4056E+02	-.1527E+04	-.4525E+01
.5722E+01	-.4512E+01	-.1171E+01	.1949E+02	.9221E+02	-.6077E+03	.5722E+01	-.4512E+01	-.1171E+01	.1949E+02	-.2646E+02	-.3451E+03
-.1381E+02	.6981E+00	.4830E+00	-.2535E+01	-.1491E+02	-.3688E+02	-.1381E+02	.6981E+00	.4830E+00	-.2535E+01	.1341E+02	-.7780E+02
.1447E+02	.1369E+02	.1511E+02	-.1780E+03	-.1472E+04	.8719E+02	.1447E+02	.1369E+02	.1511E+02	-.1780E+03	-.9465E+03	-.7150E+03
-.5839E+01	-.1658E+01	.2026E+01	.1037E+00	-.1848E+03	-.4584E+02	-.5839E+01	-.1658E+01	.2026E+01	.1037E+00	-.6597E+02	.5136E+02
.1193E+02	.1722E+01	.3213E+01	-.4984E+02	-.1762E+02	.9195E+01	.1193E+02	.1722E+01	.3213E+01	-.4984E+02	.1707E+03	.9177E+02
.7069E+02	.1695E+01	-.7634E+01	.9464E+02	-.3621E+03	-.1103E+03	.7069E+02	.1695E+01	-.7634E+01	.9464E+02	-.8096E+03	-.2097E+03
-.6007E+01	-.6509E+01	.3515E+00	.1079E+02	.5248E+02	-.5432E+03	-.6007E+01	-.6509E+01	.3515E+00	.1079E+02	.7308E+02	-.1563E+03
-.6163E+01	.9049E+00	-.4091E+01	-.1569E+02	.3645E+03	.9462E+02	-.6163E+01	.9049E+00	-.4091E+01	-.1569E+02	.1247E+03	-.4437E+01

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.2387E+03	.4237E+03	.2155E+03	.1333E+05	.1984E+05	.4255E+05	.2387E+03	.4237E+03	.2155E+03	.1333E+05	.1037E+05	.3056E+05
CLOSELY SPACED MODE SUMMATION METHOD											
.2538E+03	.4364E+03	.2790E+03	.1345E+05	.2269E+05	.4329E+05	.2538E+03	.4364E+03	.2790E+03	.1345E+05	.1165E+05	.3175E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 18)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.5562E+02	-.7702E+01	-.1437E+02	-.2616E+04	.1155E+04	-.2445E+04	-.5562E+02	-.7702E+01	-.1437E+02	-.2616E+04	.3127E+03	-.1994E+04
.5302E+01	.9665E+00	.1725E+01	.3562E+02	-.2776E+03	.8754E+01	.5302E+01	.9665E+00	.1725E+01	.3562E+02	-.1765E+03	-.4791E+02



2.257E+03 .4237E+03 .2155E+03 .333E+05 .198E+05 .4255E+05 .2387E+03 .427E+03 .2155E+03 .133E+05 .037E+05 .3056E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .2538E+03 .4364E+03 .2770E+03 .1345E+05 .2269E+05 .4329E+05 .2538E+03 .4364E+03 .2770E+03 .1345E+05 .2269E+05 .4329E+05

ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 18 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-5562E+02	-7702E+01	-1437E+02	-2616E+04	.1155E+04	-2445E+04	-5562E+02	-7702E+01	-1437E+02	-2616E+04	.3127E+03	-1994E+04
.5102E+01	.9665E+00	.1725E+01	.3562E+02	-2770E+03	.875E+01	.5302E+01	.9665E+00	.1725E+01	.3562E+02	-1765E+03	-4791E+02
.1014E+03	.2159E+03	-1177E+03	-1242E+05	.6679E+04	-5310E+02	.1014E+03	.2159E+03	-1177E+03	-1242E+05	-2243E+03	-1271E+05
.2517E+01	.4180E+01	.2554E+01	.1001E+03	-2511E+03	-1848E+03	.2517E+01	.4180E+01	.2554E+01	.1001E+03	-1014E+03	.6030E+02
-.7928E-01	-.1216E-01	.5142E-01	.4364E+00	-.4270E+01	.4864E+00	-.7928E-01	-.1216E-01	.5142E-01	.4364E+00	-.1255E+01	.2267E+00
-.1435E+03	.2986E+03	.4698E+02	.5382E+04	-.4373E+04	.1853E+05	-.1435E+03	.2986E+03	.4698E+02	.5382E+04	-.1619E+04	.1026E+04
.1772E-01	-.9799E+00	.3663E+01	.6901E+02	-.3063E+03	-.2680E+02	.1772E-01	-.9799E+00	.3663E+01	.6901E+02	-.9155E+02	.3065E+02
.7558E-01	-.1433E+00	.4732E-01	-.1953E+01	-.2629E+01	.1077E+01	.7558E-01	-.1433E+00	.4732E-01	-.1953E+01	.1451E+00	.1065E+02
-.1336E+03	.8245E+02	.2411E+02	-.1800E+04	-.3783E+04	.7193E+04	-.1336E+03	.8245E+02	.2411E+02	-.1800E+04	-.2309E+04	.2359E+04
-.1340E+02	.2119E+00	.3766E+01	.5472E+02	.6329E+03	-.3818E+02	-.1340E+02	.2119E+00	.3766E+01	.5472E+02	.8536E+03	-.5006E+02
.3079E+02	-.1880E+03	.7638E+01	-.1849E+04	.1719E+04	.2171E+05	.3079E+02	-.1880E+03	.7638E+01	-.1849E+04	.2167E+04	.3273E+05
.9519E+01	.1920E+02	-.1638E+02	-.7577E+03	-.3536E+04	-.5425E+03	.9519E+01	.1920E+02	-.1638E+02	-.7577E+03	-.4496E+04	-.1668E+04
.2691E+01	-.5283E+01	-.2056E+01	.3093E+02	-.3558E+03	-.1268E+03	.2691E+01	-.5283E+01	-.2056E+01	.3093E+02	-.4763E+03	.1810E+03
-.2824E+01	.2561E+00	-.8551E+00	.2516E+02	.3593E+03	.5795E+02	-.2824E+01	.2561E+00	-.8551E+00	.2516E+02	.3002E+03	.4293E+02
.5238E+01	.3600E+00	.1829E+02	-.1764E+03	-.1631E+04	-.1117E+03	.5238E+01	.3600E+00	.1829E+02	-.1764E+03	-.5588E+03	-.1328E+03
-.1227E+02	.3696E+01	-.1023E+01	-.7462E+02	.2650E+03	.5284E+03	-.1227E+02	.3696E+01	-.1023E+01	-.7462E+02	.2049E+03	.3117E+03
.1300E+01	.4288E+00	-.4854E+02	.2658E+03	.8150E+03	.7746E+02	.1300E+01	.4288E+00	-.4854E+02	.2658E+03	-.2031E+04	.5232E+02
-.8396E+01	.6403E-01	-.1259E+03	.7668E+02	-.5702E+03	-.1173E+04	-.8396E+01	.6403E-01	-.1259E+03	.7668E+02	-.7950E+04	-.1177E+04
.3689E+01	.1605E+01	.5264E+02	.5264E+02	.5160E+03	.3689E+01	.3689E+01	.1605E+01	.5264E+02	.5264E+02	.3490E+04	.4219E+03
.9049E+01	-.3884E+00	-.7972E+01	.1266E+03	.3744E+03	-.1314E+04	.9049E+01	-.3884E+00	-.7972E+01	.1266E+03	-.7301E+02	.1336E+04
-.3565E+02	.2005E+02	.2963E+02	-.7234E+02	.1461E+04	-.5141E+04	-.3565E+02	.2005E+02	.2963E+02	-.7234E+02	.2857E+04	.4496E+04
.1258E+01	-.2135E+02	.5089E+02	-.1007E+03	-.1269E+03	.3244E+04	.1258E+01	-.2135E+02	.5089E+02	-.1007E+03	-.2549E+04	-.1725E+03
.1850E+02	.2926E+01	-.1742E+02	.4080E+02	-.1527E+04	-.9699E+00	.1850E+02	.2926E+01	-.1742E+02	.4080E+02	-.6559E+02	-.7757E+02
.5803E+01	-.4512E+01	-.6675E+00	.4952E+02	-.2046E+02	-.3421E+03	.5803E+01	-.4512E+01	-.6675E+00	.4952E+02	-.2900E+02	-.1107E+03
-.1380E+02	.6981E+00	-.7233E+00	.4262E+01	.1341E+02	-.7772E+02	-.1380E+02	.6981E+00	-.7233E+00	.4262E+01	-.2900E+02	-.1107E+03
.1310E+02	.1369E+02	.1632E+02	-.1149E+03	-.9465E+03	-.7284E+03	.1310E+02	.1369E+02	.1632E+02	-.1149E+03	.1006E+02	-.1531E+04
-.5993E+01	-.1658E+01	.1509E+01	.4377E+01	-.6597E+02	.5118E+02	-.5993E+01	-.1658E+01	.1509E+01	.4377E+01	.2252E+02	.1464E+03
.1160E+02	.1722E+01	.4241E+01	-.4164E+02	.1707E+03	-.9577E+02	.1160E+02	.1722E+01	.4241E+01	-.4164E+02	.4194E+03	-.1967E+03
.7108E+02	.1695E+01	-.1438E+01	.1126E+03	-.8096E+03	-.2006E+03	.7108E+02	.1695E+01	-.1438E+01	.1126E+03	-.8939E+03	.3000E+03
-.6412E+01	-.6599E+01	-.2524E+00	.2439E+02	.7398E+02	-.1548E+03	-.6412E+01	-.6599E+01	-.2524E+00	.2439E+02	.5828E+02	.2321E+03
-.5782E+01	.9049E+00	-.4613E+01	-.1524E+02	.1247E+03	-.5789E+01	-.5782E+01	.9049E+00	-.4613E+01	-.1524E+02	-.1457E+03	-.5864E+02

SQUARE ROOT SUM OF THE SQUARES  
 .2405E+03 .4237E+03 .2066E+03 .1405E+05 .1037E+05 .3023E+05 .2465E+03 .4237E+03 .2066E+03 .1405E+05 .1198E+05 .3622E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .2598E+03 .4364E+03 .2720E+03 .1428E+05 .1165E+05 .3147E+05 .2598E+03 .4364E+03 .2720E+03 .1428E+05 .1682E+05 .3878E+05

ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 19 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.5022E+02	-.1046E+02	-.2107E+02	-.2433E+04	.3127E+03	-.2214E+04	-.5022E+02	-.1046E+02	-.2107E+02	-.2433E+04	-.9226E+03	-.1601E+04
.4298E+01	.1072E+01	.1787E+01	.3966E+02	-.1765E+03	-.4463E+02	.4298E+01	.1072E+01	.1787E+01	.3966E+02	-.7171E+02	-.1075E+03
.1206E+03	.2746E+03	-.1803E+03	-.1127E+05	-.2243E+03	-.1374E+05	.1206E+03	.2746E+03	-.1803E+03	-.1127E+05	-.1079E+05	-.2965E+05
.3069E+01	-.5303E+01	.5230E+01	.9447E+02	-.1014E+03	.6878E+02	.3069E+01	-.5303E+01	.5230E+01	.9447E+02	.2052E+03	.3797E+03
-.1003E+00	-.1589E-01	.8302E-01	.4155E+00	-.1255E+01	.2638E+00	-.1003E+00	-.1589E-01	.8302E-01	.4155E+00	.3612E+01	.1195E+01
-.2507E+03	.4176E+03	.4695E+02	-.5451E+04	-.1619E+04	.5538E+03	-.2507E+03	.4176E+03	.4695E+02	-.5451E+04	.1134E+04	-.2933E+05
-.2257E+01	-.1525E+01	-.1127E+01	.0608E+02	-.9155E+02	.3654E+02	-.2257E+01	-.1525E+01	-.1127E+01	.0608E+02	-.1576E+03	.1260E+03
.6094E-01	-.2183E+00	-.7053E-01	-.2873E+01	.1451E+00	.1044E+02	.6094E-01	-.2183E+00	-.7053E-01	-.2873E+01	.3990E+01	.3687E+02
-.5732E+02	.1344E+03	.8656E+02	-.1995E+04	-.2369E+04	-.2194E+04	-.5732E+02	.1344E+03	.8656E+02	-.1995E+04	.2706E+04	-.5687E+04
-.2673E+02	-.5030E+00	-.5106E+01	.5891E+02	.8536E+03	-.4564E+02	-.2673E+02	-.5030E+00	-.5106E+01	.5891E+02	.5543E+03	-.1615E+02
.1778E+02	-.1683E+03	-.2485E+02	-.4690E+04	.2167E+04	.3244E+05	.1778E+02	-.1683E+03	-.2485E+02	-.4690E+04	.7097E+03	.4231E+05
.1174E+01	.3120E+02	.4320E+02	-.6696E+03	-.4496E+04	-.1174E+01	.1174E+01	.3120E+02	.4320E+02	-.6696E+03	-.1958E+04	-.3592E+04
.1426E+01	-.9206E+01	.4193E+01	.1566E+02	-.4763E+03	.1830E+03	.1426E+01	-.9206E+01	.4193E+01	.1566E+02	-.2305E+03	.7227E+03
-.2641E+01	.5300E+00	-.4411E+01	.2133E+02	.3002E+03	.4496E+02	-.2641E+01	.5300E+00	-.4411E+01	.2133E+02	.4156E+02	.1386E+02
.9420E+00	.2432E+01	.2235E+02	-.1642E+03	-.5588E+03	-.1476E+03	.9420E+00	.2432E+01	.2235E+02	-.1642E+03	.7518E+03	-.2906E+03
-.9973E+01	.1437E+02	-.2946E+01	-.1015E+03	.2049E+03	.3041E+03	-.9973E+01	.1437E+02	-.2946E+01	-.1015E+03	.3223E+02	-.5364E+03
.1349E+02	-.1739E+01	-.8237E+01	.2603E+03	-.2031E+04	.7526E+02	.1349E+02	-.1739E+01	-.8237E+01	.2603E+03	-.2514E+04	.1772E+03
.1309E+02	-.3621E+02	.2643E+02	.1788E+03	-.7950E+04	-.1166E+04	.1309E+02	-.3621E+02	.2643E+02	.1788E+03	-.6400E+04	.9571E+03
-.4435E+01	.1236E+02	-.1408E+02	-.1120E+03	.3496E+04	.0138E+03	-.4435E+01	.1236E+02	-.1408E+02	-.1120E+03	.2665E+04	-.3109E+03
.1011E+02	.3281E+02	-.6208E+01	.9809E+01	-.7301E+02	.1342E+04	.1011E+02	.3281E+02	-.6208E+01	.9809E+01	-.4370E+03	-.5814E+03
-.3532E+02	-.1541E+03	-.3988E+02	.4777E+03	.3698E+04	-.6298E+04	-.3532E+02	-.1541E+03	-.3988E+02	.4777E+03	.1360E+04	.2730E+04
-.7421E+01	.1173E+03	-.9174E+01	-.4916E+03	.2657E+04	.4470E+04	-.7421E+01	.1173E+03	-.9174E+01	-.4916E+03	.2319E+04	-.2408E+04
.1662E+02	-.4919E+01	.3662E+02	.5566E+02	-.2509E+04	-.1683E+03	.1662E+02	-.4919E+01	.3662E+02	.5566E+02	-.4013E+03	.1201E+03
.6624E+01	.1469E+01	.4480E+00	.5609E+02	-.6559E+02	-.7296E+02	.6624E+01	.1469E+01	.4480E+00	.5609E+02	-.3933E+02	-.1541E+03
-.1639E+02	-.2015E+01	.8669E+00	.1457E+02	-.2900E+02	-.1178E+03	-.1639E+02	-.2015E+01	.8669E+00	.1457E+02	.2182E+02	.2924E+00





9.45E+00	.2438E+01	.2235E+02	-.647E+03	-.558E+03	-.1476E+03	.9426E+00	.279E+01	.2235E+02	-.1642E+03	.2518E+03	-.290E+03
-.9473E+01	.1437E+02	-.2946E+01	-.1015E+03	.2049E+03	.3041E+03	.9973E+01	.1437E+02	-.2946E+01	-.1015E+03	.2221E+02	-.536E+03
.1349E+02	-.1739E+01	-.8237E+01	.2603E+03	-.2031E+04	.7526E+02	.1349E+02	-.1739E+01	-.8237E+01	.2603E+03	-.2514E+04	.1772E+03
.309E+02	-.3621E+02	.2643E+02	.1788E+03	-.7950E+04	-.1166E+03	.1309E+02	-.3621E+02	.2643E+02	.1788E+03	-.6400E+04	.9571E+03
.435E+01	.1236E+02	-.1408E+02	-.1120E+03	.3490E+04	.4138E+03	.4435E+01	.1236E+02	-.1408E+02	-.1120E+03	.2665E+04	-.3109E+03
.1011E+02	.3281E+02	-.6208E+01	.9809E+01	-.7301E+02	-.1342E+04	.1011E+02	.3281E+02	-.6208E+01	.9809E+01	-.4370E+03	-.5814E+03
-.3532E+02	-.1541E+03	-.3988E+02	.4777E+03	.3698E+04	-.6298E+04	-.3532E+02	-.1541E+03	-.3988E+02	.4777E+03	.1360E+04	.2736E+04
-.7421E+01	.1173E+03	-.9174E+01	-.4916E+03	.2857E+04	.4470E+04	-.7421E+01	.1173E+03	-.9174E+01	-.4916E+03	.2319E+04	-.2408E+04
.1862E+02	-.4919E+01	.3662E+02	.556E+02	-.2509E+04	-.1683E+03	.1862E+02	-.4919E+01	.3662E+02	.5566E+02	-.4013E+03	.1201E+03
.6424E+01	.1469E+01	.4480E+00	.5609E+02	-.6554E+02	-.7296E+02	.6424E+01	.1469E+01	.4480E+00	.5609E+02	-.3933E+02	-.1591E+03
-.1639E+02	-.2015E+01	.8669E+00	.1457E+02	-.2900E+02	-.1178E+03	-.1639E+02	-.2015E+01	.8669E+00	.1457E+02	.2182E+02	.2924E+00
.1975E+02	-.2574E+02	.1382E+02	.1885E+02	.1006E+02	-.1535E+04	.1975E+02	-.2574E+02	.1382E+02	.1885E+02	.8202E+03	-.2630E+02
-.9226E+01	.2688E+01	.1258E+01	-.1728E+02	.2252E+02	.1474E+03	-.9226E+01	.2688E+01	.1258E+01	-.1728E+02	.9630E+02	-.1016E+02
.1504E+02	-.2748E+01	-.7322E+01	-.2436E+02	.4194E+03	-.1976E+03	.1504E+02	-.2748E+01	-.7322E+01	-.2436E+02	-.9916E+01	-.3852E+02
.8716E+02	-.6878E+01	.1759E+02	.1383E+03	-.0939E+03	-.2891E+03	.8716E+02	-.6878E+01	.1759E+02	.1383E+03	.1142E+03	.1142E+03
-.6139E+01	.3081E+01	-.1467E+01	.4093E+01	.5828E+02	.2333E+03	-.6139E+01	.3081E+01	-.1467E+01	.4093E+01	-.2771E+02	.5271E+02
-.6126E+01	-.7479E+00	.1261E+01	-.1006E+02	-.1457E+03	-.5995E+02	-.6126E+01	-.7479E+00	.1261E+01	-.1006E+02	-.1450E+03	-.1610E+02

SQUARE ROOT SUM OF THE SQUARES

.3621E+03	.5818E+03	.2243E+03	.1377E+05	.1198E+05	.3633E+05	.3081E+03	.5818E+03	.2243E+03	.1377E+05	.1393E+05	.5759E+05
CLOSELY SPACED MODE SUMMATION METHOD											
.3239E+03	.6346E+03	.2413E+03	.1412E+05	.1682E+05	.3892E+05	.3239E+03	.6346E+03	.2413E+03	.1412E+05	.1672E+05	.6062E+05

ELEMENT TYPE (3/D P I P E) / / / ELEMENT NUMBER ( 20)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.1319E+03	-.1756E+03	.7679E+01	-.2284E+04	-.9226E+03	-.1807E+04	-.1319E+03	-.1756E+03	.7679E+01	-.2284E+04	-.9226E+03	-.1807E+04
.1043E+02	-.7776E-01	.1507E+02	-.4888E+02	-.7171E+02	-.1036E+03	.1043E+02	-.7776E-01	.1507E+02	-.4888E+02	-.7171E+02	-.1036E+03
.7516E+02	-.6720E+02	.2630E+02	-.8619E+04	-.1079E+05	.3071E+05	.7516E+02	-.6720E+02	.2630E+02	-.8619E+04	-.1079E+05	.3071E+05
.1825E+00	.7136E+00	-.2344E+01	.6079E+02	.2052E+03	.3865E+03	.1825E+00	.7136E+00	-.2344E+01	.6079E+02	.2052E+03	.3865E+03
-.4112E-01	.2066E-02	-.4323E-02	.3097E+00	.3612E+01	.1227E+01	-.4112E-01	.2066E-02	-.4323E-02	.3097E+00	.3612E+01	.1227E+01
.2357E+02	-.9745E+01	.6841E+02	-.3342E+04	.1134E+04	-.2432E+05	.2357E+02	-.9745E+01	.6841E+02	-.3342E+04	.1134E+04	-.2432E+05
.6729E+00	-.7895E-01	.1747E+02	.5484E+02	-.1576E+03	.1312E+03	.6729E+00	-.7895E-01	.1747E+02	.5484E+02	-.1576E+03	.1312E+03
.4516E-01	.1251E+00	.3216E+00	-.4689E+01	-.3490E+01	.2290E+02	.4516E-01	.1251E+00	.3216E+00	-.4689E+01	-.3490E+01	.2290E+02
-.1974E+03	.2050E+02	-.2412E+02	-.1455E+04	.2706E+04	-.5839E+04	-.1974E+03	.2050E+02	-.2412E+02	-.1455E+04	.2706E+04	-.5839E+04
-.1375E+02	-.3350E+01	-.4711E+00	.6010E+02	.5343E+03	-.1095E+02	-.1375E+02	-.3350E+01	-.4711E+00	.6010E+02	.5343E+03	-.1095E+02
.2904E+02	.9142E+03	.4235E+01	-.8313E+04	.7097E+03	.4174E+05	.2904E+02	.9142E+03	.4235E+01	-.8313E+04	.7097E+03	.4174E+05
.9177E+01	-.5169E+02	.2404E+01	-.2939E+03	-.1958E+04	-.3632E+04	.9177E+01	-.5169E+02	.2404E+01	-.2939E+03	-.1958E+04	-.3632E+04
.2600E+01	.1077E+02	.1110E+00	-.4805E+02	-.2305E+03	.7213E+03	.2600E+01	.1077E+02	.1110E+00	-.4805E+02	-.2305E+03	.7213E+03
-.2339E+01	-.1531E+00	.4459E+00	.2003E+02	.4156E+02	.1569E+02	-.2339E+01	-.1531E+00	.4459E+00	.2003E+02	.4156E+02	.1569E+02
-.5649E+00	-.8931E+00	.3256E+02	-.1382E+03	.7518E+03	-.3038E+03	-.5649E+00	-.8931E+00	.3256E+02	-.1382E+03	.7518E+03	-.3038E+03
-.1071E+02	-.5361E+01	-.4827E+01	-.5412E+02	.3223E+02	-.5452E+03	-.1071E+02	-.5361E+01	-.4827E+01	-.5412E+02	.3223E+02	-.5452E+03
.1359E+02	.5683E+01	-.3290E+02	.2438E+03	-.2514E+04	.1993E+03	.1359E+02	.5683E+01	-.3290E+02	.2438E+03	-.2514E+04	.1993E+03
.1285E+02	.1628E+02	-.3618E+02	.9466E+02	-.6400E+04	.9691E+03	.1285E+02	.1628E+02	-.3618E+02	.9466E+02	-.6400E+04	.9691E+03
-.4351E+01	.6070E+01	.1191E+02	-.8440E+02	.2665E+04	-.3195E+03	-.4351E+01	.6070E+01	.1191E+02	-.8440E+02	.2665E+04	-.3195E+03
.1084E+02	-.9601E+01	-.8549E+02	.6047E+02	-.4370E+03	.1084E+02	-.9601E+01	-.8549E+02	.6047E+02	-.4370E+03	.1084E+02	-.9601E+01
-.3346E+02	.5119E+02	-.3352E+02	.2372E+03	.1360E+04	.2768E+04	-.3346E+02	.5119E+02	-.3352E+02	.2372E+03	.1360E+04	.2768E+04
-.7224E+01	-.4764E+02	.8707E+01	-.2797E+03	.2319E+04	-.2442E+04	-.7224E+01	-.4764E+02	.8707E+01	-.2797E+03	.2319E+04	-.2442E+04
.1590E+02	.6777E+01	.3608E+02	.4497E+02	-.4013E+03	.1245E+03	.1590E+02	.6777E+01	.3608E+02	.4497E+02	-.4013E+03	.1245E+03
.6304E+01	-.2527E+02	.9968E+00	.6975E+02	-.3933E+02	-.1536E+03	.6304E+01	-.2527E+02	.9968E+00	.6975E+02	-.3933E+02	-.1536E+03
-.1607E+02	-.2286E+01	-.9675E+00	.1449E+02	.2122E+02	.1563E+01	-.1607E+02	-.2286E+01	-.9675E+00	.1449E+02	.2122E+02	.1563E+01
.1706E+02	.2071E+02	.2107E+02	.2107E+02	.8202E+03	-.2455E+02	.1706E+02	.2071E+02	.2107E+02	.2107E+02	.8202E+03	-.2455E+02
-.8985E+01	.9906E+00	.7425E+00	-.1632E+02	.9630E+02	-.1163E+02	-.8985E+01	.9906E+00	.7425E+00	-.1632E+02	.9630E+02	-.1163E+02
.1520E+02	-.1230E+01	-.5666E+01	-.2090E+02	-.9916E+01	-.4050E+02	.1520E+02	-.1230E+01	-.5666E+01	-.2090E+02	-.9916E+01	-.4050E+02
.8387E+02	-.1435E+02	.2782E+02	.1278E+03	.1376E+03	.1258E+03	.8387E+02	-.1435E+02	.2782E+02	.1278E+03	.1376E+03	.1258E+03
-.6073E+01	-.9025E+01	-.2268E+01	-.5215E+00	-.2771E+02	.5287E+02	-.6073E+01	-.9025E+01	-.2268E+01	-.5215E+00	-.2771E+02	.5287E+02
-.6010E+01	.2292E+00	-.1301E+01	-.8620E+01	-.1457E+03	-.1691E+02	-.6010E+01	.2292E+00	-.1301E+01	-.8620E+01	-.1457E+03	-.1691E+02

SQUARE ROOT SUM OF THE SQUARES

.2717E+03	.9385E+03	.1179E+03	.1278E+05	.1393E+05	.5782E+05	.2717E+03	.9385E+03	.1179E+03	.1278E+05	.1581E+05	.3934E+05
CLOSELY SPACED MODE SUMMATION METHOD											
.2866E+03	.9949E+03	.1483E+03	.1307E+05	.1672E+05	.6084E+05	.2866E+03	.9949E+03	.1483E+03	.1307E+05	.1672E+05	.6084E+05

ELEMENT TYPE (3/D P I P E) / / / ELEMENT NUMBER ( 21)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.1278E+03	-.1698E+03	-.5307E+01	-.3015E+04	-.4724E+03	.8257E+04	-.1278E+03	-.1698E+03	-.5307E+01	-.3015E+04	-.4724E+03	.8257E+04
.8879E+01	-.1133E+00	.9416E+01	.5732E+02	.5189E+03	-.9240E+02	.8879E+01	-.1133E+00	.9416E+01	.5732E+02	.5189E+03	-.9240E+02
.6702E+02	-.9015E+02	.1414E+02	-.6255E+04	-.9251E+04	-.2742E+05	.6702E+02	-.9015E+02	.1414E+02	-.6255E+04	-.9251E+04	-.2742E+05
.8543E+00	.1131E+01	-.6780E+00	.3074E+02	.6778E+02	.3486E+03	.8543E+00	.1131E+01	-.6780E+00	.3074E+02	.6778E+02	.3486E+03
-.6000E-01	.3476E-02	.1016E-02	.2122E+00	.3359E+01	.1129E+01	-.6000E-01	.3476E-02	.1016E-02	.2122E+00	.3359E+01	.1129E+01



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 21 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-1.278E+03	-1.698E+03	-5307E+01	-3015E+04	-4724E+03	-8257E+04	-1.278E+03	-1.698E+03	-5307E+01	-3015E+04	-7835E+03	-1821E+05
8.799E+01	-1.133E+00	9.416E+01	5.732E+02	5.189E+03	-9.440E+02	8.799E+01	-1.133E+00	9.416E+01	5.732E+02	-1.071E+04	-8.776E+02
5.702E+02	-9.015E+02	1.414E+02	-6.255E+04	-9.251E+04	-2.742E+05	6.702E+02	-9.015E+02	1.414E+02	-6.255E+04	-8.422E+04	-2.214E+05
8.543E+00	1.131E+01	-6.780E+00	3.074E+02	6.778E+02	3.386E+03	8.543E+00	1.131E+01	-6.780E+00	3.074E+02	2.803E+02	2.824E+03
-6.000E-01	3.476E-02	1.016E-02	2.122E+00	3.359E+01	1.129E+01	-6.000E-01	3.476E-02	1.016E-02	2.122E+00	3.418E+01	9.250E+00
-8.126E+02	-5.782E+02	2.720E+02	-1.262E+04	5.145E+04	-2.395E+05	-8.126E+02	-5.782E+02	2.720E+02	-1.262E+04	6.739E+04	-2.056E+05
-1.059E+01	1.653E+00	5.625E+01	4.280E+02	8.663E+03	1.201E+03	-1.059E+01	1.653E+00	5.625E+01	4.280E+02	1.196E+04	1.293E+03
5.186E-01	1.134E+00	8.685E-01	-6.226E+01	1.486E+02	1.508E+02	5.186E-01	1.134E+00	8.685E-01	-6.226E+01	1.995E+02	8.431E+01
-1.244E+03	-4.759E+01	5.759E+01	-8.762E+03	1.292E+04	-7.145E+04	-1.244E+03	-4.759E+01	5.759E+01	-8.762E+03	1.629E+04	-6.866E+04
-1.1972E+02	-1.526E+01	-4.749E+01	4.372E+02	5.267E+03	1.900E+03	-1.1972E+02	-1.526E+01	-4.749E+01	4.372E+02	2.483E+03	2.744E+03
2.033E+02	4.448E+03	-1.410E+02	-7.299E+04	9.580E+03	-1.254E+05	2.033E+02	4.448E+03	-1.410E+02	-7.299E+04	1.313E+03	-3.861E+05
-7.857E+01	-2.693E+02	3.323E+02	-2.404E+03	-1.817E+04	-6.248E+03	-7.857E+01	-2.693E+02	3.323E+02	-2.404E+03	1.314E+03	9.540E+03
3.630E+00	5.518E+01	3.625E+01	-2.557E+02	-2.249E+03	6.527E+02	3.630E+00	5.518E+01	3.625E+01	-2.557E+02	-1.148E+02	-2.319E+03
-2.033E+01	-4.149E-01	-1.639E+01	1.781E+02	-2.198E+03	2.632E+02	-2.033E+01	-4.149E-01	-1.639E+01	1.781E+02	-3.159E+03	2.875E+02
-8.527E+00	-5.892E+00	-6.994E+01	-1.157E+03	2.061E+04	-2.631E+03	-8.527E+00	-5.892E+00	-6.994E+01	-1.157E+03	2.251E+04	-2.285E+03
-8.042E+01	-2.345E-01	-4.664E+00	-3.381E+02	-2.502E+03	-2.347E+03	-8.042E+01	-2.345E-01	-4.664E+00	-3.381E+02	-2.781E+03	-9.722E+02
1.109E+02	1.548E+01	4.415E+02	2.556E+03	4.446E+04	-1.238E+03	1.109E+02	1.548E+01	4.415E+02	2.556E+03	-1.858E+04	-2.146E+03
-4.487E+01	6.480E+01	1.238E+03	9.300E+02	1.265E+04	-2.357E+02	-4.487E+01	6.480E+01	1.238E+03	9.300E+02	1.265E+04	-2.357E+02
3.786E+01	2.780E-01	-5.208E+02	-2.526E+02	3.363E+04	-6.802E+03	3.786E+01	2.780E-01	-5.208E+02	-2.526E+02	3.099E+03	-8.431E+03
9.166E+01	6.799E+00	8.101E+01	6.101E+02	-9.382E+03	-1.016E+02	9.166E+01	6.799E+00	8.101E+01	6.101E+02	-4.633E+03	-5.001E+02
-2.384E+02	-1.079E+02	2.377E+02	2.566E+03	6.050E+03	-2.118E+03	-2.384E+02	-1.079E+02	2.377E+02	2.566E+03	-1.998E+04	4.205E+03
-4.751E-01	1.188E-02	-5.043E+02	-3.092E+03	2.629E+04	3.253E+03	-4.751E-01	1.188E-02	-5.043E+02	-3.092E+03	-1.269E+03	-3.712E+03
1.299E+02	-2.854E+01	-4.407E+00	6.857E+02	1.714E+04	-2.679E+03	1.299E+02	-2.854E+01	-4.407E+00	6.857E+02	1.688E+04	-1.006E+03
6.112E+01	1.131E-02	2.264E+00	-4.615E+02	1.911E+02	1.329E+04	6.112E+01	1.131E-02	2.264E+00	-4.615E+02	3.230E+02	6.660E+03
-1.1777E+02	8.954E+00	8.763E+00	2.628E+01	-3.489E+02	1.346E+03	-1.1777E+02	8.954E+00	8.763E+00	2.628E+01	1.648E+02	8.387E+02
2.974E+02	1.433E+01	-3.119E+02	-3.887E+02	2.034E+04	6.666E+03	2.974E+02	1.433E+01	-3.119E+02	-3.887E+02	2.056E+03	6.026E+03
-1.086E+02	-3.249E-01	-2.250E+01	-1.019E+02	1.398E+03	-7.087E+02	-1.086E+02	-3.249E-01	-2.250E+01	-1.019E+02	7.914E+01	-6.896E+02
1.1754E+02	-2.966E-03	2.236E+01	-2.357E+02	3.421E+03	1.754E+02	1.1754E+02	-2.966E-03	2.236E+01	-2.357E+02	-2.110E+03	2.966E+02
9.466E+02	1.077E+02	-2.369E+02	4.306E+02	1.768E+04	9.746E+03	9.466E+02	1.077E+02	-2.369E+02	4.306E+02	3.794E+03	3.431E+03
-5.026E+01	1.010E+02	2.434E+01	-5.120E+02	-1.607E+03	5.797E+03	-5.026E+01	1.010E+02	2.434E+01	-5.120E+02	-1.798E+02	-1.254E+02
-7.190E+01	-6.712E+00	5.531E+01	-5.942E+01	-2.212E+03	-3.099E+02	-7.190E+01	-6.712E+00	5.531E+01	-5.942E+01	1.030E+03	8.358E+01

SQUARE ROOT SUM OF THE SQUARES

2.422E+03	4.894E+03	1.651E+03	1.021E+05	1.581E+05	4.008E+05	2.422E+03	4.894E+03	1.651E+03	1.021E+05	1.183E+05	5.278E+05
CLOSELY SPACED MODE SUMMATION METHOD											
2.600E+03	5.158E+03	2.383E+03	1.045E+05	2.204E+05	4.070E+05	2.600E+03	5.158E+03	2.383E+03	1.045E+05	1.290E+05	5.386E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 22 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-1.268E+03	-1.698E+03	-1.642E+02	-4.590E+04	-7.835E+03	1.788E+05	-1.268E+03	-1.698E+03	-1.642E+02	-4.590E+04	-1.746E+04	2.783E+05
8.025E+01	-1.133E+00	1.015E+02	6.475E+02	1.071E+04	-8.243E+02	8.025E+01	-1.133E+00	1.015E+02	6.475E+02	1.666E+04	-7.578E+02
8.545E+02	-9.015E+02	2.167E+02	-4.302E+04	-8.422E+04	-2.260E+05	8.545E+02	-9.015E+02	2.167E+02	-4.302E+04	-7.152E+04	-2.731E+05
9.102E+00	1.131E+01	-6.010E+00	6.025E+01	2.803E+02	2.840E+03	9.102E+00	1.131E+01	-6.010E+00	6.025E+01	-7.201E+01	2.177E+03
-5.986E-01	3.476E-02	1.016E-02	2.122E+00	3.359E+01	1.129E+01	-5.986E-01	3.476E-02	1.016E-02	2.122E+00	3.359E+01	1.129E+01
-8.132E+02	-5.782E+02	2.720E+02	-1.262E+04	5.145E+04	-2.395E+05	-8.132E+02	-5.782E+02	2.720E+02	-1.262E+04	5.145E+04	-2.395E+05
-1.059E+01	1.653E+00	5.625E+01	4.280E+02	8.663E+03	1.201E+03	-1.059E+01	1.653E+00	5.625E+01	4.280E+02	8.663E+03	1.201E+03
5.186E-01	1.134E+00	8.685E-01	-6.226E+01	1.486E+02	1.508E+02	5.186E-01	1.134E+00	8.685E-01	-6.226E+01	1.486E+02	1.508E+02
-1.244E+03	-4.759E+01	5.759E+01	-8.762E+03	1.292E+04	-7.145E+04	-1.244E+03	-4.759E+01	5.759E+01	-8.762E+03	1.292E+04	-7.145E+04
-1.1972E+02	-1.526E+01	-4.749E+01	4.372E+02	5.267E+03	1.900E+03	-1.1972E+02	-1.526E+01	-4.749E+01	4.372E+02	5.267E+03	1.900E+03
2.033E+02	4.448E+03	-1.410E+02	-7.299E+04	9.580E+03	-1.254E+05	2.033E+02	4.448E+03	-1.410E+02	-7.299E+04	9.580E+03	-1.254E+05
-7.857E+01	-2.693E+02	3.323E+02	-2.404E+03	-1.817E+04	-6.248E+03	-7.857E+01	-2.693E+02	3.323E+02	-2.404E+03	-1.817E+04	-6.248E+03
3.630E+00	5.518E+01	3.625E+01	-2.557E+02	-2.249E+03	6.527E+02	3.630E+00	5.518E+01	3.625E+01	-2.557E+02	-2.249E+03	6.527E+02
-2.033E+01	-4.149E-01	-1.639E+01	1.781E+02	-2.198E+03	2.632E+02	-2.033E+01	-4.149E-01	-1.639E+01	1.781E+02	-2.198E+03	2.632E+02
-8.527E+00	-5.892E+00	-6.994E+01	-1.157E+03	2.061E+04	-2.631E+03	-8.527E+00	-5.892E+00	-6.994E+01	-1.157E+03	2.061E+04	-2.631E+03
-8.042E+01	-2.345E-01	-4.664E+00	-3.381E+02	-2.502E+03	-2.347E+03	-8.042E+01	-2.345E-01	-4.664E+00	-3.381E+02	-2.502E+03	-2.347E+03
1.109E+02	1.548E+01	4.415E+02	2.556E+03	4.446E+04	-1.238E+03	1.109E+02	1.548E+01	4.415E+02	2.556E+03	4.446E+04	-1.238E+03
-4.487E+01	6.480E+01	1.238E+03	9.300E+02	1.265E+04	-2.357E+02	-4.487E+01	6.480E+01	1.238E+03	9.300E+02	1.265E+04	-2.357E+02
3.786E+01	2.780E-01	-5.208E+02	-2.526E+02	3.363E+04	-6.802E+03	3.786E+01	2.780E-01	-5.208E+02	-2.526E+02	3.363E+04	-6.802E+03
9.166E+01	6.799E+00	8.101E+01	6.101E+02	-9.382E+03	-1.016E+02	9.166E+01	6.799E+00	8.101E+01	6.101E+02	-9.382E+03	-1.016E+02
-2.384E+02	-1.079E+02	2.377E+02	2.566E+03	6.050E+03	-2.118E+03	-2.384E+02	-1.079E+02	2.377E+02	2.566E+03	6.050E+03	-2.118E+03
-4.751E-01	1.188E-02	-5.043E+02	-3.092E+03	2.629E+04	3.253E+03	-4.751E-01	1.188E-02	-5.043E+02	-3.092E+03	2.629E+04	3.253E+03
1.299E+02	-2.854E+01	-4.407E+00	6.857E+02	1.714E+04	-2.679E+03	1.299E+02	-2.854E+01	-4.407E+00	6.857E+02	1.714E+04	-2.679E+03
6.112E+01	1.131E-02	2.264E+00	-4.615E+02	1.911E+02	1.329E+04	6.112E+01	1.131E-02	2.264E+00	-4.615E+02	1.911E+02	1.329E+04
-1.1777E+02	8.954E+00	8.763E+00	2.628E+01	-3.489E+02	1.346E+03	-1.1777E+02	8.954E+00	8.763E+00	2.628E+01	-3.489E+02	1.346E+03
2.974E+02	1.433E+01	-3.119E+02	-3.887E+02	2.034E+04	6.666E+03	2.974E+02	1.433E+01	-3.119E+02	-3.887E+02	2.034E+04	6.666E+03
-1.086E+02	-3.249E-01	-2.250E+01	-1.019E+02	1.398E+03	-7.087E+02	-1.086E+02	-3.249E-01	-2.250E+01	-1.019E+02	1.398E+03	-7.087E+02
1.1754E+02	-2.966E-03	2.236E+01	-2.357E+02	3.421E+03	1.754E+02	1.1754E+02	-2.966E-03	2.236E+01	-2.357E+02	3.421E+03	1.754E+02
9.466E+02	1.077E+02	-2.369E+02	4.306E+02	1.768E+04	9.746E+03	9.466E+02	1.077E+02	-2.369E+02	4.306E+02	1.768E+04	9.746E+03
-5.026E+01	1.010E+02	2.434E+01	-5.120E+02	-1.607E+03	5.797E+03	-5.026E+01	1.010E+02	2.434E+01	-5.120E+02	-1.607E+03	5.797E+03
-7.190E+01	-6.712E+00	5.531E+01	-5.942E+01	-2.212E+03	-3.099E+02	-7.190E+01	-6.712E+00	5.531E+01	-5.942E+01	-2.212E+03	-3.099E+02



SQUARE ROOT SUM OF THE SQUARES :											
.2432E+03	.4894E+03	.1636E+03	.7454E+04	.1183E+05	.5324E+05	.2432E+03	.4894E+03	.1636E+03	.7454E+04	.1423E+05	.7532E+05
CLOSELY SPACED XCOEF SUMMATION METHOD											
.2628E+03	.5158E+03	.2374E+03	.7656E+04	.1290E+05	.5431E+05	.2628E+03	.5158E+03	.2374E+03	.7656E+04	.1721E+05	.7790E+05

PX(I)	VY(I)	VZ(I)	IX(I)	PY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	IX(J)	PY(J)	MZ(J)
-1.203E+03	-1.577E+03	-2.882E+02	-6.996E+04	-1.746E+04	-2.732E+05	-1.203E+03	-1.577E+03	-2.882E+02	-6.996E+04	-1.746E+04	-2.732E+05
-6.778E+01	-1.727E+00	9.047E+01	7.110E+02	1.666E+04	-6.986E+02	-6.778E+01	-1.727E+00	9.047E+01	7.110E+02	1.666E+04	-6.986E+02
9.714E+02	-1.365E+03	3.628E+02	-2.778E+04	-7.152E+04	-1.762E+05	9.714E+02	-1.365E+03	3.628E+02	-2.778E+04	-7.152E+04	-1.762E+05
1.213E+01	1.890E+01	5.725E+00	-1.296E+02	-7.201E+01	2.174E+03	1.213E+01	1.890E+01	5.725E+00	-1.296E+02	-7.201E+01	2.174E+03
-7.786E-01	6.078E-02	-1.698E-01	6.613E-01	3.171E+01	7.448E-01	-7.786E-01	6.078E-02	-1.698E-01	6.613E-01	3.171E+01	7.448E-01
-1.119E+03	-1.478E+03	-6.131E+02	2.303E+04	7.912E+04	-1.709E+05	-1.119E+03	-1.478E+03	-6.131E+02	2.303E+04	7.912E+04	-1.709E+05
2.583E+00	6.894E+00	-8.937E+01	2.066E+02	1.519E+04	1.239E+03	2.583E+00	6.894E+00	-8.937E+01	2.066E+02	1.519E+04	1.239E+03
1.182E+00	8.941E-01	-1.175E+00	-7.014E+01	2.529E+02	5.987E+00	1.182E+00	8.941E-01	-1.175E+00	-7.014E+01	2.529E+02	5.987E+00
-5.804E+02	-5.538E+02	1.604E+02	3.045E+03	1.330E+04	-6.636E+04	-5.804E+02	-5.538E+02	1.604E+02	3.045E+03	1.330E+04	-6.636E+04
-2.534E+02	1.943E+01	-1.576E+00	-1.323E+02	-1.292E+03	3.718E+03	-2.534E+02	1.943E+01	-1.576E+00	-1.323E+02	-1.292E+03	3.718E+03
1.430E+02	-2.304E+03	-6.292E+01	1.780E+04	-5.862E+03	-6.527E+05	1.430E+02	-2.304E+03	-6.292E+01	1.780E+04	-5.862E+03	-6.527E+05
-2.872E+02	1.693E+02	9.603E+01	-5.399E+03	2.032E+04	2.471E+04	-2.872E+02	1.693E+02	9.603E+01	-5.399E+03	2.032E+04	2.471E+04
-2.336E+01	-3.557E+01	1.200E+01	1.461E+02	2.021E+03	-5.662E+03	-2.336E+01	-3.557E+01	1.200E+01	1.461E+02	2.021E+03	-5.662E+03
-2.675E+01	1.201E+00	3.323E+01	1.234E+02	-4.220E+03	3.383E+02	-2.675E+01	1.201E+00	3.323E+01	1.234E+02	-4.220E+03	3.383E+02
8.249E+01	1.650E+00	-3.021E+02	-7.732E+02	1.838E+04	-2.166E+03	8.249E+01	1.650E+00	-3.021E+02	-7.732E+02	1.838E+04	-2.166E+03
-7.988E+01	-1.592E-01	4.635E+01	-2.846E+02	3.485E+03	3.539E+02	-7.988E+01	-1.592E-01	4.635E+01	-2.846E+02	3.485E+03	3.539E+02
-4.683E+01	-1.794E+01	3.152E+02	2.968E+03	7.774E+03	-2.573E+03	-4.683E+01	-1.794E+01	3.152E+02	2.968E+03	7.774E+03	-2.573E+03
-4.454E+02	2.678E+02	2.885E+02	1.864E+03	5.941E+04	-7.136E+03	-4.454E+02	2.678E+02	2.885E+02	1.864E+03	5.941E+04	-7.136E+03
1.417E+02	9.919E+01	-8.563E+01	1.357E+03	-2.712E+04	-9.971E+03	1.417E+02	9.919E+01	-8.563E+01	1.357E+03	-2.712E+04	-9.971E+03
4.230E+01	1.624E+00	7.235E+01	7.283E+02	5.065E+02	-7.826E+02	4.230E+01	1.624E+00	7.235E+01	7.283E+02	5.065E+02	-7.826E+02
-2.201E+02	-4.633E+00	3.831E+02	1.245E+03	-3.508E+04	1.089E+04	-2.201E+02	-4.633E+00	3.831E+02	1.245E+03	-3.508E+04	1.089E+04
1.175E+02	3.824E+01	5.844E+01	-1.794E+03	-3.972E+04	-1.113E+04	1.175E+02	3.824E+01	5.844E+01	-1.794E+03	-3.972E+04	-1.113E+04
1.935E+02	-1.920E+01	-3.607E+02	7.042E+02	1.726E+04	7.947E+02	1.935E+02	-1.920E+01	-3.607E+02	7.042E+02	1.726E+04	7.947E+02
6.445E+01	1.123E+02	-1.291E+01	-1.03								

SQUARE ROOT SUM OF THE SQUARES												
.2743E+03	.5034E+03	.1107E+03	.8037E+04	.1423E+05	.7526E+05	.2743E+03	.5034E+03	.1107E+03	.8037E+04	.1272E+05	.5600E+05	
CLOSELY SPACED CODE SUMMATION METHOD												
.2068E+03	.5209E+03	.1320E+03	.8186E+04	.1721E+05	.7781E+05	.2968E+03	.5209E+03	.1320E+03	.8186E+04	.1669E+05	.5738E+05	

PX(I)	VY(I)	VZ(I)	TX(I)	VY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	IX(J)	KY(J)	MZ(J)
-1.173E+03	-1.577E+03	-3.921E+02	-1.016E+05	-3.436E+04	-3.582E+05	-1.173E+03	-1.577E+03	-3.921E+02	-1.016E+05	-5.734E+04	-4.507E+05
5.962E+01	-1.727E+00	.9604E+01	-1.7604E+02	2.194E+04	-5.330E+02	5.962E+01	-1.727E+00	.9604E+01	-1.7604E+02	2.759E+04	-4.318E+02
.9361E+02	-1.305E+03	.9461E+02	-1.897E+04	-5.028E+04	-1.018E+05	.9361E+02	-1.305E+03	.9461E+02	-1.897E+04	-2.410E+04	-2.531E+04
.1159E+01	.1890E+01	.6762E+00	-2.221E+02	.2936E+02	.1050E+03	.1159E+01	.1890E+01	.6762E+00	-2.221E+02	.6600E+02	-5.762E+01
-7.608E-01	.6078E-02	-.2371E-01	3.197E-01	2.176E+01	.3928E+00	-7.608E-01	.6078E-02	-.2371E-01	3.197E-01	.7857E+00	.3649E-01
-1.659E+03	-1.478E+03	-7.608E+02	.2757E+04	.4318E+04	-.6214E+04	-1.659E+03	-1.478E+03	-7.608E+02	.2757E+04	-.1416E+03	.4492E+03
.1037E+01	.6694E+00	-.8804E+01	.1330E+02	.4953E+03	.8498E+02	.1037E+01	.6694E+00	-.8804E+01	.1330E+02	.4953E+03	.8498E+02
1.130E+00	.8941E-01	-.1472E+00	-.6584E+01	1.502E+02	-.5237E+01	1.130E+00	.8941E-01	-.1472E+00	-.6584E+01	1.502E+02	-.5237E+01



PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.173E+03	.1577E+03	.3921E+02	.1016E+05	.3436E+04	.3502E+03	.1173E+03	.1577E+03	.3921E+02	.1016E+05	.5734E+04	.4507E+05
.3662E+01	.1727E+00	.9604E+01	.7604E+02	.2196E+04	.5330E+02	.5962E+01	.1727E+00	.9604E+01	.7604E+02	.2759E+04	.4318E+02
.9361E+02	.1305E+03	.4461E+02	.1897E+04	.5026E+04	.1018E+05	.9361E+02	.1305E+03	.4461E+02	.1897E+04	.2410E+04	.2531E+04
.1159E+01	.1890E+01	.6762E+00	.2221E+02	.2036E+02	.1450E+03	.1159E+01	.1890E+01	.6762E+00	.2221E+02	.6600E+02	.5762E+01
.7608E+01	.6078E+02	.2371E+01	.3197E+01	.2176E+01	.3920E+00	.7608E+01	.6078E+02	.2371E+01	.3197E+01	.7857E+00	.3649E+01
.1659E+03	.1478E+03	.7608E+02	.2757E+04	.4318E+04	.1659E+03	.1659E+03	.1478E+03	.7608E+02	.2757E+04	.1418E+03	.4492E+03
.1037E+01	.6894E+00	.8880E+01	.1330E+02	.4953E+03	.2498E+02	.1037E+01	.6894E+00	.8880E+01	.1330E+02	.4747E+03	.4457E+02
.1330E+00	.8941E+01	.1642E+00	.6584E+01	.1502E+02	.5237E+01	.1330E+00	.8941E+01	.1642E+00	.6584E+01	.5342E+01	.1048E+02
.5922E+02	.5383E+02	.1091E+02	.0071E+03	.2270E+04	.3440E+04	.5922E+02	.5383E+02	.1091E+02	.0071E+03	.2910E+04	.2846E+03
.2523E+02	.1943E+01	.2368E+01	.3569E+02	.1390E+03	.2558E+03	.2523E+02	.1943E+01	.2368E+01	.3569E+02	.2778E+03	.1419E+03
.1479E+02	.4304E+03	.5020E+01	.5271E+04	.9572E+03	.3972E+05	.1479E+02	.4304E+03	.5020E+01	.5271E+04	.1252E+04	.1449E+05
.2445E+02	.1693E+02	.7061E+01	.6668E+03	.2595E+04	.1025E+04	.2445E+02	.1693E+02	.7061E+01	.6668E+03	.3009E+04	.4328E+03
.2431E+01	.3557E+01	.9912E+00	.4578E+02	.2724E+03	.3551E+03	.2431E+01	.3557E+01	.9912E+00	.4578E+02	.3305E+03	.1466E+03
.2655E+01	.1201E+00	.3077E+01	.9950E+01	.2272E+03	.2776E+02	.2655E+01	.1201E+00	.3077E+01	.9950E+01	.4644E+02	.2072E+02
.1103E+02	.1656E+00	.2936E+02	.5779E+02	.6495E+02	.2264E+03	.1103E+02	.1656E+00	.2936E+02	.5779E+02	.1654E+04	.2361E+03
.7622E+01	.1592E+01	.3383E+01	.3146E+02	.1119E+03	.3366E+02	.7622E+01	.1592E+01	.3383E+01	.3146E+02	.8636E+02	.3459E+02
.7115E+01	.1794E+01	.3099E+02	.3040E+03	.2625E+04	.1257E+03	.7115E+01	.1794E+01	.3099E+02	.3040E+03	.4441E+04	.2057E+02
.3390E+02	.2678E+02	.2511E+02	.3652E+03	.7632E+04	.2258E+04	.3390E+02	.2678E+02	.2511E+02	.3652E+03	.9104E+04	.3828E+04
.1985E+02	.9919E+01	.6858E+01	.2729E+03	.3214E+04	.1561E+04	.1985E+02	.9919E+01	.6858E+01	.2729E+03	.3616E+04	.2142E+04
.3682E+01	.1624E+00	.7577E+01	.8021E+02	.4668E+03	.6109E+02	.3682E+01	.1624E+00	.7577E+01	.8021E+02	.9249E+03	.9061E+02
.2527E+02	.4633E+00	.3624E+02	.2677E+02	.1262E+04	.1122E+04	.2527E+02	.4633E+00	.3624E+02	.2677E+02	.8621E+03	.1149E+04
.1119E+02	.3884E+01	.6847E+01	.6167E+02	.2730E+04	.1351E+04	.1119E+02	.3884E+01	.6847E+01	.6167E+02	.2328E+04	.1579E+04
.2233E+02	.1920E+01	.3425E+02	.5339E+02	.3683E+03	.1974E+03	.2233E+02	.1920E+01	.3425E+02	.5339E+02	.2396E+04	.3100E+03
.6533E+01	.1123E+02	.7232E+00	.4437E+02	.2697E+01	.6773E+03	.6533E+01	.1123E+02	.7232E+00	.4437E+02	.3970E+02	.1330E+03
.1651E+02	.1498E+01	.7285E+00	.2386E+01	.2406E+02	.5749E+02	.1651E+02	.1498E+01	.7285E+00	.2386E+01	.1364E+02	.1453E+03
.4051E+02	.1267E+02	.8174E+01	.1141E+03	.1215E+04	.2506E+03	.4051E+02	.1267E+02	.8174E+01	.1141E+03	.7354E+02	.9534E+03
.1188E+02	.1341E+01	.7163E+00	.8145E+02	.1094E+02	.1188E+02	.1188E+02	.1341E+01	.7163E+00	.8145E+02	.3442E+03	.8956E+02
.1625E+02	.1727E+01	.4086E+01	.2394E+02	.1646E+03	.5170E+02	.1625E+02	.1727E+01	.4086E+01	.2394E+02	.4041E+03	.1263E+03
.1029E+03	.2093E+01	.2145E+01	.7321E+02	.9221E+03	.4017E+03	.1029E+03	.2093E+01	.2145E+01	.7321E+02	.7963E+03	.5243E+03
.3811E+01	.5441E+01	.7887E+00	.2864E+02	.7194E+02	.2909E+03	.3811E+01	.5441E+01	.7887E+00	.2864E+02	.2571E+02	.2808E+02
.6523E+01	.7759E+00	.6461E+01	.1077E+02	.4536E+02	.3196E+01	.6523E+01	.7759E+00	.6461E+01	.1077E+02	.3334E+03	.4552E+02

SQUARE ROOT SUM OF THE SQUARES

.2694E+03	.5034E+03	.1222E+03	.1198E+05	.1272E+05	.5530E+05	.2694E+03	.5034E+03	.1222E+03	.1198E+05	.1409E+05	.4769E+05
CLOSELY SPACED MCD SUMMATION METHOD											
.2936E+03	.5209E+03	.1408E+03	.1231E+05	.1669E+05	.5664E+05	.2936E+03	.5209E+03	.1408E+03	.1231E+05	.1922E+05	.4810E+05

ELEMENT TYPE (3/D P I P E

ELEMENT NUMBER ( 25 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.1083E+03	.1545E+03	.5190E+02	.1405E+05	.5734E+04	.4401E+05	.1083E+03	.1545E+03	.5190E+02	.1405E+05	.8777E+04	.5307E+05
.4773E+01	.2010E+00	.1086E+02	.7952E+02	.2759E+04	.3638E+02	.4773E+01	.2010E+00	.1086E+02	.7952E+02	.3396E+04	.2459E+02
.1010E+03	.1486E+03	.6504E+02	.1669E+04	.2410E+04	.2687E+04	.1010E+03	.1486E+03	.6504E+02	.1669E+04	.1403E+04	.6027E+04
.1229E+01	.2236E+01	.1324E+01	.2162E+02	.6600E+02	.7698E+01	.1229E+01	.2236E+01	.1324E+01	.2162E+02	.1436E+03	.1388E+03
.9017E+01	.7270E+02	.4233E+01	.2866E+01	.7857E+00	.3914E+01	.9017E+01	.7270E+02	.4233E+01	.2866E+01	.1696E+01	.3811E+00
.2331E+03	.1897E+03	.1588E+03	.2708E+04	.1418E+03	.6881E+03	.2331E+03	.1897E+03	.1588E+03	.2708E+04	.9452E+04	.1181E+05
.5907E+01	.9122E+00	.1718E+02	.7358E+01	.4747E+03	.4556E+02	.5907E+01	.9122E+00	.1718E+02	.7358E+01	.5324E+03	.8278E+01
.2627E+00	.9786E+01	.3095E+00	.5644E+01	.5392E+01	.1101E+02	.2627E+00	.9786E+01	.3095E+00	.5644E+01	.1273E+02	.1675E+02
.1384E+01	.7769E+02	.3448E+02	.6296E+03	.2916E+04	.1384E+01	.1384E+01	.7769E+02	.3448E+02	.6296E+03	.4931E+04	.4325E+04
.3417E+02	.3843E+01	.1362E+02	.4793E+02	.2178E+03	.1382E+03	.3417E+02	.3843E+01	.1362E+02	.4793E+02	.5206E+03	.8706E+02
.3606E+01	.9045E+03	.1752E+02	.6516E+04	.1252E+04	.1398E+05	.3606E+01	.9045E+03	.1752E+02	.6516E+04	.2242E+03	.3905E+05
.3752E+02	.4119E+02	.4018E+02	.7020E+03	.3009E+04	.3729E+03	.3752E+02	.4119E+02	.4018E+02	.7020E+03	.6540E+03	.2042E+04
.3704E+01	.8575E+01	.4445E+01	.5840E+02	.3305E+03	.1421E+03	.3704E+01	.8575E+01	.4445E+01	.5840E+02	.6991E+02	.3606E+03
.4385E+01	.3080E+00	.2633E+01	.8164E+01	.4663E+02	.2151E+02	.4385E+01	.3080E+00	.2633E+01	.8164E+01	.1075E+03	.3456E+01
.1783E+02	.3074E+01	.6853E+01	.3697E+02	.1054E+04	.2402E+03	.1783E+02	.3074E+01	.6853E+01	.3697E+02	.1252E+04	.4205E+03
.6894E+01	.9339E+00	.1522E+01	.3436E+02	.8636E+02	.3171E+02	.6894E+01	.9339E+00	.1522E+01	.3436E+02	.1756E+03	.2304E+02
.5525E+01	.2290E+01	.5068E+02	.3096E+03	.4441E+04	.6468E+01	.5525E+01	.2290E+01	.5068E+02	.3096E+03	.1470E+04	.1278E+03
.3252E+02	.1274E+03	.7177E+03	.9104E+04	.3780E+04	.3252E+02	.3252E+02	.1274E+03	.7177E+03	.9104E+04	.1148E+04	.1125E+05
.1493E+02	.7147E+02	.5406E+02	.4588E+03	.3616E+04	.2110E+04	.1493E+02	.7147E+02	.5406E+02	.4588E+03	.4468E+03	.6300E+04
.2132E+01	.3493E+01	.1076E+02	.6781E+02	.9249E+03	.8326E+02	.2132E+01	.3493E+01	.1076E+02	.6781E+02	.2924E+03	.1215E+03
.3083E+02	.2406E+02	.1369E+02	.7363E+02	.8021E+03	.1147E+04	.3083E+02	.2406E+02	.1369E+02	.7363E+02	.1665E+04	.2632E+03
.3611E+01	.2866E+02	.4759E+02	.7635E+02	.2328E+04	.1578E+04	.3611E+01	.2866E+02	.4759E+02	.7635E+02	.4620E+03	.1016E+03
.2538E+02	.6013E+01	.1992E+02	.2614E+02	.2346E+04	.3134E+03	.2538E+02	.6013E+01	.1992E+02	.2614E+02	.1228E+04	.3909E+02
.6371E+01	.2505E+02	.1602E+00	.7235E+02	.3770E+02	.1335E+04	.6371E+01	.2505E+02	.1602E+00	.7235E+02	.4944E+02	.1338E+03
.1816E+02	.2583E+01	.8103E+00	.1030E+02	.1364E+02	.1450E+03	.1816E+02	.2583E+01	.8103E+00	.1030E+02	.3347E+02	.6465E+01
.4585E+02	.1732E+02	.2117E+02	.2760E+02	.7354E+03	.2995E+03	.4585E+02	.1732E+02	.2117E+02	.2760E+02	.5061E+03	.1567E+02
.1615E+02	.1615E+01	.2114E+01	.7003E+01	.3442E+02	.8929E+02	.1615E+02	.1615E+01	.2114E+01	.7003E+01	.8951E+02	.5343E+01
.1565E+02	.1787E+01	.7264E+01	.1284E+02	.4641E+03	.1279E+03	.1565E+02	.1787E+01	.7264E+01	.1284E+02	.2164E+02	.2309E+02
.9352E+02	.1043E+02	.1657E+02	.1187E+03	.7963E+03	.5159E+03	.9352E+02	.1043E+02	.1657E+02	.1187E+03	.1752E+03	.9511E+02
.1492E+01	.8551E+02	.1219E+01	.2628E+02	.2571E+02	.3049E+02	.1492E+01	.8551E+02	.1219E+01	.2628E+02	.4576E+02	.8062E+02
.4807E+01	.6293E+00	.3663E+01	.6737E+01	.3334E+03	.4629E+02	.4807E+01	.6293E+00	.3663E+01	.6737E+01	.1186E+03	.9340E+01





-3.080E+02	2.406E+02	1.369E+02	3.63E+02	8.021E+03	1.147E+04	3.083E+02	2.406E+02	1.369E+02	-7.363E+02	1.665E+04	-2.632E+03
3.611E+01	-2.866E+02	4.759E+02	7.635E+02	-2.328E+04	-1.578E+04	3.611E+01	-2.866E+02	4.759E+02	7.635E+02	1.620E+03	1.016E+03
2.538E+02	6.013E+01	1.992E+02	2.614E+02	-2.896E+04	3.314E+07	2.538E+02	6.013E+01	1.992E+02	2.614E+02	-1.228E+04	-3.909E+02
3.71E+01	-2.505E+02	-1.662E+00	7.215E+02	-3.970E+02	-1.335E+00	6.371E+01	-2.505E+02	-1.662E+00	7.215E+02	-4.944E+02	1.338E+00
1.816E+02	-2.583E+01	8.103E+00	1.030E+02	-1.364E+02	-1.450E+03	1.816E+02	-2.583E+01	8.103E+00	1.030E+02	3.367E+02	1.648E+01
4.585E+02	-1.732E+02	2.117E+02	-2.700E+02	-7.354E+03	-9.995E+03	4.585E+02	-1.732E+02	2.117E+02	-2.700E+02	5.061E+03	1.567E+02
-1.286E+02	1.615E+01	2.114E+01	-7.003E+01	-3.442E+02	8.929E+02	-1.286E+02	1.615E+01	2.114E+01	-7.003E+01	8.951E+02	-5.333E+01
1.565E+02	-1.787E+01	-7.266E+01	-1.264E+02	4.441E+03	-1.279E+03	1.565E+02	-1.787E+01	-7.266E+01	-1.264E+02	-2.184E+02	-2.309E+02
9.352E+02	-1.043E+02	1.657E+02	1.187E+03	-2.793E+02	-5.159E+03	9.352E+02	-1.043E+02	1.657E+02	1.187E+03	1.752E+03	9.571E+02
-1.192E+01	-8.551E+00	-2.119E+01	2.626E+02	2.571E+02	3.049E+02	-1.192E+01	-8.551E+00	-2.119E+01	2.626E+02	-4.576E+02	8.002E+02
-4.807E+01	-6.293E+00	3.663E+01	-6.757E+01	-3.334E+03	-4.629E+02	-4.807E+01	-6.293E+00	3.663E+01	-6.757E+01	-1.186E+03	-9.390E+01

# SQUARE ROOT SUM OF THE SQUARES

3.064E+03	9.652E+03	2.495E+03	1.587E+05	1.409E+05	4.454E+05	3.064E+03	9.652E+03	2.495E+03	1.587E+05	1.470E+05	6.861E+05
3.267E+03	1.018E+04	3.174E+03	1.622E+05	1.922E+05	4.693E+05	3.267E+03	1.018E+04	3.174E+03	1.622E+05	1.538E+05	7.087E+05

## ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 26)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-3.080E+03	1.475E+04	1.013E+03	-1.862E+05	-8.777E+04	5.164E+05	-3.080E+03	1.475E+04	1.013E+03	-1.862E+05	-8.777E+04	5.164E+05
1.358E+02	4.790E+00	-4.335E+02	8.133E+02	3.396E+04	-1.758E+02	1.358E+02	4.790E+00	-4.335E+02	8.133E+02	3.396E+04	-1.758E+02
5.185E+01	3.367E+02	-2.204E+02	-2.187E+04	1.403E+04	5.859E+04	5.185E+01	3.367E+02	-2.204E+02	-2.187E+04	1.403E+04	5.859E+04
3.815E+00	-6.337E+00	-1.008E+01	-9.465E+01	1.236E+03	-1.401E+03	3.815E+00	-6.337E+00	-1.008E+01	-9.465E+01	1.236E+03	-1.401E+03
1.120E+01	-1.334E+02	2.868E+01	6.223E+01	-1.696E+01	-3.831E+00	1.120E+01	-1.334E+02	2.868E+01	6.223E+01	-1.696E+01	-3.831E+00
1.180E+03	4.762E+02	1.267E+03	1.670E+04	-9.452E+04	1.200E+05	1.180E+03	4.762E+02	1.267E+03	1.670E+04	-9.452E+04	1.200E+05
-1.087E+02	5.238E+00	-3.640E+00	1.004E+02	-5.320E+02	-7.432E+01	-1.087E+02	5.238E+00	-3.640E+00	1.004E+02	-5.320E+02	-7.432E+01
-1.874E+00	-1.089E+01	2.224E+01	-4.145E+01	1.275E+02	-1.718E+02	-1.874E+00	-1.089E+01	2.224E+01	-4.145E+01	1.275E+02	-1.718E+02
-1.924E+03	1.486E+02	-7.342E+02	2.509E+03	4.931E+04	4.363E+04	-1.924E+03	1.486E+02	-7.342E+02	2.509E+03	4.931E+04	4.363E+04
-1.528E+02	-1.522E+01	-2.926E+02	-4.018E+02	5.206E+03	-9.090E+02	-1.528E+02	-1.522E+01	-2.926E+02	-4.018E+02	5.206E+03	-9.090E+02
2.500E+02	1.423E+03	-2.111E+02	3.053E+04	-2.242E+03	3.947E+05	2.500E+02	1.423E+03	-2.111E+02	3.053E+04	-2.242E+03	3.947E+05
-2.782E+02	-8.952E+01	1.386E+02	-5.217E+03	6.530E+03	-2.095E+04	-2.782E+02	-8.952E+01	1.386E+02	-5.217E+03	6.530E+03	-2.095E+04
-2.174E+01	9.810E+00	1.925E+01	2.680E+02	6.991E+02	3.644E+03	-2.174E+01	9.810E+00	1.925E+01	2.680E+02	6.991E+02	3.644E+03
-3.688E+01	-2.840E+00	6.520E+01	7.772E+01	1.675E+03	4.147E+01	-3.688E+01	-2.840E+00	6.520E+01	7.772E+01	1.675E+03	4.147E+01
1.764E+02	-1.639E+02	-3.850E+02	-2.472E+00	-1.252E+04	-4.221E+03	1.764E+02	-1.639E+02	-3.850E+02	-2.472E+00	-1.252E+04	-4.221E+03
-8.297E+01	1.974E+01	4.864E+01	-3.227E+02	1.756E+03	-2.594E+02	-8.297E+01	1.974E+01	4.864E+01	-3.227E+02	1.756E+03	-2.594E+02
-7.702E+01	-1.844E+02	3.196E+03	1.470E+04	-1.003E+03	3.747E+05	-7.702E+01	-1.844E+02	3.196E+03	1.470E+04	-1.003E+03	3.747E+05
-3.203E+02	-3.932E+03	-1.045E+03	1.654E+04	1.448E+04	-1.114E+05	-3.203E+02	-3.932E+03	-1.045E+03	1.654E+04	1.448E+04	-1.114E+05
1.625E+02	-2.401E+03	4.765E+02	1.605E+04	-4.408E+03	-6.236E+04	1.625E+02	-2.401E+03	4.765E+02	1.605E+04	-4.408E+03	-6.236E+04
2.692E+01	2.093E+01	3.791E+01	7.691E+02	2.724E+03	3.287E+03	2.692E+01	2.093E+01	3.791E+01	7.691E+02	2.724E+03	3.287E+03
-3.351E+02	1.368E+02	3.864E+02	-5.046E+02	1.665E+04	-2.686E+03	-3.351E+02	1.368E+02	3.864E+02	-5.046E+02	1.665E+04	-2.686E+03
1.746E+01	4.136E+01	5.689E+02	6.722E+02	4.020E+03	1.079E+03	1.746E+01	4.136E+01	5.689E+02	6.722E+02	4.020E+03	1.079E+03
2.519E+02	5.493E+00	6.405E+01	2.944E+02	-1.228E+04	-3.667E+02	2.519E+02	5.493E+00	6.405E+01	2.944E+02	-1.228E+04	-3.667E+02
6.507E+01	7.710E+00	2.476E+00	6.044E+02	-4.744E+02	1.396E+03	6.507E+01	7.710E+00	2.476E+00	6.044E+02	-4.744E+02	1.396E+03
-1.835E+02	7.047E+01	-1.633E+01	9.699E+01	3.387E+02	7.337E+01	-1.835E+02	7.047E+01	-1.633E+01	9.699E+01	3.387E+02	7.337E+01
4.106E+02	5.623E+01	3.379E+02	-2.826E+02	5.061E+03	1.326E+02	4.106E+02	5.623E+01	3.379E+02	-2.826E+02	5.061E+03	1.326E+02
-1.294E+02	-6.720E+00	1.257E+01	-6.658E+01	8.951E+02	-5.982E+01	-1.294E+02	-6.720E+00	1.257E+01	-6.658E+01	8.951E+02	-5.982E+01
1.639E+02	-3.695E+00	-5.290E+01	-1.078E+02	-2.184E+02	-2.412E+02	1.639E+02	-3.695E+00	-5.290E+01	-1.078E+02	-2.184E+02	-2.412E+02
9.394E+02	-2.082E+02	3.103E+02	1.099E+03	1.752E+03	1.057E+03	9.394E+02	-2.082E+02	3.103E+02	1.099E+03	1.752E+03	1.057E+03
-1.741E+01	-1.548E+02	-1.877E+01	1.916E+02	-4.576E+02	8.260E+02	-1.741E+01	-1.548E+02	-1.877E+01	1.916E+02	-4.576E+02	8.260E+02
-5.223E+01	1.967E+00	1.967E+01	-5.913E+01	-1.186E+03	-9.942E+01	-5.223E+01	1.967E+00	1.967E+01	-5.913E+01	-1.186E+03	-9.942E+01

# SQUARE ROOT SUM OF THE SQUARES

4.035E+03	1.554E+04	2.412E+03	1.919E+05	1.470E+05	6.775E+05	4.035E+03	1.554E+04	2.412E+03	1.919E+05	1.004E+05	5.004E+05
4.206E+03	1.620E+04	2.802E+03	1.940E+05	1.538E+05	7.007E+05	4.206E+03	1.620E+04	2.802E+03	1.940E+05	1.336E+05	5.312E+05

## ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 27)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-3.093E+03	1.445E+04	6.633E+02	-1.551E+05	-2.840E+04	-3.636E+05	-3.093E+03	1.445E+04	6.633E+02	-1.551E+05	-2.840E+04	-3.636E+05
1.596E+02	9.538E+00	-3.413E+02	8.759E+02	8.547E+03	-6.759E+02	1.596E+02	9.538E+00	-3.413E+02	8.759E+02	8.547E+03	-6.759E+02
1.672E+02	3.572E+02	-1.050E+02	-2.517E+04	1.106E+03	3.480E+04	1.672E+02	3.572E+02	-1.050E+02	-2.517E+04	1.106E+03	3.480E+04
5.547E+00	-6.767E+00	-7.155E+00	-4.458E+00	8.451E+02	-1.034E+03	5.547E+00	-6.767E+00	-7.155E+00	-4.458E+00	8.451E+02	-1.034E+03
-5.447E+02	-1.510E+02	1.538E+01	8.859E+01	-1.489E+01	-2.983E+00	-5.447E+02	-1.510E+02	1.538E+01	8.859E+01	-1.489E+01	-2.983E+00
4.310E+02	5.339E+02	6.888E+02	8.601E+03	-2.009E+04	9.319E+04	4.310E+02	5.339E+02	6.888E+02	8.601E+03	-2.009E+04	9.319E+04
-6.282E+01	3.913E+00	-1.621E+01	1.333E+02	-5.596E+03	-3.712E+02	-6.282E+01	3.913E+00	-1.621E+01	1.333E+02	-5.596E+03	-3.712E+02
-6.339E+01	-9.171E+00	-1.476E+01	-6.218E+01	1.145E+02	4.610E+02	-6.339E+01	-9.171E+00	-1.476E+01	-6.218E+01	1.145E+02	4.610E+02
-1.797E+03	1.806E+02	-4.526E+02	-5.461E+02	3.335E+03	3.500E+04	-1.797E+03	1.806E+02	-4.526E+02	-5.461E+02	3.335E+03	3.500E+04
-2.597E+02	-1.447E+01	3.246E+01	-3.988E+02	-1.195E+04	-5.140E+04	-2.597E+02	-1.447E+01	3.246E+01	-3.988E+02	-1.195E+04	-5.140E+04
1.674E+02	1.829E+03	4.150E+01	3.659E+03	-1.482E+04	3.128E+05	1.674E+02	1.829E+03	4.150E+01	3.659E+03	-1.482E+04	3.128E+05



-305E+03	1445E+04	6633E+02	551E+05	284E+04	3636E+05	3093E+03	145E+04	6633E+02	1551E+05	144E+04	1211E+06
150E+02	9538E+00	3413E+02	8759E+02	8547E+03	6759E+02	1598E+02	9538E+00	3413E+02	8759E+02	146E+04	1235E+03
172E+02	3572E+02	1050E+02	2517E+04	1104E+03	3680E+04	1672E+02	3572E+02	1050E+02	2517E+04	5053E+03	1586E+04
72E+00	6767E+00	7155E+00	4458E+00	8451E+02	1034E+0	5472E+00	6767E+00	7155E+00	4458E+00	4256E+02	6374E+02
347E-02	1510E-02	1536E-01	8659E-01	1489E-01	2983E+00	5447E-02	1510E-02	1538E-01	8859E-01	8870E+00	2098E+00
4310E+02	5339E+02	6888E+02	8661E+03	2009E+04	9319E+04	4310E+02	5339E+02	6888E+02	8601E+03	2029E+04	6189E+04
6282E+01	3913E+00	1621E+01	1333E+02	5596E+03	3712E+02	6282E+01	3913E+00	1621E+01	1333E+02	8546E+03	6006E+02
6339E-01	9171E+00	1476E-01	8218E+01	1145E+02	4610E+02	6339E-01	9171E+00	1476E-01	8218E+01	1232E+02	9987E+02
1297E+03	1806E+02	4526E+02	5461E+02	3335E+03	3500E+04	1297E+03	1806E+02	4526E+02	5461E+02	2320E+04	2442E+04
2597E+02	1447E+01	3240E+01	3928E+02	1195E+04	5140E+01	2597E+02	1447E+01	3240E+01	3928E+02	1385E+04	7968E+02
1076E+02	1829E+03	5150E+01	3659E+03	1462E+04	3128E+05	1076E+02	1829E+03	5150E+01	3659E+03	1100E+04	2021E+05
320E+02	1077E+02	1669E+02	3827E+03	1466E+04	1610E+04	320E+02	1077E+02	1669E+02	3827E+03	4927E+03	9783E+03
2780E+01	1553E+01	1846E+01	7072E-01	1827E+03	3980E+03	2780E+01	1553E+01	1846E+01	7072E-01	7452E+02	2110E+03
4422E+01	4780E+00	5666E+00	2860E+01	8898E+03	5644E+02	4422E+01	4780E+00	5666E+00	2860E+01	4566E+03	8446E+02
1486E+02	7564E+01	2387E+02	4728E+02	3510E+04	5370E+03	1486E+02	7564E+01	2387E+02	4728E+02	2110E+04	9805E+03
6522E+01	6021E+00	2463E+01	1974E+02	4608E+03	1744E+03	6522E+01	6021E+00	2463E+01	1974E+02	3194E+03	1793E+03
5530E+01	9020E+01	3633E+02	2328E+03	6237E+03	1005E+04	5530E+01	9020E+01	3633E+02	2328E+03	1306E+04	1534E+04
1031E+02	6548E+01	3419E+02	6484E+03	4677E+04	1201E+05	1031E+02	6548E+01	3419E+02	6484E+03	6682E+04	1163E+05
6284E+01	4344E+01	1010E+02	3173E+03	2347E+04	7899E+04	6284E+01	4344E+01	1010E+02	3173E+03	2939E+04	8154E+04
3800E+01	3645E+00	7301E+01	7699E+02	6299E+02	1268E+02	3800E+01	3645E+00	7301E+01	7699E+02	3451E+03	8691E+01
2576E+02	6288E+00	4071E+02	4314E+02	3936E+04	1071E+04	2576E+02	6288E+00	4071E+02	4314E+02	1543E+04	1106E+04
1983E+01	1270E+01	1786E+02	7870E+02	3797E+04	1282E+03	1983E+01	1270E+01	1786E+02	7870E+02	2750E+04	5377E+02
1698E+02	7114E+00	2789E+02	3534E+02	4522E+03	6604E+02	1698E+02	7114E+00	2789E+02	3534E+02	7829E+03	1078E+03
5739E+01	3810E+01	7252E+00	5167E+02	3496E+02	9931E+02	5739E+01	3810E+01	7252E+00	5167E+02	3247E+03	327E+03
1699E+02	5106E+00	9779E+00	9328E+01	6186E+02	4039E+01	1699E+02	5106E+00	9779E+00	9328E+01	4530E+01	3396E+02
4714E+02	7594E+01	3106E+02	5520E+00	2487E+04	3177E+03	4714E+02	7594E+01	3106E+02	5520E+00	6682E+03	1275E+03
1239E+02	8049E+00	2172E+01	9348E+01	1432E+03	3272E+02	1239E+02	8049E+00	2172E+01	9348E+01	3592E+02	1459E+02
1451E+02	3417E+00	2354E+01	1052E+02	3320E+03	3384E+01	1451E+02	3417E+00	2354E+01	1052E+02	1939E+03	1665E+02
7955E+02	1412E+02	2712E+02	6228E+01	1995E+04	1331E+04	7955E+02	1412E+02	2712E+02	6228E+01	4048E+03	5029E+03
2273E+00	1434E+02	2526E+01	6731E+02	1758E+03	9883E+03	2273E+00	1434E+02	2526E+01	6731E+02	7731E+01	1473E+03
4310E+01	5560E+00	2590E+01	4018E+01	3292E+01	2191E+02	4310E+01	5560E+00	2590E+01	4018E+01	1485E+03	1069E+02

SQUARE ROOT SUM OF THE SQUARES

3569E+03	1459E+04	1431E+03	1576E+05	1004E+05	5126E+05	3569E+03	1459E+04	1431E+03	1576E+05	9338E+04	1238E+06
3687E+03	1461E+04	1643E+03	1580E+05	1336E+05	5430E+05	3687E+03	1461E+04	1643E+03	1580E+05	1282E+05	1249E+06

ELEMENT TYPE (3/D P I P E

) / / / ELEMENT NUMBER ( 28)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-3139E+03	1445E+04	3913E+02	-4900E+04	1049E+04	-1220E+06	-3139E+03	1445E+04	3913E+02	-4900E+04	3343E+04	-2007E+06
1827E+02	9538E+00	-3261E+02	9802E+02	-1146E+04	-1159E+03	1827E+02	9538E+00	-3261E+02	9802E+02	-3059E+04	-1713E+03
1757E+02	3572E+02	-9006E+01	-2646E+04	-5053E+03	1361E+04	1757E+02	3572E+02	-9006E+01	-2646E+04	-1033E+04	-7334E+03
6075E+00	-6767E+00	-6651E+00	5108E+01	4256E+02	-6354E+02	6075E+00	-6767E+00	-6651E+00	5108E+01	3561E+01	-2387E+02
-6766E-02	-1510E-02	1485E-01	1065E+00	8670E+00	-2013E+00	-6766E-02	-1510E-02	1485E-01	1065E+00	1758E+01	-1126E+00
3694E+02	5339E+02	7237E+02	3177E+03	2029E+04	6240E+04	3694E+02	5339E+02	7237E+02	3177E+03	6272E+04	3116E+04
-9117E+01	3913E+00	-2162E+01	1851E+02	-6540E+03	-5867E+02	-9117E+01	3913E+00	-2162E+01	1851E+02	-7814E+03	-8161E+02
-6186E-01	9171E+00	-2023E-01	1629E+02	-1232E+02	9478E+02	-6186E-01	9171E+00	-2023E-01	1629E+02	-1350E+02	1525E+03
-1253E+03	1806E+02	-5639E+02	-2671E+03	-2320E+04	2428E+04	-1253E+03	1806E+02	-5639E+02	-2671E+03	-5626E+04	1369E+04
-2559E+02	-1447E+01	-5490E+01	-4667E+02	-1385E+04	7590E+02	-2559E+02	-1447E+01	-5490E+01	-4667E+02	-1707E+04	1607E+03
1027E+02	1889E+03	6068E+01	-1396E+04	-1160E+04	-2016E+05	1027E+02	1889E+03	6068E+01	-1396E+04	-8040E+03	9086E+04
-2873E+02	-1077E+02	-1917E+02	-2961E+03	4927E+03	-1008E+04	-2873E+02	-1077E+02	-1917E+02	-2961E+03	-6313E+03	-3763E+03
-2608E+01	1553E+01	-2081E+01	-1897E+02	7452E+02	2161E+03	-2608E+01	1553E+01	-2081E+01	-1897E+02	-4749E+02	1251E+03
-3556E+01	-4780E+00	-9496E+00	-4509E+01	4566E+03	9439E+02	-3556E+01	-4780E+00	-9496E+00	-4509E+01	4009E+03	1124E+03
1272E+02	-7564E+01	2508E+02	-1325E+03	-2110E+04	9727E+03	1272E+02	-7564E+01	2508E+02	-1325E+03	-6399E+03	1416E+04
-6288E+01	6021E+00	-2962E+01	-4048E+01	3194E+03	-1803E+03	-6288E+01	6021E+00	-2962E+01	-4048E+01	1462E+03	-2156E+03
8674E+01	-9020E+01	-3571E+02	9832E+02	-1306E+04	1545E+04	8674E+01	-9020E+01	-3571E+02	9832E+02	-3400E+04	2077E+04
-7292E+01	6548E+01	-3496E+02	-3662E+04	-6682E+04	-1164E+05	-7292E+01	6548E+01	-3496E+02	-3662E+04	-8731E+04	1126E+05
5380E+01	-4344E+01	1061E+02	-3942E+03	2739E+04	8150E+04	5380E+01	-4344E+01	1061E+02	-3942E+03	3561E+04	8405E+04
4422E+01	3645E+00	-6943E+01	7656E+02	-3451E+03	-2030E+01	4422E+01	3645E+00	-6943E+01	7656E+02	-7521E+03	-2340E+02
-2212E+02	6268E+00	-4280E+02	1395E+03	1543E+04	-1100E+04	-2212E+02	6268E+00	-4280E+02	1395E+03	-9663E+03	-1137E+04
-4195E+00	-1270E+01	-1797E+02	8309E+02	2750E+04	-4671E+02	-4195E+00	-1270E+01	-1797E+02	8309E+02	1697E+04	2774E+02
1448E+02	7114E+00	2926E+02	4459E+02	7829E+03	-1043E+03	1448E+02	7114E+00	2926E+02	4459E+02	2449E+04	-1400E+03
5654E+01	-3810E+01	1222E+01	2367E+02	7360E+01	3260E+03	5654E+01	-3810E+01	1222E+01	2367E+02	7923E+02	5443E+03
-1701E+02	-5106E+00	-5056E+00	6387E+01	-4530E+01	3466E+02	-1701E+02	-5106E+00	-5056E+00	6387E+01	-3417E+02	6460E+02
4067E+02	-7594E+01	-2684E+02	-1166E+02	6662E+03	1270E+03	4067E+02	-7594E+01	-2684E+02	-1166E+02	-9072E+03	5722E+03
-1215E+02	8069E+00	-3243E+01	-8042E+01	3592E+02	-1535E+02	-1215E+02	8069E+00	-3243E+01	-8042E+01	-1542E+03	-6266E+02
1625E+02	-3417E+00	3610E+01	-1193E+02	-1939E+03	1567E+02	1625E+02	-3417E+00	3610E+01	-1193E+02	1769E+02	3570E+02
811E+02	1412E+02	-2008E+02	-5002E+02	4048E+03	5005E+03	811E+02	1412E+02	-2008E+02	-5002E+02	-7726E+03	-3275E+03
6454E-02	1434E+02	2536E+01	-7729E+02	-7731E+01	1409E+03	6454E-02	1434E+02	2536E+01	-7729E+02	1409E+03	-7001E+03
-4519E+01	-5560E+00	2204E+01	-4934E+01	1485E+03	1030E+02	-4519E+01	-5560E+00	2204E+01	-4934E+01	2778E+03	4290E+02

SQUARE ROOT SUM OF THE SQUARES



5.14E+01	-3810E+00	1222E+01	367E+02	756E+01	3260E+03	5654E+01	-370E+01	1222E+01	2367E+02	7923E+02	5493E+03
-1701E+02	-5106E+00	-5050E+00	6387E+01	-4530E+01	3460E+02	-1701E+02	-5106E+00	-5050E+00	6387E+01	-417E+02	6460E+02
0067E+02	-7594E+01	-268JF+02	-116E+02	0062E+03	1270E+03	4767E+02	-7594E+01	-2684E+02	-116E+02	-9072E+03	5722E+03
215E+02	8069E+00	-3203E+01	-8092E+01	3592E+02	-1535E+01	1215E+02	8069E+00	-3243E+01	-8092E+01	-1542E+03	-6206E+03
1425E+02	-3417E+00	3610E+01	-1193E+02	-1939E+03	1567E+02	1425E+02	-3417E+00	3610E+01	-1193E+02	1769E+02	3570E+02
8161E+02	1412E+02	-2006E+02	-5002E+02	4008E+03	5005E+03	8161E+02	1412E+02	-2008E+02	-5002E+02	-7726E+03	-3275E+03
6454E+02	1434E+02	2536E+01	-7989E+02	-7731E+01	1409E+03	6454E+02	1434E+02	2536E+01	-7989E+02	1409E+03	-7001E+03
-519E+01	-5560E+00	2204E+01	-4934E+01	1485E+03	1030E+02	-4519E+01	-5560E+00	2204E+01	-4934E+01	2770E+03	4290E+02

# SQUARE ROOT SUM OF THE SQUARES

3589E+03	1459E+04	1379E+03	5796E+04	9338E+04	1247E+06	3589E+03	1459E+04	1379E+03	5796E+04	1451E+05	2074E+06
CLOSELY SPACED MODE SUMMATION METHOD											
3703E+03	1461E+04	1610E+03	5924E+04	1282E+05	1257E+06	3703E+03	1461E+04	1610E+03	5924E+04	1890E+05	2080E+06

## ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 29)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-3073E+03	1414E+04	-3116E+01	1315E+05	3343E+04	-2063E+06	3073E+03	1414E+04	-3116E+01	1315E+05	3160E+04	-2892E+06
1774E+02	9259E+00	-1450E+02	1126E+03	-3059E+04	-1621E+03	1774E+02	9259E+00	-1456E+02	1126E+03	-3912E+04	-2164E+03
2612E+02	3896E+02	2931E+01	-2572E+04	-1033E+04	-9614E+03	2612E+02	3896E+02	2631E+01	-2572E+04	-8790E+03	-3245E+04
0068E+00	-7427E+00	-3451E+00	7171E+01	3561E+01	-2333E+02	0068E+00	-7427E+00	-3451E+00	7171E+01	-1667E+02	2022E+02
-1038E+01	-1766E+02	-2419E+02	1160E+00	1758E+01	-1030E+00	-1938E+01	-1766E+02	-2419E+02	1160E+00	1616E+01	4957E+03
-1690E+02	2006E+02	-4414E+01	4522E+02	0272E+04	1326E+04	-1996E+02	2006E+02	-4414E+01	4522E+02	0013E+04	-5094E+03
-1454E+01	2753E+00	1796E+01	2556E+02	-7814E+03	-7968E+02	-1954E+01	2753E+00	1796E+01	2556E+02	-0761E+03	-9582E+02
0147E+01	-7989E+03	1426E+01	-3013E+02	1350E+02	1505E+03	0147E+01	-7989E+03	1426E+01	-3013E+02	-1267E+02	1973E+03
-781E+02	2308E+02	8185E+01	-3855E+03	-5626E+04	1340E+04	-781E+02	2308E+02	8185E+01	-3855E+03	-5146E+04	-1256E+02
-0271E+02	-1670E+01	1603E+02	-0051E+02	-1707E+04	1560E+03	-0271E+02	-1670E+01	1663E+02	-0051E+02	-7315E+03	2539E+03
-9115E+01	2867E+03	1700E+02	-2123E+04	-8040E+03	8930E+04	-9115E+01	2867E+03	1700E+02	-2123E+04	1928E+03	-7880E+04
-2738E+02	-1571E+02	-1540E+02	-2021E+03	-0313E+03	-4007E+03	-2738E+02	-1571E+02	-1540E+02	-2021E+03	-1534E+04	5205E+03
-2697E+01	2657E+01	-1965E+01	-2981E+02	-4749E+02	1230E+03	-2697E+01	2657E+01	-1965E+01	-2981E+02	-1627E+02	-3283E+02
-3336E+01	-4064E+00	-5924E+01	-1430E+02	4009E+03	1116E+03	-3336E+01	-4064E+00	-5924E+01	-1430E+02	5357E+02	1354E+03
-8957E+00	-8246E+01	3821E+02	-2555E+03	-6399E+03	1399E+04	-8957E+00	-8246E+01	3821E+02	-2555E+03	1600E+04	1803E+04
-3054E+01	2604E+00	-5080E+01	1477E+02	1262E+03	-2151E+03	-3054E+01	2604E+00	-5080E+01	1477E+02	-1510E+03	-2304E+03
1799E+02	-3343E+02	1378E+02	-8322E+02	-3403E+04	2078E+04	1799E+02	-3343E+02	1378E+02	-8322E+02	-2592E+04	4037E+04
-1652E+02	4399E+03	1087E+03	-1347E+04	-8731E+04	1118E+05	-1652E+02	4399E+03	1087E+03	-1347E+04	-2360E+04	-1461E+05
1138E+02	2052E+03	-4896E+02	-1126E+04	3561E+04	8339E+04	1138E+02	2052E+03	-4896E+02	-1126E+04	6901E+03	-3694E+04
3873E+01	1559E+01	5408E+01	7631E+02	-7521E+03	-1663E+02	3873E+01	1559E+01	5408E+01	7631E+02	-4350E+03	-1080E+03
-485F+01	-1086E+02	-2619E+02	2381E+03	-9663E+03	-1120E+04	-485F+01	-1086E+02	-2619E+02	2381E+03	-2502E+04	-4831E+03
1188E+02	1123E+02	-5140E+02	8035E+02	1697E+04	3488E+02	1188E+02	1123E+02	-5140E+02	8035E+02	-1317E+04	-6236E+03
1011E+02	-2053E+01	-2382E+02	5715E+02	2499E+04	1415E+03	1011E+02	-2053E+01	-2382E+02	5715E+02	1102E+04	-2116E+02
4710E+01	1008E+02	-8075E+00	-2434E+02	7923E+02	5993E+03	4710E+01	1008E+02	-8075E+00	-2434E+02	3168E+02	-4195E+02
-1487E+02	1171E+01	1187E+01	7270E+00	-347E+02	6491E+02	-1487E+02	1171E+01	1187E+01	7270E+00	3593E+02	-3739E+01
5634E+02	9885E+01	-8123E+01	-6153E+02	-9072E+03	5690E+03	5634E+02	9885E+01	-8123E+01	-6153E+02	-1383E+04	1242E+02
-1050E+02	-1013E+01	1111E+01	-2545E+01	-1542E+03	-6313E+02	-1050E+02	-1013E+01	1111E+01	-2545E+01	-8903E+02	-3761E+01
9728E+01	8317E+00	2546E+01	-1500E+02	1769E+02	3452E+02	9728E+01	8317E+00	2546E+01	-1500E+02	1670E+03	-1424E+02
6432E+02	-4466E+01	-3570E+01	-2125E+02	-7726E+03	6432E+02	-4466E+01	-3570E+01	-2125E+02	-7726E+03	-9819E+03	-8884E+02
1678E+01	-1017E+02	-1328E+01	-1851E+02	1409E+03	-7044E+03	1678E+01	-1017E+02	-1328E+01	-1851E+02	6308E+02	-1084E+03
-1765E+01	6968E+00	-5568E+01	-8656E+01	2778E+03	4230E+02	-1765E+01	6968E+00	-5568E+01	-8656E+01	-4872E+02	1451E+01

# SQUARE ROOT SUM OF THE SQUARES

3362E+03	1525E+04	1452E+03	1370E+05	1451E+05	2670E+06	3362E+03	1525E+04	1452E+03	1370E+05	1094E+05	2898E+06
CLOSELY SPACED MODE SUMMATION METHOD											
3472E+03	1596E+04	1998E+03	1388E+05	1890E+05	2076E+06	3472E+03	1596E+04	1998E+03	1388E+05	1248E+05	2902E+06

## ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-3058E+03	-1427E+04	-2984E+02	3820E+05	3160E+04	-2870E+06	-3058E+03	-1427E+04	-2984E+02	3820E+05	1411E+04	-2033E+06
1894E+02	4089E+00	-1296E+02	1310E+03	-3912E+04	-2058E+03	1894E+02	4089E+00	-1296E+02	1310E+03	-4672E+04	-2296E+03
2579E+02	-1357E+02	4893E+01	-2280E+04	-8790E+03	-3457E+04	2579E+02	-1357E+02	4893E+01	-2280E+04	-5922E+03	-2661E+04
7242E+00	7118E+01	-2631E+00	5385E+01	-1667E+02	7242E+00	7118E+01	-2631E+00	5385E+01	-1667E+02	3327E+02	1659E+02
-1909E+01	1762E+03	-4095E+02	1155E+00	1616E+01	1658E+01	-1909E+01	1762E+03	-4095E+02	1155E+00	1376E+01	2532E+03
-1950E+02	9406E+01	-6134E+01	8936E+02	6013E+04	-5035E+03	-1950E+02	9406E+01	-6134E+01	8936E+02	5654E+04	-1055E+04
-2103E+01	-1816E+01	1619E+01	3380E+02	-6761E+03	-9324E+02	-2103E+01	-1816E+01	1619E+01	3380E+02	-5811E+03	1322E+02
5999E+01	2683E+01	1955E+01	-4718E+02	-1267E+02	1940E+03	5999E+01	2683E+01	1955E+01	-4718E+02	-1152E+02	3604E+02
-7624E+02	2512E+01	1558E+01	-3829E+03	-5146E+04	-4605E+02	-7624E+02	2512E+01	1558E+01	-3829E+03	-5055E+04	-1933E+03
-4400E+02	1989E+01	1285E+02	-7315E+03	2477E+03	-4400E+02	1989E+01	1285E+02	-7315E+03	2477E+03	2195E+02	1311E+03
-1050E+02	-4758E+02	1614E+02	-1489E+04	1928E+03	-8041E+04	-1050E+02	-4758E+02	1614E+02	-1489E+04	1139E+04	-5251E+04
-2594E+02	7051E+01	-1773E+02	-3064E+03	-1534E+04	4957E+03	-2594E+02	7051E+01	-1773E+02	-3064E+03	-2912E+03	-4486E+02
-2516E+01	1634E+00	-2192E+01	-2684E+02	-7315E+03	-3530E+02	-2516E+01	1634E+00	-2192E+01	-2684E+02	-3095E+03	-5980E+02
-2807E+01	3300E+01	-6192E+01	-2402E+02	5357E+02	1337E+03	-2807E+01	3300E+01	-6192E+01	-2402E+02	5357E+02	1337E+03



7.2E+00	7.11E-01	2.631E+00	3.85E+01	1.667E+02	2.077E+02	7.242E+00	7.1E-01	2.831E+01	5.365E+01	3.27E+02	1.65E+02
1.00E-01	1.76E-03	4.095E-02	1.155E+00	1.016E+01	1.058E-01	1.909E-01	1.76E-03	4.095E-02	1.155E+00	1.376E+01	2.532E+03
9.50E+02	9.40E+01	6.134E+01	8.936E+02	6.013E+04	5.035E+01	1.950E+02	9.40E+01	6.134E+01	8.936E+02	5.654E+04	1.055E+04
1.03E+01	1.816E+01	1.019E+01	3.380E+02	6.761E+03	9.329E+01	2.103E+01	1.816E+01	1.619E+01	3.380E+02	5.811E+03	1.322E+02
9.99E-01	2.683E+01	1.955E-01	4.718E+02	1.267E+02	1.940E+03	5.999E-01	2.683E+01	1.955E-01	4.718E+02	1.152E+02	3.664E+02
7.624E+02	2.512E+01	1.558E+01	3.829E+03	5.146E+04	4.605E+02	7.624E+02	2.512E+01	1.558E+01	3.829E+03	5.055E+04	1.933E+03
4.400E+02	1.989E+01	1.285E+02	8.238E+02	7.515E+03	2.477E+03	4.400E+02	1.989E+01	1.285E+02	8.238E+02	2.195E+02	1.311E+03
1.050E+02	4.758E+02	1.610E+02	1.469E+04	1.928E+03	8.041E+04	1.050E+02	4.758E+02	1.610E+02	1.469E+04	1.139E+04	5.251E+04
2.594E+02	7.051E+01	1.773E+02	3.064E+03	1.534E+04	4.957E+03	2.594E+02	7.051E+01	1.773E+02	3.064E+03	2.574E+04	8.232E+02
2.516E+01	1.634E+00	2.192E+01	2.684E+02	1.627E+03	3.530E+02	2.516E+01	1.634E+00	2.192E+01	2.684E+02	2.912E+03	4.488E+02
2.607E+01	3.300E+01	6.192E+01	2.602E+02	5.557E+02	1.337E+03	2.607E+01	3.300E+01	6.192E+01	2.602E+02	3.095E+03	5.590E+02
4.216E+01	7.102E+02	3.798E+02	7.1E+03	1.600E+04	1.853E+04	4.216E+01	7.102E+02	3.798E+02	7.1E+03	3.827E+04	2.310E+04
2.606E+01	2.779E+01	5.326E+01	3.474E+02	1.516E+03	2.282E+03	2.606E+01	2.779E+01	5.326E+01	3.474E+02	4.639E+03	2.865E+03
1.73E+02	1.770E+03	1.529E+02	4.342E+03	2.592E+04	4.015E+04	1.73E+02	1.770E+03	1.529E+02	4.342E+03	1.690E+04	6.363E+04
2.591E+02	2.809E+03	1.068E+03	7.083E+02	2.360E+04	1.468E+05	2.591E+02	2.809E+03	1.068E+03	7.083E+02	3.903E+04	1.796E+04
1.560E+02	4.582E+02	4.779E+02	8.002E+03	6.701E+03	3.778E+04	1.560E+02	4.582E+02	4.779E+02	8.002E+03	2.112E+04	6.464E+04
3.388E+01	7.048E+01	5.725E+01	6.741E+02	4.350E+03	1.008E+03	3.388E+01	7.048E+01	5.725E+01	6.741E+02	9.941E+02	3.124E+03
1.890E+01	2.688E+02	2.646E+02	2.792E+03	2.502E+04	4.606E+03	1.890E+01	2.688E+02	2.646E+02	2.792E+03	4.053E+04	1.21E+04
1.631E+02	2.048E+02	5.017E+02	1.343E+03	1.517E+04	6.140E+03	1.631E+02	2.048E+02	5.017E+02	1.343E+03	4.258E+04	5.865E+03
1.215E+02	2.263E+03	2.285E+02	5.878E+02	1.102E+04	1.610E+02	1.215E+02	2.263E+03	2.285E+02	5.878E+02	2.377E+03	3.234E+02
4.763E+01	8.401E+00	3.947E+00	2.000E+02	3.188E+02	4.391E+02	4.763E+01	8.401E+00	3.947E+00	2.000E+02	8.742E+01	5.350E+01
1.492E+02	2.709E+00	1.097E+00	1.050E+01	3.553E+02	3.362E+01	1.492E+02	2.709E+00	1.097E+00	1.050E+01	2.910E+02	1.955E+02
5.683E+02	7.357E+01	3.190E+01	6.242E+02	1.333E+04	7.517E+01	5.683E+02	7.357E+01	3.190E+01	6.242E+02	1.570E+04	4.388E+03
1.061E+02	7.253E+00	1.848E+00	2.258E+01	8.903E+02	3.973E+01	1.061E+02	7.253E+00	1.848E+00	2.258E+01	7.790E+02	4.650E+02
9.470E+01	1.173E+01	3.343E+01	1.371E+02	1.673E+03	1.549E+02	9.470E+01	1.173E+01	3.343E+01	1.371E+02	3.653E+03	8.428E+02
6.438E+02	3.052E+02	2.039E+01	1.518E+02	9.819E+03	7.043E+02	6.438E+02	3.052E+02	2.039E+01	1.518E+02	8.624E+03	1.600E+04
1.986E+01	1.214E+02	1.159E+01	9.007E+01	6.308E+02	1.076E+03	1.986E+01	1.214E+02	1.159E+01	9.007E+01	4.891E+01	8.215E+03
1.274E+01	5.644E+00	5.701E+01	8.751E+01	4.872E+02	6.926E+00	1.274E+01	5.644E+00	5.701E+01	8.751E+01	5.830E+03	3.23E+02

SQUARE ROOT SLM CF THE SQUARES

3.361E+03	1.469E+04	1.454E+03	3.838E+05	1.094E+05	2.875E+06	3.361E+03	1.469E+04	1.454E+03	3.838E+05	1.287E+05	2.037E+06
CLOSELY SPACED MODE SUMMATION METHOD											
3.484E+03	1.513E+04	1.992E+03	3.840E+05	1.248E+05	2.880E+06	3.484E+03	1.513E+04	1.992E+03	3.840E+05	1.581E+05	2.034E+06

ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 31)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
2.897E+03	1.310E+04	7.577E+02	5.586E+05	1.411E+04	1.992E+06	2.897E+03	1.310E+04	7.577E+02	5.586E+05	3.031E+04	1.225E+06
1.268E+02	4.949E+00	8.262E+01	1.505E+03	4.872E+04	2.175E+03	1.268E+02	4.949E+00	8.262E+01	1.505E+03	4.188E+04	2.465E+03
3.179E+02	1.249E+02	1.345E+02	2.039E+04	5.922E+03	2.850E+04	3.179E+02	1.249E+02	1.345E+02	2.039E+04	1.962E+03	2.040E+04
7.267E+00	6.945E-01	7.398E-01	3.916E+01	3.327E+02	1.700E+02	7.267E+00	6.945E-01	7.498E-01	3.916E+01	2.888E+02	1.293E+02
2.755E-01	2.868E-03	1.847E-01	1.150E+00	1.376E+01	1.033E-01	2.755E-01	2.868E-03	1.847E-01	1.150E+00	2.932E+00	6.462E-02
5.749E+02	6.500E+01	7.090E+02	1.811E+03	5.654E+04	1.043E+04	5.749E+02	6.500E+01	7.090E+02	1.811E+03	1.497E+04	1.424E+04
9.009E+00	1.299E+01	6.079E+01	3.252E+02	5.811E+03	1.612E+02	9.009E+00	1.299E+01	6.079E+01	3.252E+02	2.248E+03	9.229E+02
1.152E+00	1.879E+01	4.047E-01	5.020E+02	1.152E+02	3.238E+02	1.152E+00	1.879E+01	4.047E-01	5.020E+02	9.146E+01	7.778E+02
4.315E+02	7.761E+00	5.797E+02	3.646E+03	5.055E+04	2.260E+03	4.315E+02	7.761E+00	5.797E+02	3.646E+03	1.657E+04	2.715E+03
8.368E+02	8.779E+00	1.092E+02	9.350E+02	2.195E+02	1.234E+03	8.368E+02	8.779E+00	1.092E+02	9.350E+02	6.619E+03	7.144E+02
2.638E+02	3.025E-02	1.601E+01	1.025E+04	1.139E+04	5.701E+04	2.638E+02	3.025E-02	1.601E+01	1.025E+04	1.233E+04	3.588E+04
2.889E+02	2.938E+01	1.061E+02	3.124E+03	2.574E+04	5.527E+02	2.889E+02	2.938E+01	1.061E+02	3.124E+03	1.952E+04	1.169E+03
3.054E+01	5.822E-02	1.030E+01	2.222E+02	2.912E+03	4.705E+02	3.054E+01	5.822E-02	1.030E+01	2.222E+02	2.308E+03	4.670E+02
1.689E+01	1.176E+01	1.571E+01	2.071E+02	3.095E+03	6.184E+02	1.689E+01	1.176E+01	1.571E+01	2.071E+02	4.016E+03	1.308E+03
1.125E+02	1.836E+02	1.133E+02	2.152E+03	3.827E+04	2.338E+04	1.125E+02	1.836E+02	1.133E+02	2.152E+03	3.163E+04	3.414E+04
5.951E-01	2.226E+01	1.108E+01	9.636E+01	4.639E+03	2.884E+03	5.951E-01	2.226E+01	1.108E+01	9.636E+01	3.989E+03	4.189E+03
1.511E+02	2.091E+02	3.726E+02	1.227E+03	1.690E+04	6.377E+04	1.511E+02	2.091E+02	3.726E+02	1.227E+03	4.883E+03	7.602E+04
4.625E+02	3.136E+02	4.428E+02	2.273E+03	3.903E+04	1.783E+04	4.625E+02	3.136E+02	4.428E+02	2.273E+03	6.499E+04	3.621E+04
2.495E+02	6.599E+01	1.436E+02	2.331E+03	2.112E+04	6.509E+04	2.495E+02	6.599E+01	1.436E+02	2.331E+03	2.954E+04	6.123E+04
7.001E+00	4.917E+00	6.958E+01	5.982E+02	9.941E+02	3.138E+03	7.001E+00	4.917E+00	6.958E+01	5.982E+02	3.085E+03	2.900E+03
2.879E+01	3.668E+01	4.658E+01	1.716E+03	4.053E+02	1.240E+04	2.879E+01	3.668E+01	4.658E+01	1.716E+03	1.323E+04	1.025E+04
2.124E+02	4.648E+01	2.780E+02	8.263E+02	4.258E+04	5.959E+03	2.124E+02	4.648E+01	2.780E+02	8.263E+02	2.629E+04	3.206E+03
1.442E+02	2.374E+00	1.843E+02	5.573E+02	2.377E+03	3.735E+02	1.442E+02	2.374E+00	1.843E+02	5.573E+02	1.318E+04	2.343E+02
3.853E+01	2.196E+01	8.531E+00	2.099E+02	8.742E+01	3.532E+01	3.853E+01	2.196E+01	8.531E+00	2.099E+02	4.128E+02	1.252E+03
1.181E+02	1.272E+00	1.235E-01	2.751E+01	2.910E+02	1.938E+02	1.181E+02	1.272E+00	1.235E-01	2.751E+01	2.983E+02	2.683E+02
4.091E+02	7.086E+01	3.146E+02	1.105E+03	1.570E+04	4.317E+03	4.091E+02	7.086E+01	3.146E+02	1.105E+03	2.740E+03	1.634E+02
9.045E+01	2.635E+01	1.808E+01	1.808E+01	7.796E+02	5.522E+02	9.045E+01	2.635E+01	1.808E+01	1.808E+01	7.653E+02	6.119E+00
5.589E+01	7.553E+00	6.306E+01	6.302E+01	3.651E+03	8.515E+02	5.589E+01	7.553E+00	6.302E+01	6.302E+01	9.307E+01	4.087E+02
3.371E+02	2.844E+02	2.212E+02	1.471E+03	8.624E+03	1.854E+04	3.371E+02	2.844E+02	2.212E+02	1.471E+03	4.345E+03	1.638E+03
4.229E+01	1.613E+02	1.177E+01	8.271E+02	4.891E+01	6.192E+03	4.229E+01	1.613E+02	1.177E+01	8.271E+02	7.386E+02	1.265E+03
1.190E+01	3.596E+00	5.200E+01	5.891E+01	7.830E+03	3.303E+02	1.190E+01	3.596E+00	5.200E+01	5.891E+01	7.462E+02	1.195E+02

SQUARE ROOT SLM CF THE SQUARES

3.221E+03	1.311E+04	1.524E+03	5.591E+05	1.287E+05	1.996E+06	3.221E+03	1.311E+04	1.524E+03	5.591E+05	1.048E+05	1.230E+06
CLOSELY SPACED MODE SUMMATION METHOD											
3.413E+03	1.312E+04	1.811E+03	5.592E+05	1.581E+05	1.997E+06	3.413E+03	1.312E+04	1.811E+03	5.592E+05	1.323E+05	1.235E+06





-.9035E+01	-.8039E+01	-.7635E+01	-.688E+01	-.779E+02	-.4652E+02	-.9045E+01	-.8035E+01	-.2635E+01	-.1808E+01	-.2635E+02	-.6119E+00
-.5564E+01	-.7553E+00	-.6390E+01	-.6302E+01	-.3653E+03	-.8515E+02	-.5589E+01	-.7553E+00	-.6390E+01	-.6302E+01	-.7307E+01	-.4087E+02
-.3371E+02	-.2043E+02	-.2212E+02	-.1471E+03	-.8624E+03	-.1854E+02	-.3371E+02	-.2043E+02	-.2212E+02	-.1471E+03	-.4345E+03	-.1638E+03
-.229E+01	-.1013E+02	-.1177E+01	-.6271E+02	-.4891E+01	-.8192E+01	-.229E+01	-.1013E+02	-.1177E+01	-.6271E+02	-.7380E+02	-.1265E+03
-.1190E+01	-.3596E+00	-.5260E+01	-.5891E+01	-.3830E+03	-.3303E+02	-.1190E+01	-.3596E+00	-.5260E+01	-.5891E+01	-.7462E+02	-.1195E+02

SQUARE ROOT SLM CF THE SQUARES  
 .3221E+03 .1311E+04 .1524E+03 .5591E+05 .1287E+05 .1996E+06 .3221E+03 .1311E+04 .1524E+03 .5591E+05 .1048E+05 .1230E+06  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .3413E+03 .1312E+04 .1811E+03 .5592E+05 .1581E+05 .1977E+06 .3413E+03 .1312E+04 .1811E+03 .5592E+05 .1323E+05 .1235E+06

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 32)

PX(I)	VY(J)	VZ(J)	TX(I)	MY(J)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-.2820E+03	-.1310E+04	-.1008E+03	.6633E+05	-.3631E+04	-.1171E+06	-.2920E+03	-.1310E+04	-.1008E+03	.6633E+05	-.3631E+04	-.1171E+06
.1191E+02	.4949E+00	.9337E+01	.1715E+03	-.4188E+04	-.2329E+03	.1191E+02	.4949E+00	.9337E+01	.1715E+03	-.3640E+04	-.2619E+03
.3049E+02	-.1297E+02	.1617E+02	-.1849E+04	.1962E+03	-.2260E+04	.3049E+02	-.1297E+02	.1617E+02	-.1849E+04	.1144E+04	-.1499E+04
.7174E+00	.6945E+01	.1381E+00	.2773E+01	-.2888E+02	.1322E+02	.7174E+00	.6945E+01	.1381E+00	.2773E+01	-.2078E+02	.9149E+01
-.2583E+01	-.2868E+03	-.2080E+01	.1151E+00	.2932E+00	.3530E+02	-.2583E+01	-.2868E+03	-.2080E+01	.1151E+00	-.9263E+00	-.1323E+01
-.5106E+02	.6500E+01	-.7565E+02	.3047E+03	.1497E+04	-.1403E+04	-.5106E+02	.6500E+01	-.7565E+02	.3047E+03	-.2937E+04	-.1784E+04
.3669E+00	-.1299E+01	.6135E+01	.2434E+02	-.2248E+03	.9478E+02	.3669E+00	-.1299E+01	.6135E+01	.2434E+02	.1349E+03	.1710E+03
.1710E+00	.1879E+01	.5561E+01	-.4322E+02	-.9146E+01	-.8187E+02	.1710E+00	.1879E+01	.5561E+01	-.4322E+02	-.5886E+01	-.1920E+03
-.4805E+02	.7761E+00	.5398E+02	-.3395E+03	-.1057E+04	-.3023E+03	-.4805E+02	.7761E+00	.5398E+02	-.3395E+03	.1508E+04	-.3478E+03
-.6439E+02	.8779E+00	.5317E+01	-.9942E+02	.6619E+03	.6351E+02	-.6439E+02	.8779E+00	.5317E+01	-.9942E+02	.9730E+03	.1204E+02
-.2041E+02	-.3025E+02	-.9696E+00	.7061E+03	.1233E+04	-.3063E+04	-.2041E+02	-.3025E+02	-.9696E+00	.7061E+03	.1176E+04	-.1890E+04
-.2071E+02	.2938E+01	.8045E+01	-.3010E+03	-.1992E+04	-.1438E+03	-.2071E+02	.2938E+01	.8045E+01	-.3010E+03	-.1480E+04	-.3166E+03
-.3132E+01	-.5622E+02	.7599E+00	-.1866E+02	-.2308E+03	-.4852E+02	-.3132E+01	-.5622E+02	.7599E+00	-.1866E+02	-.1862E+03	-.4816E+02
-.1546E+01	.1176E+01	-.1713E+01	-.9213E+01	-.4016E+03	-.1321E+03	-.1546E+01	.1176E+01	-.1713E+01	-.9213E+01	.5020E+03	-.2011E+03
-.1150E+02	.1630E+02	-.1238E+02	.8362E+02	.3143E+04	-.3420E+04	-.1150E+02	.1630E+02	-.1238E+02	.8362E+02	.2437E+04	.4446E+04
-.3742E+01	-.2226E+01	.1109E+01	-.2694E+02	-.3989E+03	.4181E+03	-.3742E+01	-.2226E+01	.1109E+01	-.2694E+02	.3339E+03	.5486E+03
.1180E+02	.2091E+02	.3844E+02	.7857E+03	.4603E+03	-.7507E+04	.1180E+02	.2091E+02	.3844E+02	.7857E+03	.2742E+04	-.8768E+04
-.4994E+02	-.3136E+02	.4007E+02	-.5423E+03	.6499E+04	.3588E+04	-.4994E+02	-.3136E+02	.4007E+02	-.5423E+03	.8848E+04	.5426E+04
.2610E+02	-.6599E+01	-.1213E+02	.3022E+03	-.2954E+04	-.6120E+04	.2610E+02	-.6599E+01	-.1213E+02	.3022E+03	-.3665E+04	.5733E+04
.9014E+01	.4917E+00	.6993E+01	.3424E+02	.3085E+03	.2941E+03	.9014E+01	.4917E+00	.6993E+01	.3424E+02	.7184E+03	.2635E+03
-.1197E+01	.3668E+01	.4666E+02	.8149E+02	-.1323E+04	.1037E+04	-.1197E+01	.3668E+01	.4666E+02	.8149E+02	.1412E+04	.8215E+03
.1879E+02	.4698E+01	.2955E+02	.5034E+02	-.2029E+04	.3265E+03	.1879E+02	.4698E+01	.2955E+02	.5034E+02	-.8962E+03	.5114E+02
.1597E+02	.2374E+00	-.1710E+02	.5347E+02	-.1318E+04	.2820E+02	.1597E+02	.2374E+00	-.1710E+02	.5347E+02	-.2320E+04	.1429E+02
.3913E+01	.2196E+01	-.5138E+00	-.9983E+01	.4128E+02	-.1265E+03	.3913E+01	.2196E+01	-.5138E+00	-.9983E+01	.7140E+02	-.2553E+03
-.1177E+02	.1272E+00	-.1019E+01	.5083E+01	.2783E+02	-.2649E+02	-.1177E+02	.1272E+00	-.1019E+01	.5083E+01	-.2988E+02	-.3395E+02
.4697E+02	.7026E+01	.3570E+02	-.1015E+03	.2740E+03	.7505E+01	.4697E+02	.7026E+01	.3570E+02	-.1015E+03	.2367E+04	-.4007E+03
-.9241E+01	-.8039E+00	.1836E+01	.1748E+01	.7653E+02	.7674E+00	-.9241E+01	-.8039E+00	.1836E+01	.1748E+01	.1841E+03	.4789E+02
.6126E+01	-.7553E+00	-.5878E+01	-.2710E+01	-.9347E+01	-.4127E+02	.6126E+01	-.7553E+00	-.5878E+01	-.2710E+01	.3539E+03	.3009E+01
.3165E+02	-.2849E+02	.3245E+02	.1626E+03	.4345E+03	-.1703E+03	.3165E+02	-.2849E+02	.3245E+02	.1626E+03	.1899E+04	.1500E+04
.4315E+01	-.1613E+02	-.8030E+00	.5143E+02	.7386E+02	-.1315E+03	.4315E+01	-.1613E+02	-.8030E+00	.5143E+02	.1209E+03	.1077E+04
.7262E+00	-.3596E+00	.5343E+01	-.4825E+01	-.7462E+02	-.1242E+02	.7262E+00	-.3596E+00	.5343E+01	-.4825E+01	.2386E+03	.8601E+01

SQUARE ROOT SLM CF THE SQUARES  
 .3146E+03 .1311E+04 .1674E+03 .6637E+05 .1048E+05 .1177E+06 .3146E+03 .1311E+04 .1674E+03 .6637E+05 .1528E+05 .1424E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .3340E+03 .1312E+04 .1930E+03 .6639E+05 .1323E+05 .1182E+06 .3340E+03 .1312E+04 .1930E+03 .6639E+05 .1921E+05 .1442E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

PX(I)	VY(J)	VZ(J)	TX(I)	MY(J)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-.2556E+03	-.9057E+03	-.1478E+03	.6960E+05	-.8938E+04	-.3441E+05	-.2556E+03	-.9057E+03	-.1478E+03	.6960E+05	-.1760E+05	.1808E+05
.7743E+00	.8581E+00	.2524E+02	.1936E+03	-.3640E+04	-.2455E+03	.7743E+00	.8581E+00	.2524E+02	.1936E+03	-.2161E+04	-.2956E+03
.3503E+02	-.1169E+02	.1982E+02	-.1711E+04	.1144E+04	-.1655E+04	.3503E+02	-.1169E+02	.1982E+02	-.1711E+04	.2306E+04	-.9696E+03
.6383E+00	.7559E+01	.4163E+00	.1966E+01	-.2078E+02	.9355E+01	.6383E+00	.7559E+01	.4163E+00	.1966E+01	.3624E+01	.4924E+01
-.3168E+01	-.6780E+03	-.2692E+01	.1159E+00	-.9263E+00	-.3151E+02	-.3168E+01	-.6780E+03	-.2692E+01	.1159E+00	-.2504E+01	-.4290E+01
-.7728E+02	-.1721E+01	-.1007E+03	.6590E+03	.2937E+04	-.1751E+04	-.7728E+02	-.1721E+01	-.1007E+03	.6590E+03	-.8840E+04	-.1650E+04
.2559E+01	-.1150E+00	.7713E+01	.9358E+01	.1349E+03	.1724E+03	.2559E+01	-.1150E+00	.7713E+01	.9358E+01	.8840E+04	.1742E+03
.2917E+00	.2874E+01	-.9637E+02	-.2633E+02	-.5886E+01	-.1951E+03	.2917E+00	.2874E+01	-.9637E+02	-.2633E+02	-.6451E+01	-.1967E+03
-.2426E+02	-.4281E+01	.6662E+02	-.3079E+03	.1508E+04	-.3760E+03	-.2426E+02	-.4281E+01	.6662E+02	-.3079E+03	.5413E+04	-.1251E+03
-.7996E+02	-.1212E+01	-.2059E+02	-.1001E+03	.9736E+03	.3335E+01	-.7996E+02	-.1212E+01	-.2059E+02	-.1001E+03	.2537E+03	.7441E+02
-.4257E+02	-.2279E+02	-.2640E+02	-.5408E+03	.1176E+04	-.1945E+04	-.4257E+02	-.2279E+02	-.2640E+02	-.5408E+03	-.3710E+03	-.6005E+03
-.3861E+02	-.2667E+01	.2385E+02	-.2724E+03	-.1486E+04	-.3410E+03	-.3861E+02	-.2667E+01	.2385E+02	-.2724E+03	-.8228E+02	-.1846E+03
-.4376E+01	-.5431E+00	.2759E+01	-.1439E+02	-.1862E+03	-.4962E+02	-.4376E+01	-.5431E+00	.2759E+01	-.1439E+02	-.2451E+02	-.1770E+02
-.2253E+01	-.1760E+01	.6935E+01	.8335E+01	-.5020E+03	-.2011E+03	-.2253E+01	-.1760E+01	.6935E+01	.8335E+01	-.9540E+02	-.9741E+02
-.9154E+01	-.6268E+02	-.3470E+02	.4749E+03	.2437E+04	-.4472E+04	-.9154E+01	-.6268E+02	-.3470E+02	.4749E+03	.3913E+03	-.1970E+04
.1106E+01	.5365E+01	.5253E+01	-.7464E+02	-.3339E+03	.5442E+03	.1106E+01	.5365E+01	.5253E+01	-.7464E+02	-.2599E+02	-.2477E+03
-.1746E+02	-.1172E+03	-.1944E+02	.1548E+04	.2742E+04	-.8086E+04	-.1746E+02	-.1172E+03	-.1944E+02	.1548E+04	.1601E+04	-.1817E+04



2.259E+01	1.155E+01	7.713E+01	3.58E+01	1.34E+03	1.72E+03	2.559E+01	1.1E+00	7.713E+01	9.358E+01	5.470E+03	1.742E+03
2.017E+00	2.874E-01	9.637E-02	2.633E+02	5.88E-01	1.951E+03	2.917E+00	2.874E-01	9.637E-02	2.633E+02	5.451E+01	1.967E+03
2.26E+02	4.281E+01	6.662E+02	3.079E+03	1.508E+04	3.760E+03	2.426E+02	4.281E+01	6.662E+02	3.079E+03	5.413E+04	1.251E+03
9.96E+02	1.212E+01	2.059E+02	1.001E+03	9.736E+03	3.335E+04	7.99E+02	1.212E+01	2.059E+02	1.001E+03	5.408E+03	3.716E+03
4.257E+02	2.279E+02	2.640E+02	5.408E+03	1.176E+04	1.945E+04	4.257E+02	2.279E+02	2.640E+02	5.408E+03	3.716E+03	6.005E+03
3.861E+02	2.667E+01	2.385E+02	2.724E+03	1.460E+04	3.410E+03	3.861E+02	2.667E+01	2.385E+02	2.724E+03	1.460E+04	3.410E+03
4.376E+01	5.431E+00	2.759E+01	1.439E+02	1.862E+03	4.962E+02	4.376E+01	5.431E+00	2.759E+01	1.439E+02	1.862E+03	4.962E+02
2.253E+01	1.760E+01	6.935E+01	8.335E+01	5.020E+03	2.011E+03	2.253E+01	1.760E+01	6.935E+01	8.335E+01	5.020E+03	2.011E+03
9.154E+01	4.268E+02	3.490E+02	4.749E+03	2.437E+04	4.272E+04	9.154E+01	4.268E+02	3.490E+02	4.749E+03	2.437E+04	4.272E+04
1.106E+01	5.365E+01	5.253E+01	7.444E+02	3.339E+03	5.442E+03	1.106E+01	5.365E+01	5.253E+01	7.444E+02	3.339E+03	5.442E+03
1.476E+02	1.172E+03	1.946E+02	1.548E+04	2.742E+04	8.686E+04	1.476E+02	1.172E+03	1.946E+02	1.548E+04	2.742E+04	8.686E+04
3.887E+02	1.034E+03	1.023E+03	1.013E+04	8.848E+04	5.358E+04	3.887E+02	1.034E+03	1.023E+03	1.013E+04	8.848E+04	5.358E+04
2.141E+02	8.372E+02	4.477E+02	8.003E+03	3.665E+04	5.685E+04	2.141E+02	8.372E+02	4.477E+02	8.003E+03	3.665E+04	5.685E+04
8.046E+00	5.534E+01	6.731E+01	1.104E+02	7.184E+03	2.673E+03	8.046E+00	5.534E+01	6.731E+01	1.104E+02	7.184E+03	2.673E+03
2.357E+01	2.608E+02	1.237E+02	9.627E+01	1.412E+04	2.255E+03	2.357E+01	2.608E+02	1.237E+02	9.627E+01	1.412E+04	2.255E+03
9.840E+01	1.448E+02	3.803E+02	4.968E+02	8.962E+03	5.568E+02	9.840E+01	1.448E+02	3.803E+02	4.968E+02	8.962E+03	5.568E+02
9.239E+01	1.601E+01	3.133E+02	5.203E+02	2.320E+04	1.689E+02	9.239E+01	1.601E+01	3.133E+02	5.203E+02	2.320E+04	1.689E+02
2.602E+01	2.699E+01	7.153E+00	1.229E+02	7.140E+02	2.552E+03	2.602E+01	2.699E+01	7.153E+00	1.229E+02	7.140E+02	2.552E+03
7.042E+01	5.221E+00	6.838E+00	8.020E+01	2.988E+02	3.338E+02	7.042E+01	5.221E+00	6.838E+00	8.020E+01	2.988E+02	3.338E+02
3.975E+02	2.093E+01	2.654E+02	6.561E+02	2.167E+04	4.152E+03	3.975E+02	2.093E+01	2.654E+02	6.561E+02	2.167E+04	4.152E+03
6.557E+01	2.924E+00	2.051E+01	2.431E+01	1.841E+03	4.787E+02	6.557E+01	2.924E+00	2.051E+01	2.431E+01	1.841E+03	4.787E+02
1.728E+01	4.972E+00	3.083E+01	2.962E+01	3.539E+03	2.761E+01	1.728E+01	4.972E+00	3.083E+01	2.962E+01	3.539E+03	2.761E+01
2.179E+01	6.495E+01	2.673E+02	3.137E+02	1.899E+04	1.508E+04	2.179E+01	6.495E+01	2.673E+02	3.137E+02	1.899E+04	1.508E+04
5.519E+01	1.176E+02	2.199E+01	4.258E+02	1.209E+03	1.078E+04	5.519E+01	1.176E+02	2.199E+01	4.258E+02	1.209E+03	1.078E+04
2.390E+01	2.387E+00	1.627E+01	5.561E+01	2.386E+03	8.207E+01	2.390E+01	2.387E+00	1.627E+01	5.561E+01	2.386E+03	8.207E+01

SQUARE ROOT SUM OF THE SQUARES

2.951E+03	9.248E+03	2.396E+03	6.965E+05	1.528E+05	3.682E+05	2.951E+03	9.248E+03	2.396E+03	6.965E+05	2.115E+05	1.908E+05
3.197E+03	9.485E+03	2.778E+03	6.969E+05	1.921E+05	3.903E+05	3.197E+03	9.485E+03	2.778E+03	6.969E+05	2.193E+05	1.929E+05

ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 34)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
9.309E+02	9.057E+03	1.417E+03	6.769E+05	1.760E+05	2.470E+05	9.309E+02	9.057E+03	1.417E+03	6.769E+05	9.338E+04	7.752E+05
1.278E+01	8.581E+00	2.818E+02	2.18E+03	2.161E+04	2.777E+03	1.278E+01	8.581E+00	2.818E+02	2.18E+03	5.176E+03	3.277E+03
3.444E+01	1.169E+02	1.763E+02	1.619E+04	2.306E+04	1.116E+04	3.444E+01	1.169E+02	1.763E+02	1.619E+04	1.278E+04	4.342E+03
1.388E+00	7.559E-01	3.270E-01	1.527E+01	3.622E+01	5.078E+01	1.388E+00	7.559E-01	3.270E-01	1.527E+01	1.717E+01	6.693E+00
1.226E-01	6.780E-03	1.572E-01	1.192E+00	2.504E+01	3.258E-01	1.226E-01	6.780E-03	1.572E-01	1.192E+00	1.1587E+01	7.212E-01
7.212E+02	1.721E+01	4.623E+02	6.018E+03	8.848E+04	1.654E+04	7.212E+02	1.721E+01	4.623E+02	6.018E+03	1.1044E+04	1.503E+04
7.410E+01	1.150E+00	2.238E+01	6.377E+01	5.870E+03	1.793E+03	7.410E+01	1.150E+00	2.238E+01	6.377E+01	4.565E+03	1.860E+03
3.497E+00	2.874E-01	7.967E-01	8.991E+01	6.451E+01	1.983E+03	3.497E+00	2.874E-01	7.967E-01	8.991E+01	1.805E+01	2.000E+03
9.270E+02	4.281E+01	4.280E+01	2.958E+03	5.413E+04	1.516E+03	9.270E+02	4.281E+01	4.280E+01	2.958E+03	5.164E+04	9.802E+02
1.636E+02	1.212E+01	3.967E+02	1.062E+03	2.337E+03	6.535E+02	1.636E+02	1.212E+01	3.967E+02	1.062E+03	2.080E+04	1.361E+03
6.025E+01	2.279E+02	2.036E+02	4.054E+03	3.716E+03	6.536E+03	6.025E+01	2.279E+02	2.036E+02	4.054E+03	8.159E+03	6.756E+03
3.329E+02	2.667E+01	2.831E+02	2.551E+03	8.228E+02	2.078E+03	3.329E+02	2.667E+01	2.831E+02	2.551E+03	1.569E+04	5.222E+02
3.695E+01	5.431E+00	3.355E+01	1.278E+02	2.051E+02	1.898E+02	3.695E+01	5.431E+00	3.355E+01	1.278E+02	1.711E+03	1.270E+02
8.351E+01	1.760E+01	7.613E+00	1.688E+02	9.548E+02	9.680E+02	8.351E+01	1.760E+01	7.613E+00	1.688E+02	5.456E+02	5.601E+01
2.175E+02	4.268E+02	5.271E+02	6.457E+03	3.913E+03	1.921E+04	2.175E+02	4.268E+02	5.271E+02	6.457E+03	2.683E+04	5.64E+03
4.227E+00	5.365E+01	5.091E+01	9.448E+02	2.599E+02	2.223E+03	4.227E+00	5.365E+01	5.091E+01	9.448E+02	2.709E+03	9.059E+02
5.118E+02	1.172E+03	1.990E+02	1.701E+04	1.001E+04	1.675E+04	5.118E+02	1.172E+03	1.990E+02	1.701E+04	2.761E+04	5.159E+04
1.119E+02	1.034E+03	8.587E+02	9.472E+03	2.650E+04	1.792E+03	1.119E+02	1.034E+03	8.587E+02	9.472E+03	2.158E+04	6.625E+04
1.461E+02	8.372E+02	4.343E+02	8.653E+03	1.040E+04	7.035E+03	1.461E+02	8.372E+02	4.343E+02	8.653E+03	1.493E+04	4.179E+04
4.595E+01	5.534E+01	1.522E+01	1.640E+02	3.238E+03	5.591E+02	4.595E+01	5.534E+01	1.522E+01	1.640E+02	2.350E+03	3.70E+03
2.451E+02	2.608E+02	4.266E+02	7.122E+02	2.138E+04	2.998E+03	2.451E+02	2.608E+02	4.266E+02	7.122E+02	4.625E+04	2.221E+04
2.691E+02	1.448E+02	6.435E+02	1.190E+03	1.333E+04	7.859E+03	2.691E+02	1.448E+02	6.435E+02	1.190E+03	5.086E+04	1.631E+04
5.464E+01	1.601E+01	3.093E+02	5.839E+02	4.438E+03	7.012E+02	5.464E+01	1.601E+01	3.093E+02	5.839E+02	1.320E+04	1.635E+03
2.019E+01	2.699E+01	1.367E+01	2.072E+02	2.946E+02	9.550E+02	2.019E+01	2.699E+01	1.367E+01	2.072E+02	5.025E+02	6.141E+02
9.492E+01	5.221E+00	1.677E+01	8.232E+01	1.021E+02	2.056E+01	9.492E+01	5.221E+00	1.677E+01	8.232E+01	8.759E+02	2.839E+02
5.257E+02	2.493E+01	1.132E+02	4.178E+02	8.107E+03	2.737E+03	5.257E+02	2.493E+01	1.132E+02	4.178E+02	1.503E+03	1.283E+03
6.696E+01	2.924E+00	3.213E+01	5.113E+01	6.389E+02	3.039E+02	6.696E+01	2.924E+00	3.213E+01	5.113E+01	1.235E+03	1.334E+02
1.151E+01	4.972E+00	2.891E+01	5.747E+01	1.733E+03	3.153E+02	1.151E+01	4.972E+00	2.891E+01	5.747E+01	4.735E+01	6.052E+02
1.195E+02	6.495E+01	1.831E+02	6.755E+02	3.317E+03	1.126E+04	1.195E+02	6.495E+01	1.831E+02	6.755E+02	7.763E+03	7.72E+03
5.426E+01	1.176E+02	2.807E+01	7.643E+02	7.987E+01	3.629E+03	5.426E+01	1.176E+02	2.807E+01	7.643E+02	1.717E+03	3.029E+03
3.247E+01	2.387E+00	1.620E+00	7.485E+01	1.433E+03	2.163E+02	3.247E+01	2.387E+00	1.620E+00	7.485E+01	1.071E+03	3.555E+02

SQUARE ROOT SUM OF THE SQUARES

1.591E+03	9.248E+03	2.145E+03	6.775E+05	2.115E+05	2.500E+05	1.591E+03	9.248E+03	2.145E+03	6.775E+05	1.525E+05	7.818E+05
1.809E+03	9.485E+03	2.584E+03	6.779E+05	2.193E+05	2.516E+05	1.809E+03	9.485E+03	2.584E+03	6.779E+05	1.775E+05	7.908E+05



5.3247E+01 .1176E+01 .2807E+01 .6643E+02 .7487E+01 .3629E+03 .5426E+01 .1156E+02 .2807E+01 .7643E+02 .7171E+03 .3029E+03  
 .3247E+01 .2387E+00 .6200E+00 .7485E+01 .1433E+03 .2163E+02 .3247E+01 .2387E+00 .6200E+00 .7485E+01 .7171E+03 .3029E+03

SQUARE ROOT SUM OF THE SQUARES

.1591E+03 .9248E+03 .2145E+03 .6775E+05 .2115E+05 .2500E+05 .1591E+03 .9248E+03 .2145E+03 .6775E+05 .1525E+05 .7818E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .1809E+03 .9485E+03 .2584E+03 .6779E+05 .2193E+05 .2516E+05 .1809E+03 .9485E+03 .2584E+03 .6779E+05 .1775E+05 .7908E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 35)

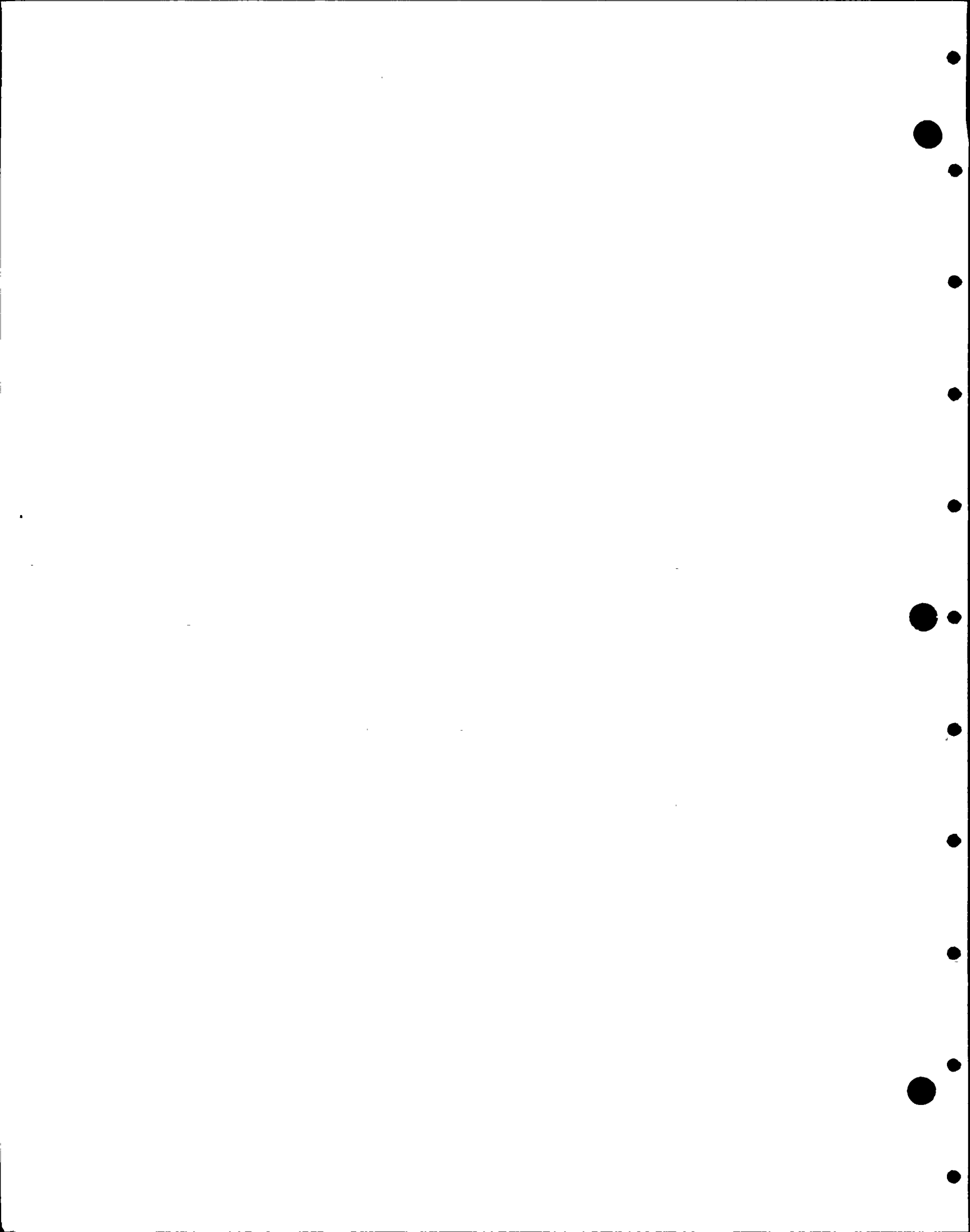
PX(I)	YY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	YY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
.6669E+02	-.9589E+02	.4722E+02	-.6769E+05	-.7752E+05	-.9338E+04	-.5386E+01	-.1178E+03	.4722E+02	.6719E+04	-.9840E+05	.1773E+04
-.1391E+02	-.3531E+02	.1928E+01	.2128E+03	.3277E+03	-.5176E+03	-.3278E+02	-.1913E+02	.1928E+01	.4367E+03	.3010E+03	.2313E+04
.4433E+01	.1937E+02	-.7429E+01	-.1619E+04	.4342E+03	.1278E+04	.1544E+02	.1243E+02	-.7429E+01	-.1242E+04	.6537E+03	-.3728E+03
.3241E+01	-.7876E-01	.5003E-01	.1527E+01	-.6693E+00	.1717E+01	-.2328E-01	-.8192E-01	.5003E-01	.2394E+01	.3173E+01	.1007E+02
.1792E-02	-.1789E-01	.1414E-02	.1192E+00	.7212E-01	-.1587E+01	-.9666E-02	-.1516E-01	.1414E-02	.1837E+00	.1142E+00	.1313E+00
.2756E+02	-.5664E+02	-.7497E+01	.6018E+03	.1503E+04	-.6144E+04	-.1340E+02	-.6154E+02	-.7497E+01	.1162E+04	.1126E+03	.9053E-01
-.3888E+01	.3340E+01	.1169E+01	-.6376E+01	-.1860E+03	.4565E+03	-.8304E+00	.4906E+01	.1169E+01	-.8249E+02	-.3361E+02	.2782E+02
.5358E+00	.2300E+00	-.2106E+01	-.8991E+01	.2000E+03	-.1805E+01	.5632E+00	-.1509E+00	-.2106E+01	.4893E+02	-.3284E+02	-.5920E+01
-.5308E+02	.2962E+02	-.8959E+01	-.2958E+03	-.9803E+02	.5164E+04	-.2336E+02	.5612E+02	-.8959E+01	-.5812E+03	-.7256E+03	.7001E+03
-.3326E+02	.4449E+01	-.3120E+01	-.1062E+03	-.1301E+03	-.2080E+04	-.2338E+02	.2408E+02	-.3120E+01	-.2680E+03	-.3308E+03	.5970E+03
-.9347E+01	.4945E+01	.3806E+01	-.4854E+03	-.6750E+03	.8159E+03	-.4282E+01	.9609E+01	.3806E+01	-.6769E+03	.1230E+03	.5618E+02
-.4412E+02	-.9697E+01	-.5546E+01	-.2551E+03	.5222E+02	.1569E+04	-.4066E+02	.1969E+02	-.5546E+01	-.3465E+03	-.3159E+03	.1050E+04
-.5276E+01	-.1351E+01	-.4775E+01	-.1278E+02	.1270E+02	.1711E+03	-.4980E+01	.2204E+01	-.4775E+01	-.3326E+02	-.4639E+02	.1268E+03
-.1019E+02	-.6457E+01	-.1072E+01	.1688E+02	-.5861E+01	-.5456E+02	-.1213E+02	.1078E+01	-.1072E+01	-.2465E+02	-.1146E+03	.2355E+03
-.2197E+02	-.3474E+02	-.1031E+01	.6457E+03	-.5684E+03	-.2683E+04	-.3876E+02	-.1369E+02	-.1031E+01	.1222E+03	-.9418E+03	-.1651E+03
.2192E+01	.3342E+01	-.7343E-01	-.9448E+02	.9459E+02	.2709E+03	.3821E+01	.1308E+01	-.7343E-01	-.2052E+02	.1228E+03	.2652E+02
.6666E+02	.7103E+02	.4717E+02	.1701E+04	-.5159E+04	.2761E+04	.9632E+02	.1455E+02	.4717E+02	-.3382E+03	-.7264E+03	-.1608E+04
.1500E+02	.6848E+00	-.5650E+02	-.9477E+03	.6825E+04	-.2158E+04	.1221E+02	-.8747E+01	-.5650E+02	.1662E+04	.7030E+03	-.1735E+04
.4581E+01	.1221E+02	.3545E+02	.8653E+03	-.4179E+04	.1493E+04	.1115E+02	.6755E+01	.3545E+02	-.7662E+03	-.5281E+03	.5067E+03
.5382E+01	.7053E+01	-.2701E+01	.1606E+02	.3786E+03	.2350E+03	.8593E+01	.2210E+01	-.2701E+01	.1609E+03	.3676E+02	-.2466E+03
.3692E+02	.8174E+02	-.1238E+02	.7122E+02	.2221E+04	.4625E+04	.7958E+02	.4136E+02	-.1238E+02	.1032E+04	.5509E+03	-.1774E+04
.2700E+02	.7893E+02	-.7755E+01	.1190E+03	.1631E+04	.5086E+04	.7005E+02	.4529E+02	-.7755E+01	.8530E+03	-.8733E+03	-.1372E+04
-.7772E+01	.1084E+02	.1022E+00	.5839E+02	.1635E+03	.1320E+04	.6058E+00	.1333E+02	.1022E+00	.1503E+03	.1018E+03	.6342E+02
.8320E+00	.8791E+00	.4174E+00	.2078E+02	-.6191E+02	.5025E+02	.1198E+01	.1757E+00	.4174E+00	-.8591E+01	-.2271E+02	-.4586E+01
-.3818E+01	-.2751E+01	.4607E+00	.8232E+01	-.2839E+02	-.8759E+02	-.4702E+01	.2017E+00	.4607E+00	.3717E+01	.1536E+02	.4495E+02
.4713E+02	.2507E+02	-.3876E+01	-.4178E+02	.1263E+03	.1503E+03	.5253E+02	-.9477E+01	-.3876E+01	-.7813E+02	-.2332E+03	-.6601E+03
-.2151E+01	-.2290E+01	.2390E+00	-.5113E+01	-.1338E+02	-.1235E+03	.3107E+01	-.4675E+00	.2390E+00	-.4581E+01	.1487E+02	.1967E+02
-.6527E+01	-.3372E+01	.9073E+00	-.5747E+01	-.6452E+02	-.4735E+01	.7214E+01	.1390E+01	.9073E+00	-.1278E+02	.4024E+02	.9829E+02
-.2374E+02	-.1810E+02	.1016E+02	-.6755E+02	-.7472E+03	.7363E+03	-.2987E+02	.4402E+00	.1016E+02	-.1904E+03	.3924E+03	.1839E+03
.6223E+01	.4894E+01	-.2752E+01	-.7643E+02	.3029E+03	.1717E+03	.7917E+01	-.7176E-02	-.2752E+01	.3669E+02	.2978E+02	-.8236E+02
.6508E+01	.4588E+01	.2763E+00	-.7465E+01	-.3555E+02	.1071E+03	.7951E+01	-.4234E+00	.2763E+00	-.1699E+02	.2358E+01	-.1094E+03

SQUARE ROOT SUM OF THE SQUARES

.1886E+03 .1887E+03 .9751E+02 .6775E+05 .7818E+05 .1525E+05 .1752E+03 .1643E+03 .9751E+02 .7388E+04 .9842E+05 .4735E+04  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .1739E+03 .2267E+03 .1397E+03 .6779E+05 .7908E+05 .1775E+05 .2219E+03 .1815E+03 .1397E+03 .7858E+04 .9844E+05 .6057E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 35)

PX(J)	YY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.7715E+02	-.8922E+02	.4722E+02	-.5410E+05	-.7707E+05	.1254E+05
-.3759E+02	.5253E+01	.1928E+01	.5913E+03	.1452E+03	.3035E+04
.1482E+02	.2129E+00	-.7429E+01	-.8134E+03	.5926E+03	-.1030E+04
-.6898E-01	-.4994E-01	.5003E-01	.5454E+01	.5654E+01	.1693E+02
-.1698E-01	-.5931E-02	.1414E-02	.2605E+00	.1073E+00	.1228E+01
-.4861E+02	-.4005E+02	-.7497E+01	.7411E+03	-.1326E+04	.5282E+04
.2383E+01	.4367E+01	.1169E+01	-.4797E+02	.1332E+03	-.4542E+03
.3491E+00	-.4671E+00	-.2106E+01	-.4964E+02	-.2516E+03	.2621E+02
.1637E+02	.5854E+02	-.8959E+01	-.1194E+04	-.1042E+04	-.5255E+04
-.3461E+01	.3338E+02	-.3120E+01	-.5156E+03	-.3836E+03	-.2390E+04
.2619E+01	.1020E+02	.3806E+01	-.3332E+03	.8688E+03	-.9791E+03
-.1976E+02	.4062E+02	-.5546E+01	-.6461E+03	-.5485E+03	-.2086E+04
-.2548E+01	.4813E+01	-.4775E+01	-.7020E+02	-.6019E+02	-.2380E+03
-.8858E+01	.8350E+01	-.1072E+01	-.1249E+03	-.1741E+03	-.2546E+03
-.3892E+02	.1323E+02	-.1031E+01	-.5200E+03	-.9112E+03	-.1412E+03
.3811E+01	-.1337E+01	-.7343E-01	-.5752E+02	.1024E+03	.2401E+02
.8466E+02	-.4818E+02	.4717E+02	.8023E+03	.4017E+04	.6062E+02
.4178E+01	-.1443E+02	-.5656E+02	-.7711E+02	-.5720E+04	-.5339E+03
.1294E+02	-.1566E+01	.3545E+02	.2117E+03	.3350E+04	.2385E+03
.8117E+01	-.3581E+01	-.2701E+01	.6150E+02	-.3209E+03	-.1753E+03



PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
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SQUARE ROOT SUM OF THE SQUARES  
 2382E+03 .6716E+03 .1557E+03 .5416E+05 .1615E+05 .7753E+03 .2382E+03 .6716E+03 .1557E+03 .5416E+05 .1738E+05 .5666E+03  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .3257E+03 .6774E+03 .2094E+03 .5416E+05 .1729E+05 .7813E+03 .3257E+03 .6774E+03 .2094E+03 .5416E+05 .1796E+05 .5720E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 37)

FX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.1067E+02	.9294E+03	.6535E+02	-.5411E+05	.1486E+05	.5623E+05	.1067E+02	.9294E+03	.6535E+02	-.5411E+05	.1486E+05	.5623E+05
-.3848E+02	.2976E+01	-.2495E+02	.5914E+03	.2443E+04	-.2307E+03	-.3848E+02	.2976E+01	-.2495E+02	.5914E+03	.2443E+04	-.2307E+03
.2685E+02	-.4972E+01	.9577E+01	-.8103E+03	-.8237E+03	-.4137E+03	.2685E+02	-.4972E+01	.9577E+01	-.8103E+03	-.8237E+03	-.4137E+03
-.8390E+01	-.2308E+01	-.1254E+00	.5455E+01	.1473E+02	-.5661E+01	-.8390E+01	-.2308E+01	-.1254E+00	.5455E+01	.1473E+02	-.5661E+01
-.1816E+01	.1326E+02	-.8430E+02	.2665E+00	.1107E+01	-.1524E+00	-.1816E+01	.1326E+02	-.8430E+02	.2665E+00	.1107E+01	-.1524E+00
-.4056E+02	.1179E+02	-.3160E+02	.7409E+03	.5019E+04	.1143E+04	-.4056E+02	.1179E+02	-.3160E+02	.7409E+03	.5019E+04	.1143E+04
.2250E+01	-.8454E+00	.2438E+01	-.4795E+02	-.4470E+03	-.1268E+03	.2250E+01	-.8454E+00	.2438E+01	-.4795E+02	-.4470E+03	-.1268E+03
.1072E+01	.9779E+00	.8114E+01	-.4968E+02	.3331E+02	.2532E+03	.1072E+01	.9779E+00	.8114E+01	-.4968E+02	.3331E+02	.2532E+03
.2179E+02	.1598E+01	.2709E+02	-.1194E+04	-.5292E+04	.1112E+04	.2179E+02	.1598E+01	.2709E+02	-.1194E+04	-.5292E+04	.1112E+04
-.2232E+01	.1334E+01	.6488E+01	-.5157E+03	-.2651E+04	.3940E+03	-.2232E+01	.1334E+01	.6488E+01	-.5157E+03	-.2651E+04	.3940E+03
-.1497E+01	-.2115E+01	.3423E+01	-.3330E+03	-.1034E+04	-.8857E+03	-.1497E+01	-.2115E+01	.3423E+01	-.3330E+03	-.1034E+04	-.8857E+03
-.2379E+02	.5147E+01	.3109E+01	-.6462E+03	-.2506E+04	.4934E+03	-.2379E+02	.5147E+01	.3109E+01	-.6462E+03	-.2506E+04	.4934E+03
-.3258E+01	.7070E+00	.2418E+00	-.7021E+02	-.2911E+03	.4921E+02	-.3258E+01	.7070E+00	.2418E+00	-.7021E+02	-.2911E+03	.4921E+02
-.1467E+02	.3666E+01	-.7096E+00	-.1249E+03	-.3732E+03	.6902E+02	-.1467E+02	.3666E+01	-.7096E+00	-.1249E+03	-.3732E+03	.6902E+02
-.1422E+03	.5109E+02	.2475E+01	-.5199E+03	-.2111E+03	-.4366E+03	-.1422E+03	.5109E+02	.2475E+01	-.5199E+03	-.2111E+03	-.4366E+03
.1631E+02	-.6132E+01	-.2649E+00	.5751E+02	.3571E+02	.6226E+02	.1631E+02	-.6132E+01	-.2649E+00	.5751E+02	.3571E+02	.6226E+02
.1060E+03	-.1718E+02	.2718E+02	.8031E+03	.1383E+04	-.4344E+04	.1060E+03	-.1718E+02	.2718E+02	.8031E+03	.1383E+04	-.4344E+04
-.1831E+03	.9263E+02	.3668E+02	-.7785E+02	.7006E+03	.4060E+04	-.1831E+03	.9263E+02	.3668E+02	-.7785E+02	.7006E+03	.4060E+04
.1018E+03	-.4416E+02	-.1188E+02	.2122E+03	-.9180E+02	-.2714E+04	.1018E+03	-.4416E+02	-.1188E+02	.2122E+03	-.9180E+02	-.2714E+04
-.7323E+01	.7447E+01	.6975E+01	.6147E+02	.6364E+02	.1550E+03	-.7323E+01	.7447E+01	.6975E+01	.6147E+02	.6364E+02	.1550E+03
-.2076E+01	.4504E+02	.8849E+02	.7530E+03	-.3694E+03	.2263E+03	-.2076E+01	.4504E+02	.8849E+02	.7530E+03	-.3694E+03	.2263E+03
.1359E+02	.3637E+02	.8769E+02	.7221E+03	-.7777E+03	-.1069E+03	.1359E+02	.3637E+02	.8769E+02	.7221E+03	-.7777E+03	-.1069E+03
.6174E+01	.2923E+01	.2374E+02	.1844E+03	-.6195E+03	-.9731E+02	.6174E+01	.2923E+01	.2374E+02	.1844E+03	-.6195E+03	-.9731E+02
.1690E+01	.3187E+00	-.4984E+00	.7365E+01	.9363E+01	-.4672E+02	.1690E+01	.3187E+00	-.4984E+00	.7365E+01	.9363E+01	-.4672E+02
-.2076E+01	-.1479E+01	.2699E+01	.2725E+02	-.8370E+02	-.1424E+02	-.2076E+01	-.1479E+01	.2699E+01	.2725E+02	-.8370E+02	-.1424E+02
.2971E+02	.1736E+02	-.3697E+02	-.3304E+03	.1367E+04	-.6342E+01	.2971E+02	.1736E+02	-.3697E+02	-.3304E+03	.1367E+04	-.6342E+01
-.2935E+01	-.1575E+01	.9032E+00	.1329E+02	-.2765E+02	.1228E+02	-.2935E+01	-.1575E+01	.9032E+00	.1329E+02	-.2765E+02	.1228E+02
-.8025E+01	.4704E+01	.4757E+01	.4405E+02	.2002E+03	.2116E+02	-.8025E+01	.4704E+01	.4757E+01	.4405E+02	.2002E+03	.2116E+02
-.1088E+03	-.6382E+02	.1658E+02	.4184E+03	-.5829E+03	.7405E+03	-.1088E+03	-.6382E+02	.1658E+02	.4184E+03	-.5829E+03	.7405E+03
.8135E+01	.6270E+01	-.3273E+01	-.3959E+02	.1454E+03	.1033E+03	.8135E+01	.6270E+01	-.3273E+01	-.3959E+02	.1454E+03	.1033E+03
-.1707E+01	-.2120E+01	-.3211E+01	-.4574E+01	.1729E+03	.3884E+02	-.1707E+01	-.2120E+01	-.3211E+01	-.4574E+01	.1729E+03	.3884E+02

SQUARE ROOT SUM OF THE SQUARES  
 .3077E+03 .9409E+03 .1638E+03 .5417E+05 .1738E+05 .5665E+05 .3077E+03 .9409E+03 .1638E+03 .5417E+05 .2430E+05 .2783E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .4262E+03 .9505E+03 .2178E+03 .5419E+05 .1796E+05 .5719E+05 .4262E+03 .9505E+03 .2178E+03 .5419E+05 .2746E+05 .2926E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 38)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.9158E+02	.1256E+04	.3554E+02	-.5411E+05	.2063E+05	-.2556E+05	.9158E+02	.1256E+04	.3554E+02	-.5411E+05	.2063E+05	-.2556E+05
-.3923E+02	.2705E+01	-.3332E+02	.5914E+03	.2476E+03	-.4927E+03	-.3923E+02	.2705E+01	-.3332E+02	.5914E+03	.2476E+03	-.4927E+03
.2172E+02	-.3813E+01	.1307E+02	-.8103E+03	.1906E+02	-.2383E+02	.2172E+02	-.3813E+01	.1307E+02	-.8103E+03	.1906E+02	-.2383E+02
-.9729E+01	-.5801E+01	-.2039E+00	.5455E+01	.3690E+01	-.6300E+01	-.9729E+01	-.5801E+01	-.2039E+00	.5455E+01	.3690E+01	-.6300E+01
-.1917E+01	.4747E+03	-.1525E+01	.2605E+00	.3659E+00	-.2691E+00	-.1917E+01	.4747E+03	-.1525E+01	.2605E+00	.3659E+00	-.2691E+00
-.5014E+02	.1846E+02	-.6894E+02	.7409E+03	.2236E+04	.1060E+03	-.5014E+02	.1846E+02	-.6894E+02	.7409E+03	.2236E+04	.1060E+03
.2110E+01	-.1724E+01	.6231E+01	-.4795E+02	-.2333E+03	-.5244E+02	.2110E+01	-.1724E+01	.6231E+01	-.4795E+02	-.2333E+03	-.5244E+02
.1731E+01	.2734E+01	-.3478E+00	-.4968E+02	.4045E+02	.1672E+03	.1731E+01	.2734E+01	-.3478E+00	-.4968E+02	.4045E+02	.1672E+03
.2657E+02	.1011E+02	.7649E+02	-.1194E+04	-.2914E+04	.9711E+03	.2657E+02	.1011E+02	.7649E+02	-.1194E+04	-.2914E+04	.9711E+03
-.1070E+01	.4824E+01	.4115E+02	-.5157E+03	-.2080E+04	.2766E+03	-.1070E+01	.4824E+01	.4115E+02	-.5157E+03	-.2080E+04	.2766E+03
-.5270E+01	-.9821E+01	.1549E+02	-.3330E+03	-.7328E+03	-.6996E+03	-.5270E+01	-.9821E+01	.1549E+02	-.3330E+03	-.7328E+03	-.6996E+03
-.2707E+02	.7922E+01	.4379E+02	-.6462E+03	-.2233E+04	.4039E+02	-.2707E+02	.7922E+01	.4379E+02	-.6462E+03	-.2233E+04	.4039E+02
-.3850E+01	.8156E+00	.5176E+01	-.7021E+02	-.2098E+03	-.1301E+02	-.3850E+01	.8156E+00	.5176E+01	-.7021E+02	-.2098E+03	-.1301E+02
-.1965E+02	.1579E+01	.8139E+01	-.1249E+03	-.4356E+03	-.2268E+02	-.1965E+02	.1579E+01	.8139E+01	-.1249E+03	-.4356E+03	-.2268E+02
-.2329E+03	-.1569E+02	.5111E+01	-.5199E+03	.6697E+01	-.4932E+03	-.2329E+03	-.1569E+02	.5111E+01	-.5199E+03	.6697E+01	-.4932E+03
.2731E+02	.2157E+01	-.7480E+00	.5751E+02	.1239E+02	.0101E+03	.2731E+02	.2157E+01	-.7480E+00	.5751E+02	.1239E+02	.0101E+03
.1222E+03	-.7393E+02	-.6200E+02	.8031E+03	.3775E+04	-.2833E+04	.1222E+03	-.7393E+02	-.6200E+02	.8031E+03	.3775E+04	-.2833E+04
-.3374E+03	.2700E+02	.5550E+02	-.7784E+02	.3926E+04	-.4072E+04	-.3374E+03	.2700E+02	.5550E+02	-.7784E+02	.3926E+04	-.4072E+04
.1789E+03	-.2797E+02	.1425E+02	-.1137E+03	.1137E+04	.1789E+03	.1789E+03	-.2797E+02	.1425E+02	-.1137E+03	.1137E+04	.1789E+03
-.2120E+02	-.2074E+01	-.1017E+02	.0147E+02	.6775E+03	-.5004E+03	-.2120E+02	-.2074E+01	-.1017E+02	.0147E+02	.6775E+03	-.5004E+03
-.8536E+02	-.3363E+02	-.1104E+03	.7530E+03	.7418E+04	-.3737E+04	-.8536E+02	-.3363E+02	-.1104E+03	.7530E+03	.7418E+04	-.3737E+04
-.5158E+02	-.3570E+02	.1029E+03	.7221E+03	.0940E+04	-.3307E+04	-.5158E+02	-.3570E+02	.1029E+03	.7221E+03	.0940E+04	-.3307E+04
.3265E+01	-.5980E+01	-.2153E+02	.1844E+03	.1470E+04	-.3545E+03	.3265E+01	-.5980E+01	-.2153E+02	.1844E+03	.1470E+04	-.3545E+03



-3.0E+01	.8156E+01	.5178E+01	.021E+02	-.269E+03	-.1301E+07	.3850E+01	.8E+00	.5178E+01	-.7021E+02	-.716E+02	-.480E+02
-.10E+02	.157E+01	.8139E+01	-.124E+03	-.435E+03	-.226E+03	-.1965E+02	.157E+01	.8139E+01	-.124E+03	-.056E+02	-.294E+03
.232E+03	-.156E+02	.511E+01	-.519E+03	.669E+01	-.493E+01	.232E+03	-.156E+02	.511E+01	-.519E+03	.226E+03	-.425E+03
.2731E+02	.2197E+01	-.748E+00	.5751E+02	.123E+02	.601E+01	.2731E+02	.2197E+01	-.748E+00	.5751E+02	-.1981E+02	.5074E+01
.1222E+03	-.739E+02	-.626E+02	.8031E+03	.377E+04	-.283E+01	.1222E+03	-.739E+02	-.626E+02	.8031E+03	.1083E+04	.346E+03
-.3474E+03	.2740E+02	-.555E+02	-.778E+02	.392E+04	-.407E+04	-.3474E+03	.2740E+02	-.555E+02	-.778E+02	.1540E+04	-.5251E+04
.178E+03	-.279E+02	.142E+02	.212E+03	-.113E+04	.117E+04	.178E+03	-.279E+02	.142E+02	.212E+03	-.524E+03	.237E+04
-.2120E+02	-.2074E+01	-.101E+02	.614E+02	.677E+03	-.500E+03	-.2120E+02	-.2074E+01	-.101E+02	.614E+02	.240E+03	-.411E+03
-.853E+02	-.336E+02	-.110E+03	.7530E+03	.741E+04	-.373E+04	-.853E+02	-.336E+02	-.110E+03	.7530E+03	.2671E+04	-.2291E+04
-.5158E+02	-.3570E+02	-.102E+03	.7221E+03	.6940E+04	-.330E+04	-.5158E+02	-.3570E+02	-.102E+03	.7221E+03	.2514E+04	-.177E+04
.326E+01	-.5980E+01	-.215E+02	.184E+03	.147E+04	-.354E+03	.326E+01	-.5980E+01	-.215E+02	.184E+03	.5440E+03	-.9740E+02
.2121E+01	-.161E+01	.524E+00	-.736E+01	-.345E+02	-.747E+02	.2121E+01	-.161E+01	.524E+00	-.736E+01	-.119E+02	-.523E+01
-.461E+00	.178E+01	-.227E+01	.272E+02	.153E+03	-.115E+03	-.461E+00	.178E+01	-.227E+01	.272E+02	.559E+02	.389E+02
.208E+02	-.272E+02	.277E+02	-.330E+03	-.188E+04	-.153E+04	.208E+02	-.272E+02	.277E+02	-.330E+03	-.693E+03	-.368E+03
-.275E+01	.265E+01	-.793E+00	.132E+02	.518E+02	-.150E+03	-.275E+01	.265E+01	-.793E+00	.132E+02	.177E+02	.279E+02
-.9A6E+01	.869E+01	-.318E+01	.440E+02	.214E+03	.435E+03	-.9A6E+01	.869E+01	-.318E+01	.440E+02	.775E+02	.613E+02
-.1721E+03	.133E+03	-.150E+02	.414E+03	.876E+03	.635E+04	-.1721E+03	.133E+03	-.150E+02	.414E+03	.228E+03	.602E+03
.650E+01	-.652E+01	.218E+01	-.395E+02	-.142E+03	-.448E+03	.650E+01	-.652E+01	.218E+01	-.395E+02	-.485E+02	-.817E+02
-.855E+01	.533E+01	.144E+01	-.457E+01	-.109E+03	-.254E+03	-.855E+01	.533E+01	.144E+01	-.457E+01	-.477E+02	-.399E+01

SQUARE ROOT SUM OF THE SQUARES  
 .5274E+03 .1268E+04 .2207E+03 .5417E+05 .2430E+05 .2783E+05 .5274E+03 .1268E+04 .2207E+03 .5417E+05 .2262E+05 .7997E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .7264E+03 .1273E+04 .2948E+03 .5419E+05 .2746E+05 .2926E+05 .7264E+03 .1273E+04 .2948E+03 .5419E+05 .2307E+05 .8025E+05

ELEMENT TYPE (3/D P I P E) / / / ELEMENT NUMBER ( 39)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	NZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	NZ(C)
.9158E+02	-.125E+04	-.355E+02	-.541E+05	-.721E+05	.795E+05	-.823E+03	-.952E+03	-.355E+02	-.544E+05	.214E+05	.120E+06
-.392E+02	-.270E+01	.333E+02	.591E+03	.118E+04	.609E+03	-.296E+02	.258E+02	.333E+02	.169E+04	.1080E+04	.1781E+03
.217E+02	.381E+01	-.130E+02	-.810E+03	-.581E+03	-.187E+03	-.120E+02	-.130E+02	-.115E+04	-.253E+03	-.225E+02	-.225E+02
-.972E+01	.586E+01	.203E+00	.545E+01	.507E+01	.111E+01	-.273E+01	.110E+00	.203E+00	.1014E+02	.622E+01	-.203E+01
-.191E+01	-.474E+03	.152E+01	.260E+00	.290E+00	.289E+00	-.138E+01	.132E+01	.152E+01	.590E+00	.506E+00	.519E+01
-.501E+02	-.184E+02	.639E+02	.760E+03	.126E+03	.687E+03	-.485E+02	.224E+02	.689E+02	.1047E+04	.218E+04	.614E+03
.2110E+01	.172E+01	-.623E+01	-.479E+02	-.346E+02	-.217E+02	.271E+01	-.272E+00	-.623E+01	-.140E+03	-.188E+03	-.481E+02
.1731E+01	-.273E+01	.344E+00	-.49E+02	-.256E+02	-.495E+02	-.709E+00	-.315E+01	.344E+00	-.487E+02	.279E+02	.602E+02
.2658E+02	-.101E+02	-.764E+02	-.119E+04	-.375E+03	-.536E+03	.1164E+02	-.259E+02	-.764E+02	-.211E+04	-.185E+04	.135E+03
-.1070E+01	-.684E+01	-.411E+02	-.515E+03	.309E+03	-.681E+02	-.418E+01	-.267E+01	-.411E+02	-.689E+03	-.725E+03	.720E+02
-.5270E+01	.982E+01	-.154E+02	-.333E+03	.668E+02	.277E+03	.321E+01	.106E+02	-.154E+02	-.392E+03	-.210E+03	-.104E+03
-.270E+02	.792E+01	-.437E+02	-.64E+02	.347E+03	.300E+03	-.247E+02	.175E+02	-.437E+02	-.786E+03	-.889E+03	.195E+03
-.385E+01	-.815E+00	-.517E+01	-.702E+02	.471E+02	.480E+02	-.329E+01	.214E+01	-.517E+01	-.845E+02	-.817E+02	.233E+02
-.166E+02	-.157E+01	-.813E+01	-.124E+03	.856E+02	.294E+03	-.150E+02	.127E+02	-.813E+01	-.135E+03	-.110E+03	.859E+02
-.232E+03	.156E+02	-.511E+01	-.519E+03	-.226E+03	.425E+04	-.153E+03	.175E+03	-.511E+01	-.595E+03	.448E+02	.666E+03
.2731E+02	-.219E+01	.749E+00	.5751E+02	.198E+02	-.507E+03	.177E+02	-.208E+02	.749E+00	.645E+02	-.222E+01	-.775E+02
.1222E+03	-.739E+02	-.626E+02	.8031E+03	-.108E+04	-.346E+03	.138E+03	-.341E+02	.626E+02	.627E+03	.658E+03	-.108E+04
-.3474E+03	.2740E+02	-.555E+02	-.778E+02	-.154E+04	.525E+04	-.265E+03	.226E+03	-.555E+02	-.411E+03	.734E+03	.154E+04
.178E+03	-.279E+02	-.142E+02	.212E+03	.524E+03	-.237E+04	.146E+03	-.106E+03	-.142E+02	.333E+03	-.232E+03	-.907E+03
-.2120E+02	-.2074E+01	.101E+02	.614E+02	-.240E+03	.411E+03	-.135E+02	.164E+02	.101E+02	.766E+01	.110E+03	.650E+02
-.853E+02	-.336E+02	-.110E+03	.7530E+03	-.267E+04	.2291E+04	-.305E+02	.841E+02	-.110E+03	.990E+02	.109E+04	.956E+02
-.5158E+02	-.3570E+02	-.102E+03	.7221E+03	-.251E+04	.177E+04	-.112E+02	.617E+02	.102E+03	.889E+02	.985E+03	-.439E+02
.326E+01	-.5980E+01	.215E+02	.184E+03	-.544E+03	.653E+01	.191E+01	.215E+02	.294E+02	.169E+03	-.498E+02	-.498E+02
.2121E+01	-.161E+01	.524E+00	-.736E+01	.119E+02	.264E+01	-.356E+00	-.524E+00	.363E+01	-.304E+01	-.162E+02	-.162E+02
-.461E+00	.178E+01	-.227E+01	.272E+02	-.559E+02	-.389E+02	-.159E+01	-.938E+00	.227E+01	.968E+01	.135E+02	.118E+02
.208E+02	-.272E+02	.277E+02	-.330E+03	.693E+03	.360E+03	.340E+02	.457E+01	-.277E+02	-.109E+03	-.159E+03	-.233E+03
-.275E+01	.265E+01	-.793E+00	.132E+02	-.177E+02	-.279E+02	-.396E+01	-.719E+01	.793E+00	.734E+01	.334E+01	.266E+02
-.9A6E+01	-.869E+01	-.318E+01	.440E+02	-.775E+02	-.613E+02	-.131E+02	.829E+00	.318E+01	.182E+02	.152E+02	.852E+02
-.1721E+03	.133E+03	-.150E+02	.414E+03	-.228E+03	-.602E+03	.216E+03	.270E+02	.150E+02	.333E+03	.225E+02	.136E+04
.650E+01	-.652E+01	.218E+01	-.395E+02	.485E+02	-.817E+02	.120E+02	-.281E+01	-.224E+02	-.724E+02	-.747E+01	-.760E+02
-.855E+01	.533E+01	.144E+01	-.457E+01	.477E+02	.399E+01	-.982E+01	.228E+01	-.144E+01	.114E+02	-.894E+01	.609E+02

SQUARE ROOT SUM OF THE SQUARES  
 .5274E+03 .1268E+04 .2207E+03 .5417E+05 .2262E+05 .7997E+05 .931E+03 .1009E+04 .2207E+03 .5453E+05 .2180E+05 .1208E+06  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .7264E+03 .1273E+04 .2948E+03 .5419E+05 .2307E+05 .8025E+05 .1021E+04 .1052E+04 .2948E+03 .5456E+05 .2193E+05 .1208E+06

ELEMENT TYPE (3/D P I P E) / / / ELEMENT NUMBER ( 39)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	NZ(J)
-.125E+04	-.9158E+02	-.355E+02	-.237E+05	.525E+05	.140E+06
-.270E+01	.392E+02	.333E+02	.268E+04	.908E+03	-.103E+04
.381E+01	-.217E+02	-.130E+02	-.116E+04	.222E+03	.618E+03



CLOSELY SPACED MODE SUMMATION METHOD  
 7264E+03 1273E+04 2948E+03 5419E+05 2307E+05 8025E+05 1021E+04 1052E+04 2948E+03 5456E+05 193E+05 1200E+06

ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 39 )

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-1256E+04	-9158E+02	-3554E+02	-2376E+05	5251E+05	1402E+06
-2705E+01	3923E+02	3332E+02	2685E+04	9042E+03	-1034E+04
3813E+01	-2172E+02	-1307E+02	-1169E+04	2223E+03	6182E+03
5861E+01	9729E+01	2039E+00	1425E+02	3720E+01	-5906E+01
-4747E+03	1917E+01	1525E+01	9769E+00	4257E+00	-5517E+00
-1446E+02	5014E+02	6894E+02	3829E+04	2362E+04	-7379E+03
1724E+01	-2110E+01	-6231E+01	-3150E+03	-2324E+03	-4343E+01
-2734E+01	-1731E+01	3448E+00	-1011E+02	6520E+02	1513E+03
-1011E+02	-2658E+02	-7649E+02	-3817E+04	-2248E+04	1114E+04
-4849E+01	1070E+01	-4115E+02	-1542E+04	-1336E+04	1019E+03
9821E+01	5270E+01	-1549E+02	-6300E+03	-3036E+03	-4018E+03
-7022E+01	2707E+02	-4377E+02	-1621E+04	-1324E+04	-5613E+03
-8156E+00	3850E+01	-5178E+01	-1853E+03	-1028E+03	-8845E+02
-1579E+01	1905E+02	-8139E+01	-2806E+03	-2413E+03	-5185E+03
1569E+02	2327E+03	-5112E+01	-4565E+03	2899E+03	-6929E+04
-2197E+01	-2731E+02	7490E+00	5352E+02	-2381E+02	2203E+03
7393E+02	-1222E+03	6260E+02	1734E+04	2014E+04	1827E+04
-2740E+02	3474E+03	5556E+02	9603E+03	2578E+04	-9150E+04
2797E+02	-1789E+03	-1425E+02	-1165E+03	-6532E+03	4416E+04
2074E+01	2120E+02	1017E+02	2174E+03	3941E+03	-6361E+03
3363E+02	8537E+02	1104E+03	2297E+04	4215E+04	-3064E+04
3570E+02	5158E+02	1029E+03	2116E+04	3908E+04	-2156E+04
5980E+01	-3265E+01	2153E+02	4247E+03	7843E+03	-2470E+02
1617E+01	-2121E+01	-5246E+00	-1167E+02	-1024E+02	2792E+02
-1789E+01	0617E+00	2275E+01	4843E+02	7514E+02	2078E+02
2729E+02	-2082E+02	-2775E+02	-5550E+03	9183E+03	6971E+02
-2857E+01	2756E+01	7938E+00	1802E+02	2243E+02	-2341E+02
-8693E+01	9865E+01	3183E+01	6564E+02	9971E+02	-1141E+03
-1338E+03	1721E+03	1507E+02	4503E+03	2598E+03	-2325E+04
8527E+01	-8566E+01	-2186E+01	-4924E+02	-5879E+02	8352E+02
-5334E+01	6559E+01	-1443E+01	-1722E+02	-6035E+02	-1411E+03

SQUARE ROOT SUM OF THE SQUARES

1268E+04 5274E+03 2207E+03 2495E+05 5309E+05 1409E+06  
 CLOSELY SPACED MODE SUMMATION METHOD  
 1273E+04 7264E+03 2948E+03 2536E+05 5362E+05 1414E+06

ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 40 )

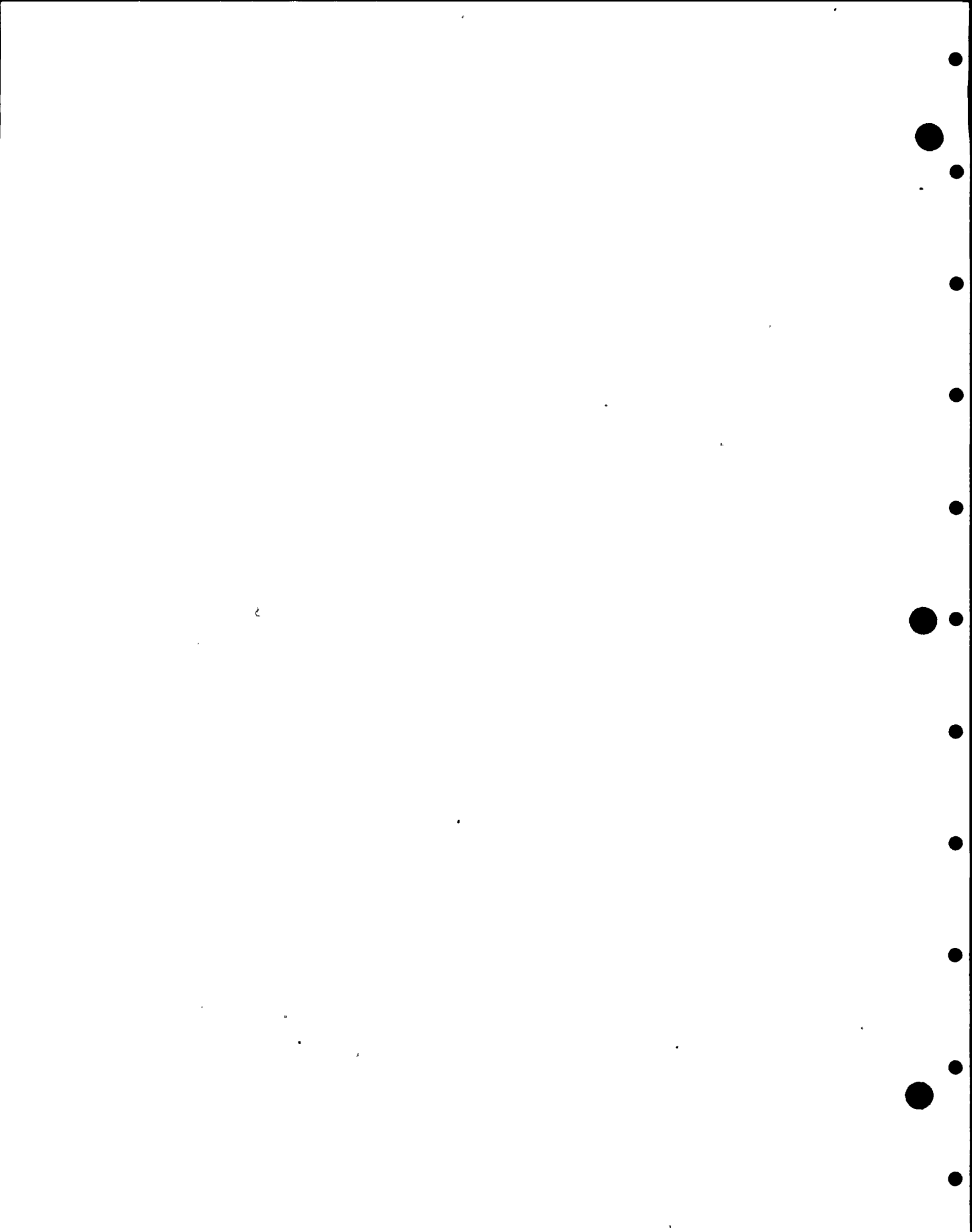
PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-1256E+04	-3784E+01	9816E+02	-2376E+05	1155E+06	-9531E+05	-1256E+04	-3784E+01	9816E+02	-2376E+05	1155E+06	-9531E+05
-2705E+01	1873E+02	-4794E+02	2685E+04	-1274E+04	-5219E+03	-2705E+01	1873E+02	-4794E+02	2685E+04	-1274E+04	-5223E+03
3813E+01	-5280E+01	2479E+02	-1169E+04	5121E+03	-4115E+03	3813E+01	-5280E+01	2479E+02	-1169E+04	5127E+03	-4114E+03
5861E+01	1611E+00	-1584E+00	1425E+02	-6795E+01	-1594E+01	5861E+01	1611E+00	-1584E+00	1425E+02	-6799E+01	-1598E+01
-4747E+03	8176E+02	-2309E+01	9769E+00	-6602E+00	-2229E+00	-4747E+03	8176E+02	-2309E+01	9769E+00	-6608E+00	-2230E+00
-1446E+02	4886E+02	-6986E+02	3829E+04	1467E+04	-1493E+04	-1446E+02	4886E+02	-6986E+02	3829E+04	-1408E+04	-1994E+04
1724E+01	-5204E+01	4024E+01	-3150E+03	7158E+02	2212E+03	1724E+01	-5204E+01	4024E+01	-3150E+03	7168E+02	2213E+03
-2734E+01	8896E+00	1524E+01	-1011E+02	1219E+03	-1109E+03	-2734E+01	8896E+00	1524E+01	-1011E+02	1219E+03	-1109E+03
-1011E+02	-6367E+02	5003E+02	-3817E+04	1786E+04	-1762E+04	-1011E+02	-6367E+02	5003E+02	-3817E+04	1787E+04	1764E+04
-4849E+01	-3926E+02	1239E+02	-1542E+04	5315E+03	1234E+04	-4849E+01	-3926E+02	1239E+02	-1542E+04	5318E+03	1231E+04
9821E+01	5966E+02	-6300E+03	-2014E+03	4748E+03	9821E+01	5966E+02	-6300E+03	4748E+03	9821E+01	5969E+02	-6300E+03
-7922E+01	-5022E+02	-1133E+02	-1621E+04	9949E+02	1435E+04	-7922E+01	-5022E+02	-1133E+02	-1621E+04	9976E+02	1436E+04
-8156E+00	-6149E+01	-1954E+01	-1858E+03	-3062E+02	1827E+03	-8156E+00	-6149E+01	-1954E+01	-1858E+03	-3067E+02	1858E+03
-1579E+01	-1409E+02	-1593E+02	-2806E+03	-4117E+03	3970E+03	-1579E+01	-1409E+02	-1593E+02	-2806E+03	-4121E+03	3974E+03
1569E+02	-8067E+02	-2186E+03	-4565E+03	-6646E+04	1982E+04	1569E+02	-8067E+02	-2186E+03	-4565E+03	-6651E+04	1984E+04
-2197E+01	9000E+01	2558E+02	5352E+02	7835E+03	-2446E+03	-2197E+01	9000E+01	2558E+02	5352E+02	7840E+03	-2446E+03
7393E+02	9899E+02	9519E+02	1072E+04	-2499E+04	7393E+02	9899E+02	9519E+02	1072E+04	-2499E+04	7393E+02	9899E+02
-2740E+02	-6060E+02	-3466E+03	9603E+03	-9491E+04	5421E+03	-2740E+02	-6060E+02	-3466E+03	9603E+03	-9499E+04	5435E+03
2797E+02	4478E+02	1738E+03	-1165E+03	4453E+04	-6312E+03	2797E+02	4478E+02	1738E+03	-1165E+03	4457E+04	-6323E+03
2074E+01	2712E+01	-2336E+02	2174E+03	-7304E+03	-1774E+03	2074E+01	2712E+01	-2336E+02	2174E+03	-7310E+03	-1675E+03
3363E+02	7659E+02	-1167E+03	2297E+04	-4270E+04	-2938E+04	3363E+02	7659E+02	-1167E+03	2297E+04	-4272E+04	-2969E+04
3570E+02	8050E+02	-8227E+02	2116E+04	-3311E+04	-2993E+04	3570E+02	8050E+02	-8227E+02	2116E+04	-3313E+04	-2995E+04
5980E+01	2142E+02	-3921E+01	4247E+03	-2788E+03	7335E+03	5980E+01	2142E+02	-3923E+01	4247E+03	-2789E+03	7341E+03
1617E+01	1947E+00	2174E+01	-1167E+02	3169E+02	6267E+01	1617E+01	1947E+00	2176E+01	-1167E+02	3174E+02	6262E+01
-1789E+01	2001E+01	-1177E+01	4643E+02	-4821E+01	-7781E+02	-1789E+01	2001E+01	-1177E+01	4643E+02	-4849E+01	-7786E+02
2729E+02	-1946E+02	2879E+02	-5550E+03	3644E+03	8455E+03	2729E+02	-1946E+02	2872E+02	-5556E+03	3650E+03	8460E+03



-217E+01	.9600E+02	.2558E+02	.352E+02	.783E+03	-.2446E+03	.2197E+01	.9600E+01	.2558E+02	.5352E+02	.7840E+03	-.2446E+03
.733E+02	.9899E+02	.9519E+02	.1734E+04	.1072E+04	-.2499E+04	.7393E+02	.9879E+02	.9519E+02	.1734E+04	.1074E+04	-.2502E+04
-.2740E+02	-.6060E+02	-.3466E+03	.9603E+03	-.9491E+04	.5421E+03	-.2740E+02	-.6060E+02	-.3466E+03	.9603E+03	-.9499E+04	.5435E+03
.2797E+02	.4478E+02	.1738E+03	-.1165E+03	.4453E+04	-.6312E+03	.2797E+02	.4478E+02	.1738E+03	-.1165E+03	.4457E+04	-.6323E+03
.2074E+01	.2712E+01	-.2336E+02	.2174E+03	-.7304E+03	-.1674E+03	.2074E+01	.2712E+01	-.2336E+02	.2174E+03	-.7310E+03	-.1675E+03
.3363E+02	.7659E+02	-.1167E+03	.2297E+04	-.4270E+04	-.2988E+04	.3363E+02	.7659E+02	-.1167E+03	.2297E+04	-.4272E+04	-.2989E+04
.3570E+02	.8050E+02	-.8227E+02	.2116E+04	-.3311E+04	-.2993E+04	.3570E+02	.8050E+02	-.8227E+02	.2116E+04	-.3313E+04	-.2995E+04
.5980E+01	.2142E+02	-.3923E+01	.4247E+03	-.2788E+03	-.7335E+03	.5980E+01	.2142E+02	-.3923E+01	.4247E+03	-.2789E+03	-.7341E+03
.1617E+01	.1947E+00	.2176E+01	-.1167E+02	.3169E+02	.6267E+01	.1617E+01	.1947E+00	.2176E+01	-.1167E+02	.3174E+02	.6262E+01
-.1789E+01	.2001E+01	-.1177E+01	.4643E+02	-.4821E+01	-.7761E+02	-.1789E+01	.2001E+01	-.1177E+01	.4643E+02	-.4849E+01	-.7786E+02
.2729E+02	-.1946E+02	.2872E+02	-.5556E+03	.3649E+03	.8455E+03	.2729E+02	-.1946E+02	.2872E+02	-.5556E+03	.3656E+03	.8460E+03
-.2857E+01	-.1467E+00	-.2864E+01	.1802E+02	-.2943E+02	-.1358E+02	-.2857E+01	-.1467E+00	-.2864E+01	.1802E+02	-.2950E+02	-.1358E+02
-.8693E+01	-.2032E+00	-.1036E+02	.6564E+02	-.1402E+03	-.5662E+02	-.8693E+01	-.2032E+00	-.1036E+02	.6564E+02	-.1404E+03	-.5661E+02
-.1338E+03	-.4179E+02	-.1676E+03	.4503E+03	-.2283E+04	.5113E+03	-.1338E+03	-.4179E+02	-.1676E+03	.4503E+03	-.2287E+04	.5123E+03
.8527E+01	.7222E+00	.8811E+01	-.4984E+02	.9811E+02	.2839E+02	.8527E+01	.7222E+00	.8811E+01	-.4984E+02	.9833E+02	.2838E+02
-.5334E+01	-.4151E+01	-.7623E+01	-.1722E+02	-.1138E+03	.1030E+03	-.5334E+01	-.4151E+01	-.7623E+01	-.1722E+02	.1140E+03	.1031E+03

SQUARE ROOT SUM OF THE SQUARES

.1268E+04	.2201E+03	.5276E+03	.2495E+05	.1163E+06	.9553E+05	.1268E+04	.2201E+03	.5276E+03	.2495E+05	.1163E+06	.9553E+05
CLOSELY SPACED PCCF SUMMATION METHOD											
.1273E+04	.2912E+03	.7186E+03	.2538E+05	.1170E+06	.9567E+05	.1273E+04	.2912E+03	.7186E+03	.2538E+05	.1170E+06	.9567E+05





Z-DIRECTION SPECTRUM

SAVE	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DIRECTION	0	3	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FREQ	1	6	.5000	1.1111	1.1124	8.0000	8.0064	999.0000
G	1	6	.0700	.3899	1.6799	1.6799	.2100	.1400
ENDJOB								



PIPING BENCHMARK PROBLEM 323A

Z-DIRECTION SPECTRUM

CONTROL INFORMATION

NUMBER OF NODAL POINTS = 57  
NUMBER OF ELEMENT TYPES = 2  
NUMBER OF LOAD CASES = 0  
NUMBER OF FREQUENCIES = 31  
ANALYSIS CODE (NDYN) = -3  
EQ.0, STATIC  
EQ.1, MODAL EXTRACTION  
EQ.2, FORCED RESPONSE  
EQ.3, RESPONSE SPECTRUM  
EQ.4, DIRECT INTEGRATION  
SOLUTION CODE (MCDEX) = 0  
EQ.0, EXECUTION  
EQ.1, DATA CHECK  
NUMBER OF SUBSPACE  
ITERATION VECTIONS (NAD) = 0  
EQUATIONS PER BLOCK = 0  
TAPEIO SAVE FLAG (N10SV) = 0



# R E S P O N S E   S P E C T R U M   A N A L Y S I S

## D I R E C T I O N   F A C T O R S

X =    0.0000    Y =    0.0000    Z =    1.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM =    1

EQ.0   DISPLACEMENT  
EQ.1   ACCELERATION

## M O D A L   P A R T I C I P A T I O N   F A C T O R S

M O D E	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	.6081E+00	-.5976E+01	-.1228E+00
2	-.5761E+01	-.1999E+00	-.2996E+01
3	-.5594E+00	-.3153E+01	-.1949E+01
4	.2036E+01	.9939E-01	-.3541E+01
5	-.3312E+01	.6666E-03	-.7387E+01
6	.4788E+01	-.3025E+01	-.2979E+01
7	.3712E+01	.1286E+00	.3636E+01
8	.1371E+01	.2058E-01	-.3479E+00
9	-.5872E+01	-.1796E+01	.4261E+01
10	.5588E+00	-.4285E+00	-.2995E+01
11	.1565E+00	.6777E+01	-.8901E+00
12	.9504E+00	.8998E+00	.1064E+01
13	.1047E+01	-.1357E+00	.1525E+01
14	-.1941E+01	-.1118E+00	.1562E+01
15	-.3199E+01	.1090E+01	.1983E+01
16	.2090E-02	-.6167E+00	.2272E-03
17	.7455E+00	.1713E+01	-.1775E+01
18	-.1389E+01	-.4445E+01	-.3819E+00
19	.1405E+01	-.2156E+01	.1599E+00
20	-.1496E-02	.5104E+00	-.1091E+01
21	-.8649E+00	.2149E+01	-.3526E+00
22	.1662E+00	-.2118E+01	-.9318E-01



17	.7459E+00	.1713E+01	.1775E+01
18	-.1389E+01	-.0045E+01	-.3839E+00
19	.1405E+01	-.2156E+01	.1579E+00
20	-.1496E-02	.5104E+00	-.1091E+01
21	-.8649E+00	.2149E+01	-.3526E+00
22	.1662E+00	-.2118E+01	-.9318E-01
23	-.6181E+00	.7952E+00	-.1389E+01
24	-.5036E+00	-.3018E+00	.6691E-01
25	.4916E+00	.1033E+00	-.2759E+00
26	.8633E+00	.1092E+01	-.8625E+00
27	-.9497E+00	-.1155E+00	-.6442E+00
28	-.7053E+00	.2275E+00	-.9200E+00
29	-.1407E+01	-.1390E+01	.6889E+00
30	.0095E+00	.3457E+00	-.2222E+00
31	-.7992E+00	-.1622E+00	.2912E-01

# SPECTRUM TABLE (PIPING BENCHMARK PROBLEM 323A

Z-DIRECTION SPECTRUM

NUMBER OF POINTS = 6  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.1000E-02	.5410E+02
2	.1250E+00	.8114E+02
3	.1250E+00	.6491E+03
4	.8990E+00	.6491E+03
5	.9000E+00	.1352E+03
6	.2000E+01	.2705E+02





# NODE DISPLACEMENTS / ROTATIONS

NODE NUMBER SAP INR	MODE NUMBER	X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
---------------------------	----------------	-------------------	-------------------	-------------------	----------------	----------------	----------------

57 66	1	0.	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.	0.
	7	0.	0.	0.	0.	0.	0.
	8	0.	0.	0.	0.	0.	0.
	9	0.	0.	0.	0.	0.	0.
	10	0.	0.	0.	0.	0.	0.
	11	0.	0.	0.	0.	0.	0.
	12	0.	0.	0.	0.	0.	0.
	13	0.	0.	0.	0.	0.	0.
	14	0.	0.	0.	0.	0.	0.
	15	0.	0.	0.	0.	0.	0.
	16	0.	0.	0.	0.	0.	0.
	17	0.	0.	0.	0.	0.	0.
	18	0.	0.	0.	0.	0.	0.
	19	0.	0.	0.	0.	0.	0.
	20	0.	0.	0.	0.	0.	0.
	21	0.	0.	0.	0.	0.	0.
	22	0.	0.	0.	0.	0.	0.
	23	0.	0.	0.	0.	0.	0.
	24	0.	0.	0.	0.	0.	0.
	25	0.	0.	0.	0.	0.	0.
	26	0.	0.	0.	0.	0.	0.
	27	0.	0.	0.	0.	0.	0.
	28	0.	0.	0.	0.	0.	0.
	29	0.	0.	0.	0.	0.	0.
	30	0.	0.	0.	0.	0.	0.
	31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.	0.
SURT. SUM OF SG	0.	0.	0.	0.	0.	0.	0.
CLS LY SP MCDES	0.	0.	0.	0.	0.	0.	0.

56 65	1	0.	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.	0.
	7	0.	0.	0.	0.	0.	0.
	8	0.	0.	0.	0.	0.	0.
	9	0.	0.	0.	0.	0.	0.
	10	0.	0.	0.	0.	0.	0.
	11	0.	0.	0.	0.	0.	0.
	12	0.	0.	0.	0.	0.	0.
	13	0.	0.	0.	0.	0.	0.
	14	0.	0.	0.	0.	0.	0.
	15	0.	0.	0.	0.	0.	0.
	16	0.	0.	0.	0.	0.	0.
	17	0.	0.	0.	0.	0.	0.
	18	0.	0.	0.	0.	0.	0.
	19	0.	0.	0.	0.	0.	0.
	20	0.	0.	0.	0.	0.	0.
	21	0.	0.	0.	0.	0.	0.
	22	0.	0.	0.	0.	0.	0.



11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SORT. SUM OF SC	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

55 64	1	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.
	7	0.	0.	0.	0.	0.
	8	0.	0.	0.	0.	0.
	9	0.	0.	0.	0.	0.
	10	0.	0.	0.	0.	0.
	11	0.	0.	0.	0.	0.
	12	0.	0.	0.	0.	0.
	13	0.	0.	0.	0.	0.
	14	0.	0.	0.	0.	0.
	15	0.	0.	0.	0.	0.
	16	0.	0.	0.	0.	0.
	17	0.	0.	0.	0.	0.
	18	0.	0.	0.	0.	0.
	19	0.	0.	0.	0.	0.
	20	0.	0.	0.	0.	0.
	21	0.	0.	0.	0.	0.
	22	0.	0.	0.	0.	0.
	23	0.	0.	0.	0.	0.
	24	0.	0.	0.	0.	0.
	25	0.	0.	0.	0.	0.
	26	0.	0.	0.	0.	0.
	27	0.	0.	0.	0.	0.
	28	0.	0.	0.	0.	0.
	29	0.	0.	0.	0.	0.
	30	0.	0.	0.	0.	0.
	31	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SORT. SUM OF SC	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

54 63	1	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.
	7	0.	0.	0.	0.	0.
	8	0.	0.	0.	0.	0.
	9	0.	0.	0.	0.	0.
	10	0.	0.	0.	0.	0.
	11	0.	0.	0.	0.	0.
	12	0.	0.	0.	0.	0.
	13	0.	0.	0.	0.	0.
	14	0.	0.	0.	0.	0.



5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SC  
CLS LY SP MODES

53 62

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SC  
CLS LY SP MODES

52 61

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.



MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SC  
CLOSELY SP MODES

52 61

1 0.  
2 0.  
3 0.  
4 0.  
5 0.  
6 0.  
7 0.  
8 0.  
9 0.  
10 0.  
11 0.  
12 0.  
13 0.  
14 0.  
15 0.  
16 0.  
17 0.  
18 0.  
19 0.  
20 0.  
21 0.  
22 0.  
23 0.  
24 0.  
25 0.  
26 0.  
27 0.  
28 0.  
29 0.  
30 0.  
31 0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SC  
CLOSELY SP MODES

51 60

1 0.  
2 0.  
3 0.  
4 0.  
5 0.  
6 0.  
7 0.  
8 0.  
9 0.  
10 0.  
11 0.  
12 0.  
13 0.  
14 0.  
15 0.  
16 0.  
17 0.  
18 0.  
19 0.  
20 0.  
21 0.  
22 0.  
23 0.  
24 0.  
25 0.  
26 0.  
27 0.  
28 0.  
29 0.  
30 0.  
31 0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SC





24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SGRT. SUM OF SG	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

50 59	1	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.
	7	0.	0.	0.	0.	0.
	8	0.	0.	0.	0.	0.
	9	0.	0.	0.	0.	0.
	10	0.	0.	0.	0.	0.
	11	0.	0.	0.	0.	0.
	12	0.	0.	0.	0.	0.
	13	0.	0.	0.	0.	0.
	14	0.	0.	0.	0.	0.
	15	0.	0.	0.	0.	0.
	16	0.	0.	0.	0.	0.
	17	0.	0.	0.	0.	0.
	18	0.	0.	0.	0.	0.
	19	0.	0.	0.	0.	0.
	20	0.	0.	0.	0.	0.
	21	0.	0.	0.	0.	0.
	22	0.	0.	0.	0.	0.
	23	0.	0.	0.	0.	0.
	24	0.	0.	0.	0.	0.
	25	0.	0.	0.	0.	0.
	26	0.	0.	0.	0.	0.
	27	0.	0.	0.	0.	0.
	28	0.	0.	0.	0.	0.
	29	0.	0.	0.	0.	0.
	30	0.	0.	0.	0.	0.
	31	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SGRT. SUM OF SG	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

49 58	1	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.
	7	0.	0.	0.	0.	0.
	8	0.	0.	0.	0.	0.
	9	0.	0.	0.	0.	0.
	10	0.	0.	0.	0.	0.
	11	0.	0.	0.	0.	0.
	12	0.	0.	0.	0.	0.
	13	0.	0.	0.	0.	0.
	14	0.	0.	0.	0.	0.
	15	0.	0.	0.	0.	0.
	16	0.	0.	0.	0.	0.
	17	0.	0.	0.	0.	0.
	18	0.	0.	0.	0.	0.
	19	0.	0.	0.	0.	0.
	20	0.	0.	0.	0.	0.
	21	0.	0.	0.	0.	0.
	22	0.	0.	0.	0.	0.
	23	0.	0.	0.	0.	0.
	24	0.	0.	0.	0.	0.
	25	0.	0.	0.	0.	0.
	26	0.	0.	0.	0.	0.
	27	0.	0.	0.	0.	0.



17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SCRT. SUM OF SC	0.	0.	0.	0.	0.	0.
CLS Y SP MODES	0.	0.	0.	0.	0.	0.

48 57	1	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.
	7	0.	0.	0.	0.	0.
	8	0.	0.	0.	0.	0.
	9	0.	0.	0.	0.	0.
	10	0.	0.	0.	0.	0.
	11	0.	0.	0.	0.	0.
	12	0.	0.	0.	0.	0.
	13	0.	0.	0.	0.	0.
	14	0.	0.	0.	0.	0.
	15	0.	0.	0.	0.	0.
	16	0.	0.	0.	0.	0.
	17	0.	0.	0.	0.	0.
	18	0.	0.	0.	0.	0.
	19	0.	0.	0.	0.	0.
	20	0.	0.	0.	0.	0.
	21	0.	0.	0.	0.	0.
	22	0.	0.	0.	0.	0.
	23	0.	0.	0.	0.	0.
	24	0.	0.	0.	0.	0.
	25	0.	0.	0.	0.	0.
	26	0.	0.	0.	0.	0.
	27	0.	0.	0.	0.	0.
	28	0.	0.	0.	0.	0.
	29	0.	0.	0.	0.	0.
	30	0.	0.	0.	0.	0.
	31	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SCRT. SUM OF SC	0.	0.	0.	0.	0.	0.
CLS Y SP MODES	0.	0.	0.	0.	0.	0.

47 56	1	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.
	7	0.	0.	0.	0.	0.
	8	0.	0.	0.	0.	0.
	9	0.	0.	0.	0.	0.
	10	0.	0.	0.	0.	0.
	11	0.	0.	0.	0.	0.
	12	0.	0.	0.	0.	0.
	13	0.	0.	0.	0.	0.
	14	0.	0.	0.	0.	0.
	15	0.	0.	0.	0.	0.
	16	0.	0.	0.	0.	0.
	17	0.	0.	0.	0.	0.
	18	0.	0.	0.	0.	0.
	19	0.	0.	0.	0.	0.



9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SQRT. SUM OF SC	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

46 55	1	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.
	7	0.	0.	0.	0.	0.
	8	0.	0.	0.	0.	0.
	9	0.	0.	0.	0.	0.
	10	0.	0.	0.	0.	0.
	11	0.	0.	0.	0.	0.
	12	0.	0.	0.	0.	0.
	13	0.	0.	0.	0.	0.
	14	0.	0.	0.	0.	0.
	15	0.	0.	0.	0.	0.
	16	0.	0.	0.	0.	0.
	17	0.	0.	0.	0.	0.
	18	0.	0.	0.	0.	0.
	19	0.	0.	0.	0.	0.
	20	0.	0.	0.	0.	0.
	21	0.	0.	0.	0.	0.
	22	0.	0.	0.	0.	0.
	23	0.	0.	0.	0.	0.
	24	0.	0.	0.	0.	0.
	25	0.	0.	0.	0.	0.
	26	0.	0.	0.	0.	0.
	27	0.	0.	0.	0.	0.
	28	0.	0.	0.	0.	0.
	29	0.	0.	0.	0.	0.
	30	0.	0.	0.	0.	0.
	31	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SQRT. SUM OF SC	0.	0.	0.	0.	0.	0.
CLS LY SP MODES	0.	0.	0.	0.	0.	0.

45 54	1	0.	0.	0.	0.	0.
	2	0.	0.	0.	0.	0.
	3	0.	0.	0.	0.	0.
	4	0.	0.	0.	0.	0.
	5	0.	0.	0.	0.	0.
	6	0.	0.	0.	0.	0.
	7	0.	0.	0.	0.	0.
	8	0.	0.	0.	0.	0.
	9	0.	0.	0.	0.	0.
	10	0.	0.	0.	0.	0.
	11	0.	0.	0.	0.	0.



45 4

1	0.
2	0.
3	0.
4	0.
5	0.
6	0.
7	0.
8	0.
9	0.
10	0.
11	0.
12	0.
13	0.
14	0.
15	0.
16	0.
17	0.
18	0.
19	0.
20	0.
21	0.
22	0.
23	0.
24	0.
25	0.
26	0.
27	0.
28	0.
29	0.
30	0.
31	0.

MAXIMUM VALUE	0.
ABSOLUTE SUM	0.
SORT, SUM OF SC	0.
CLS LY SP MODES	0.

44 53

1	0.
2	0.
3	0.
4	0.
5	0.
6	0.
7	0.
8	0.
9	0.
10	0.
11	0.
12	0.
13	0.
14	0.
15	0.
16	0.
17	0.
18	0.
19	0.
20	0.
21	0.
22	0.
23	0.
24	0.
25	0.
26	0.
27	0.
28	0.
29	0.
30	0.
31	0.

MAXIMUM VALUE	0.
ABSOLUTE SUM	0.
SORT, SUM OF SC	0.
CLS LY SP MODES	0.

43 52

1	0.
2	0.
3	0.





MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SC  
CLS LY SP MODES

43 52

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT. SUM OF SC  
CLS LY SP MODES

42 41

1	.17836E-07	-.22824E-06	.68749E-09	-.17315E-06	-.43169E-07	-.20985E-06
2	-.74092E-06	-.41808E-07	-.28954E-06	-.80724E-07	.41497E-06	.19705E-06
3	.14679E-07	.22575E-08	.31261E-08	-.24355E-08	-.69205E-08	-.30353E-08
4	-.52723E-08	.19512E-08	-.53631E-08	-.53210E-09	.47451E-08	.22634E-08
5	-.23734E-06	-.08798E-08	-.84051E-07	-.22929E-07	.10043E-06	.67925E-07
6	-.02575E-07	-.16534E-07	-.43766E-07	-.17859E-07	.34301E-07	.13153E-07
7	.10117E-06	.43348E-07	.13083E-06	.55638E-07	-.79193E-07	-.18020E-07
8	.22802E-07	-.40907E-07	-.13309E-07	-.16599E-07	-.15119E-08	-.18237E-07
9	.10358E-06	-.26928E-07	.13180E-06	.36519E-07	-.79022E-07	-.36993E-07
10	.72520E-07	-.28381E-07	.22981E-06	.72068E-07	-.90267E-07	-.31129E-07
11	.65329E-11	.10742E-08	.17903E-08	.52012E-09	-.68948E-09	.28611E-09
12	-.11046E-07	-.77554E-08	.40163E-07	.14060E-07	-.15868E-07	.97671E-09
13	-.18156E-07	-.75787E-08	.57138E-07	.16992E-07	-.17268E-07	.28499E-08
14	-.18151E-06	-.17994E-07	.16059E-06	.45273E-07	-.31970E-07	.66952E-07
15	-.32043E-06	.22998E-07	.11828E-06	.29089E-07	-.66934E-08	.97513E-07
16	.75905E-11	-.65209E-12	-.26492E-11	-.72666E-12	.15263E-12	-.23268E-11
17	.78542E-07	.61000E-07	-.81682E-07	-.20642E-07	.14310E-07	-.88638E-08
18	-.23754E-07	-.16783E-08	.41534E-08	.37254E-09	.65820E-09	.65105E-08
19	.10218E-07	.16448E-08	-.26331E-08	-.37181E-09	-.68480E-10	-.26211E-08
20	-.39446E-07	.35023E-08	-.45802E-08	-.26288E-08	.36722E-08	.12346E-07
21	-.15049E-07	.43382E-08	-.98793E-08	-.36562E-08	.29635E-08	.55111E-08
22	-.28395E-08	.12323E-08	-.27784E-08	-.10539E-08	.73037E-09	.11434E-08
23	-.53294E-08	.81239E-08	-.29098E-07	-.99727E-08	.57702E-08	.37892E-08
24	.37214E-09	.27650E-09	-.33286E-10	.10703E-10	-.19960E-10	-.54270E-10
25	-.24076E-08	-.37494E-08	-.41937E-08	-.16318E-08	.97299E-09	.10163E-09
26	.18107E-07	.17204E-07	.12267E-07	.53338E-08	-.35027E-08	-.23050E-08
27	-.12312E-07	-.12284E-07	.63083E-09	-.58385E-09	.77468E-09	.12683E-08
28	-.32201E-07	-.27009E-07	.63121E-09	-.17590E-08	.20396E-08	.43623E-08
29	-.63781E-07	-.50919E-07	.15900E-07	.19493E-08	.17132E-08	.87007E-08
30	.43373E-08	.41971E-08	-.35552E-09	.13967E-09	-.24533E-09	-.48399E-09
31	-.10451E-08	-.73126E-09	.56011E-09	.14137E-09	-.23613E-10	.15627E-09



22	-.2795E-08	.1233E-08	-.2778E-08	-.1033E-08	.73037E-09	.11434E-08
23	-.53294E-08	.81259E-08	-.2909E-07	-.99729E-08	.57702E-08	.37892E-08
24	.37214E-09	.2750E-09	-.3328E-10	.1070E-10	-.19960E-10	-.54270E-10
25	-.24676E-08	-.37494E-08	-.41937E-08	-.1631E-09	.97299E-09	.10163E-09
26	.18167E-07	.17204E-07	.12267E-07	.5333E-08	-.35027E-08	-.23050E-08
27	-.12312E-07	-.12284E-07	.63083E-09	-.58385E-09	.77468E-09	.12683E-08
28	-.32201E-07	-.27009E-07	.63121E-09	-.17592E-08	.20396E-08	.43623E-08
29	-.63781E-07	-.50919E-07	.15900E-07	.19493E-08	.17132E-08	.87007E-08
30	-.43373E-08	-.41971E-08	-.35552E-09	.13967E-09	-.24533E-09	-.48399E-09
31	-.10451E-08	-.73126E-09	.56911E-09	.14137E-09	-.23613E-10	.15627E-09

MAXIMUM VALUE	.74092E-06	.22824E-06	.28954E-06	.17316E-06	.41497E-06	.20985E-06
ABSOLUTE SUM	.22197E-05	.68473E-06	.14886E-05	.63504E-06	.96448E-06	.80445E-06
SGRT, SUM OF SQ	.88705E-06	.25989E-06	.48362E-06	.22633E-06	.45603E-06	.32064E-06
CLSLY SP MODES	.90786E-06	.28134E-06	.51079E-06	.23864E-06	.46439E-06	.32573E-06

41 40	1	.23732E-07	-.23031E-06	-.34519E-08	-.17443E-06	-.43590E-07	-.21142E-06
	2	-.78062E-06	-.42188E-07	-.30515E-06	-.81337E-07	.41902E-06	.19853E-06
	3	.15445E-07	.22780E-08	.32150E-08	-.24537E-08	-.67881E-08	-.30581E-08
	4	-.55755E-08	.19689E-08	-.56290E-08	-.53603E-09	.47914E-08	.22804E-08
	5	-.25018E-06	-.49241E-08	-.80570E-07	-.23101E-07	.10141E-06	.68435E-07
	6	-.65845E-07	-.16684E-07	-.46262E-07	-.17993E-07	.34636E-07	.13252E-07
	7	.10637E-06	.43741E-07	.13835E-06	.56056E-07	-.79960E-07	-.18155E-07
	8	.24317E-07	-.11279E-07	-.14337E-07	-.16723E-07	-.15267E-08	-.18374E-07
	9	.10936E-06	-.21112E-07	.13890E-06	.36793E-07	-.79793E-07	-.37270E-07
	10	.76692E-07	-.28639E-07	.24239E-06	.72609E-07	-.91148E-07	-.31362E-07
	11	-.51227E-13	.10846E-08	.18073E-08	.52403E-09	-.69620E-09	.28826E-09
	12	-.11643E-07	-.78258E-08	.51821E-07	.14165E-07	-.16023E-07	.98403E-09
	13	-.19082E-07	-.76475E-08	.60243E-07	.17120E-07	-.17437E-07	.28713E-08
	14	-.19121E-06	-.18158E-07	.16425E-06	.45613E-07	-.32282E-07	.47304E-07
	15	-.33790E-06	.23207E-07	.12456E-06	.29307E-07	-.67587E-08	.98244E-07
	16	.80047E-11	-.65801E-12	-.30011E-11	-.73211E-12	.16038E-12	-.23443E-11
	17	.82461E-07	.61554E-07	-.86033E-07	-.20797E-07	.14450E-07	-.89303E-08
	18	-.25032E-07	-.18953E-08	.43584E-08	.37533E-09	.66462E-09	.65594E-08
	19	.10764E-07	.16597E-08	-.27663E-08	-.37469E-09	-.69148E-10	-.26408E-08
	20	-.41005E-07	.35341E-08	-.48645E-08	-.28507E-08	.37081E-08	.12439E-07
	21	-.15892E-07	.43782E-08	-.10438E-07	-.38852E-08	.29924E-08	.55524E-08
	22	-.30011E-08	.12434E-08	-.29344E-08	-.10415E-08	.73750E-09	.11520E-08
	23	-.56722E-08	.81977E-08	-.30711E-07	-.10048E-07	.58265E-08	.38176E-08
	24	.39101E-09	.27901E-09	-.34594E-10	.10783E-10	-.20155E-10	-.54677E-10
	25	-.25865E-08	-.37834E-08	-.44309E-08	-.16449E-08	.98249E-09	.10239E-09
	26	.19016E-07	.17360E-07	.12974E-07	.53733E-08	-.35368E-08	-.23223E-08
	27	-.12924E-07	-.12396E-07	.04653E-09	-.58823E-09	.76224E-09	.12778E-08
	28	-.33826E-07	-.27254E-07	.61862E-09	-.17722E-08	.20595E-08	.43950E-08
	29	-.67001E-07	.51381E-07	.16698E-07	.19647E-08	.17300E-08	.87659E-08
	30	.45537E-08	.42352E-08	-.36893E-09	.14072E-09	-.24773E-09	-.48762E-09
	31	-.10982E-08	-.73790E-09	.59937E-09	.14243E-09	-.23844E-10	.15745E-09

MAXIMUM VALUE	.78062E-06	.23031E-06	.30515E-06	.17443E-06	.41902E-06	.21142E-06
ABSOLUTE SUM	.23438E-05	.69094E-06	.15725E-05	.63981E-06	.97389E-06	.81049E-06
SGRT, SUM OF SQ	.93481E-06	.26225E-06	.50491E-06	.22803E-06	.46046E-06	.32305E-06
CLSLY SP MODES	.95676E-06	.28384E-06	.53878E-06	.24043E-06	.46892E-06	.32818E-06

40 39	1	.72095E-03	-.14517E-02	-.57253E-03	-.24006E-04	.66868E-06	-.40710E-04
	2	-.74448E-03	.19603E-03	-.13394E-02	-.23190E-04	.35513E-04	.65624E-05
	3	.93803E-05	-.65394E-05	.61581E-05	-.45188E-07	-.41376E-06	-.67216E-07
	4	-.94818E-05	.68740E-05	-.11976E-04	-.13613E-06	.34200E-06	.21365E-06
	5	-.21820E-03	.88885E-04	-.31837E-03	-.54904E-05	.74720E-05	.21941E-05
	6	-.50740E-04	-.11259E-04	-.13737E-03	-.26081E-05	.26057E-05	.91669E-07
	7	.96344E-04	.56630E-04	.35414E-03	.67520E-05	-.59292E-05	-.21721E-06
	8	.44653E-04	-.85180E-04	-.52570E-04	-.14925E-05	.15388E-06	-.14645E-05
	9	.14822E-03	-.58554E-04	.27376E-03	.43642E-05	-.51170E-05	-.24180E-05
	10	.14782E-03	-.31177E-04	.36772E-03	.60208E-05	-.45252E-05	-.27944E-05
	11	-.31036E-06	.14094E-05	.24944E-05	.36324E-07	-.29474E-07	.10572E-07
	12	.14324E-04	.22927E-05	.04044E-04	.93173E-06	-.72408E-06	-.50467E-06
	13	.12493E-04	.66102E-05	.73965E-04	.10930E-05	-.78028E-06	-.54847E-06
	14	-.51649E-04	.73915E-04	.15538E-03	.18105E-05	-.12425E-05	-.10465E-05
	15	-.17400E-03	.15850E-03	.50889E-04	-.33401E-06	-.22166E-06	.27366E-06
	16	.42215E-08	-.38546E-08	-.14083E-08	.54263E-11	.49775E-11	-.58978E-11
	17	-.10215E-04	.11523E-04	-.66488E-04	-.76969E-06	.33736E-06	.11285E-05
	18	-.11918E-04	.77694E-05	-.22795E-05	-.13233E-06	.82145E-08	-.34039E-08
	19	.44514E-05	-.27678E-05	.15088E-06	.44252E-07	.87316E-09	.15802E-07
	20	-.26157E-04	.16630E-04	-.16023E-04	-.42171E-06	.47569E-07	.13685E-06
	21	-.13498E-04	.74848E-05	-.15246E-04	-.32250E-06	.22773E-07	.13550E-06
	22	-.29735E-05	.15930E-05	-.38697E-05	-.78454E-07	.41863E-08	.35265E-07
	23	-.13483E-04	.39488E-05	-.32468E-04	-.58051E-06	-.22787E-07	.26410E-06
	24	.57623E-07	.52514E-07	.77882E-07	.21515E-08	.83651E-10	.17161E-08



MAXIMUM VALUE	.74468E-03	.14517E-02	.13394E-02	.24006E-04	.35513E-04	.40710E-04
ABSOLUTE SUM	.25466E-02	.23133E-02	.39593E-02	.81506E-04	.66475E-04	.61306E-04
SQRT SUM OF SQ	.11024E-02	.14833E-02	.16196E-02	.35521E-04	.37880E-04	.41524E-04
CLS1 SP MODES	.11192E-02	.14911E-02	.16756E-02	.36527E-04	.38125E-04	.41639E-04

1	.71686E-03	-.35069E-02	-.58534E-03	-.26647E-04	-.69973E-08	-.41556E-04
2	-.12818E-02	.10119E-03	-.20651E-02	-.21719E-04	.36773E-04	.44910E-05
3	.15924E-04	-.93938E-05	.24430E-04	-.14413E-06	-.44463E-06	-.21624E-07
4	-.14627E-04	.13060E-04	-.26732E-04	-.10179E-06	.34602E-06	.18732E-08
5	-.33488E-03	.89848E-04	-.64598E-03	-.50807E-05	.76057E-05	.15252E-05
6	-.89658E-04	-.47058E-04	-.24782E-03	-.24811E-05	-.24840E-05	.11261E-10
7	.18352E-03	.14623E-03	.00427E-03	.64726E-05	-.54950E-05	-.19199E-04
8	.45345E-04	-.16459E-03	-.57835E-04	-.15593E-05	.67906E-07	-.11434E-05
9	.22397E-03	-.92497E-04	.44059E-03	.39244E-05	-.46602E-05	-.19797E-05
10	.21220E-03	-.60202E-04	.55502E-03	.54330E-05	.53097E-05	-.24065E-05
11	.10681E-06	.22801E-05	.37395E-05	.25512E-07	-.21868E-07	.00662E-08
12	.24177E-04	-.66078E-05	.94136E-04	.78937E-06	-.50430E-06	-.47902E-06
13	.22926E-04	-.23762E-05	.10629E-03	.52379E-06	-.52431E-06	-.54712E-04
14	-.38667E-04	.43402E-04	.20752E-03	.13382E-05	-.77632E-06	-.14301E-05
15	-.17875E-03	.14057E-03	.67430E-04	-.87813E-06	-.25137E-06	-.87742E-06
16	.42831E-08	-.34834E-08	-.16892E-06	.18387E-10	.51689E-11	.19897E-10
17	-.12804E-04	.50268E-04	-.79728E-04	-.68617E-06	-.10984E-07	.91116E-06
18	-.12373E-04	.43535E-05	-.22501E-05	-.15153E-06	-.24358E-07	-.55515E-07
19	-.91397E-05	-.91382E-06	-.23291E-07	.52819E-07	.93657E-08	.32022E-07
20	-.27192E-04	.13842E-05	-.16998E-04	-.44313E-06	-.67127E-07	.27048E-06
21	-.13787E-04	.75581E-05	-.15400E-04	-.32373E-06	-.90328E-07	.64456E-07
22	-.30067E-05	.17526E-05	-.38651E-05	-.78940E-07	-.24171E-07	.19026E-07
23	-.12591E-04	.64089E-05	-.30131E-04	-.544037E-06	-.26056E-06	.19522E-06
24	.61544E-07	.16081E-06	.68698E-07	.14951E-08	.77361E-09	.68468E-09
25	-.63687E-07	-.29042E-05	-.46482E-07	-.66645E-07	.47667E-07	.29454E-07
26	.30708E-05	.10827E-04	.15541E-04	.25095E-06	.18355E-06	-.86493E-06
27	-.69636E-06	-.70497E-05	-.26445E-05	-.35542E-07	-.32793E-07	-.27532E-07
28	-.43718E-05	-.13546E-04	-.59817E-05	-.13673E-06	.10677E-06	.27980E-06
29	-.82490E-05	-.23253E-04	-.10975E-05	-.21671E-07	-.34840E-07	-.10312E-07
30	.30178E-06	.26427E-05	.69310E-06	.80583E-08	.11071E-07	-.18840E-07
31	-.16925E-06	-.24965E-06	.22211E-06	.35967E-08	.32970E-08	-.35287E-08

MAXIMUM VALUE	.12818E-02	.35069E-02	.28651E-02	.26647E-04	.36773E-04	.21556E-0
ABSOLUTE SUM	.30861E-02	.45719E-02	.67626E-02	.80331E-04	.64153E-04	.58295E-0
SQR1.SUM OF SQ	.15635E-02	.35221E-02	.31662E-02	.36171E-04	.38480E-04	.42008E-0
CLS1.Y SP MODES	.15898E-02	.35358E-02	.32423E-02	.37103E-04	.38933E-04	.42082E-0

1	.73522E-03	-.77566E-02	-.53226E-03	-.30623E-04	-.11545E-05	-.39139E-0
2	-.23040E-02	-.25460E-03	-.57652E-02	-.18371E-04	-.29377E-04	-.17349E-0
3	.28680E-04	-.15875E-04	.00034E-04	-.36723E-06	-.35991E-06	-.11791E-0
4	-.23659E-03	.24176E-04	-.52635E-04	-.40313E-07	.23698E-06	-.10796E-0
5	-.53297E-03	.31481E-04	-.11995E-02	-.41601E-05	.91474E-05	.39337E-0
6	-.14991E-03	-.11390E-03	-.41761E-03	-.21261E-05	.13320E-05	.88264E-0
7	.30787E-03	.28952E-03	.95877E-03	.56845E-05	-.24491E-05	-.76836E-0
8	.46952E-04	-.26143E-03	-.55033E-04	-.15203E-05	-.12830E-06	.26137E-0
9	.32358E-03	-.11243E-03	.77459E-03	.30931E-05	-.16364E-05	-.82240E-0
10	.24129E-03	-.77358E-04	.64099E-03	.43495E-05	.16147E-05	-.12919E-0
11	.28682E-06	.21238E-05	.42802E-05	-.46969E-07	.12523E-07	-.19220E-0
12	.26396E-04	-.21904E-04	.12331E-03	.54301E-06	.32079E-06	-.29590E-0
13	.23898E-04	-.21200E-04	.11263E-03	.67185E-06	.40264E-06	-.39234E-0
14	-.47833E-04	-.66713E-04	.19857E-03	.62967E-06	.91263E-06	-.14663E-0
15	-.17926E-03	-.46958E-04	.70157E-04	-.16673E-05	-.19807E-06	-.20363E-0
16	.43335E-08	.10176E-08	-.21049E-08	.37265E-10	.26300E-11	.50470E-1



6	.1091E-03	.1170E-03	.4176E-03	.21261E-05	.13320E-05	.88264E-07
7	.30707E-03	.28972E-03	.95871E-03	.56843E-05	.24491E-05	.76836E-07
8	.44952E-04	.26143E-03	.55033E-04	.15201E-05	.12830E-06	.26137E-07
9	.32358E-03	.12433E-03	.77459E-03	.30931E-05	.16364E-05	.88246E-06
10	.24129E-03	.77358E-04	.64099E-03	.43401E-05	.16147E-05	.12919E-05
11	.28682E-06	.21238E-05	.42802E-05	.46967E-09	.12523E-07	.19220E-07
12	.26396E-04	.21902E-04	.10331E-03	.54304E-06	.32079E-06	.29590E-06
13	.23898E-04	.21200E-04	.11263E-03	.67185E-06	.40264E-06	.39234E-06
14	.47833E-04	.64713E-04	.19857E-03	.62967E-06	.91263E-06	.14663E-05
15	.17926E-03	.46958E-04	.70157E-04	.16673E-05	.19807E-06	.20363E-05
16	.43335E-08	.10170E-08	.21049E-08	.37205E-10	.26300E-11	.50470E-10
17	.46119E-05	.66135E-04	.37371E-04	.73941E-06	.76796E-06	.18443E-06
18	.10967E-04	.73096E-05	.32916E-05	.15385E-06	.80785E-07	.54625E-07
19	.47614E-05	.36609E-05	.16924E-05	.53022E-07	.22219E-07	.14893E-07
20	.20313E-04	.85539E-05	.44117E-05	.43149E-06	.30975E-06	.11101E-06
21	.73074E-05	.23759E-05	.33853E-05	.30751E-06	.25204E-06	.26329E-07
22	.13355E-05	.35947E-06	.93321E-06	.74017E-07	.61904E-07	.45408E-08
23	.25937E-05	.55749E-06	.12988E-04	.47040E-06	.46600E-06	.54276E-07
24	.26933E-07	.74841E-07	.65366E-07	.25820E-09	.15379E-08	.26191E-08
25	.22865E-05	.62919E-06	.27375E-05	.29146E-07	.73799E-07	.56676E-07
26	.55869E-05	.94358E-06	.11773E-04	.10365E-06	.20174E-06	.21246E-06
27	.68389E-06	.75941E-07	.25724E-05	.36063E-07	.51288E-07	.10658E-06
28	.71919E-07	.26830E-06	.83998E-05	.11192E-07	.11241E-06	.27059E-06
29	.75717E-05	.98228E-06	.56782E-05	.20403E-06	.50683E-07	.32703E-06
30	.92197E-07	.52725E-06	.91580E-06	.10298E-07	.10818E-07	.27511E-07
31	.30812E-06	.32905E-07	.16266E-06	.50203E-08	.17576E-08	.26569E-08

MAXIMUM VALUE	.23043E-02	.77566E-02	.57652E-02	.30623E-04	.20377E-04	.39139E-04
ABSOLUTE SUM	.50402E-02	.91888E-02	.11064E-01	.76443E-04	.47559E-04	.49561E-04
SORT. SUM OF SC	.25406E-02	.77735E-02	.00948E-02	.36950E-04	.30066E-04	.39286E-04
CLSLY SP MODES	.25759E-02	.77916E-02	.61888E-02	.37655E-04	.30245E-04	.39298E-04

37	36	1	.74297E-03	.92197E-02	.49216E-03	.31658E-04	.14711E-05	.37154E-04
		2	.25927E-02	.41514E-03	.05785E-02	.17063E-04	.23995E-04	.39403E-06
		3	.32264E-04	.19608E-04	.09944E-04	.45453E-06	.29014E-06	.17867E-08
		4	.25837E-04	.26597E-04	.58853E-04	.19735E-07	.17000E-06	.75555E-07
		5	.57885E-03	.32751E-05	.13252E-02	.37076E-05	.33890E-05	.88878E-07
		6	.16136E-03	.13125E-03	.44888E-03	.19763E-05	.7A544E-06	.18553E-06
		7	.32644E-03	.31873E-03	.10103E-02	.53603E-05	.10074E-05	.10964E-05
		8	.48802E-04	.26861E-03	.50172E-04	.14801E-05	.18490E-06	.52002E-06
		9	.33368E-03	.10218E-03	.80221E-03	.27991E-05	.20760E-06	.48151E-06
		10	.21369E-03	.06637E-04	.50144E-03	.39631E-05	.34904E-05	.85589E-06
		11	.61779E-07	.13507E-05	.36849E-05	.10140E-07	.26528E-07	.28800E-07
		12	.21025E-04	.24264E-04	.68612E-04	.48523E-06	.60657E-06	.20055E-06
		13	.17406E-04	.25237E-04	.94932E-04	.59091E-06	.71516E-06	.29614E-06
		14	.62483E-04	.10309E-03	.16202E-03	.47095E-06	.13073E-05	.12048E-05
		15	.17950E-03	.12897E-03	.96004E-04	.17720E-05	.16524E-06	.19535E-05
		16	.43605E-08	.30131E-08	.21755E-08	.39687E-10	.14279E-11	.08837E-10
		17	.14821E-04	.45490E-04	.13115E-04	.77869E-06	.84370E-06	.63474E-06
		18	.10170E-04	.10126E-04	.59406E-05	.14073E-06	.81512E-07	.13969E-07
		19	.40745E-05	.43860E-05	.24108E-05	.47591E-07	.21671E-07	.72087E-08
		20	.16911E-04	.16188E-04	.14441E-04	.39863E-06	.29777E-06	.68289E-07
		21	.05343E-05	.64769E-05	.11288E-04	.28811E-06	.22307E-06	.19291E-07
		22	.65702E-06	.13122E-05	.28507E-05	.69581E-07	.52999E-07	.43090E-08
		23	.73101E-05	.31230E-05	.26290E-04	.43367E-06	.31281E-06	.33147E-07
		24	.14750E-07	.27106E-07	.11129E-06	.71333E-09	.12445E-08	.33010E-08
		25	.29023E-05	.20825E-05	.47532E-05	.23117E-07	.45991E-07	.45192E-07
		26	.74179E-05	.67042E-05	.17928E-04	.77463E-07	.11041E-06	.18275E-06
		27	.92253E-06	.39891E-05	.39853E-05	.36821E-07	.33709E-07	.97193E-07
		28	.08089E-06	.77804E-05	.10908E-04	.25983E-07	.20163E-07	.19407E-06
		29	.75023E-05	.12651E-04	.71526E-05	.27403E-06	.26800E-07	.30420E-06
		30	.11566E-06	.14671E-05	.11307E-05	.96807E-08	.85408E-09	.15827E-07
		31	.30997E-06	.12903E-06	.17329E-06	.53213E-08	.13669E-08	.26873E-08

MAXIMUM VALUE	.25927E-02	.92197E-02	.65785E-02	.31653E-04	.23995E-04	.37154E-04
ABSOLUTE SUM	.54212E-02	.10777E-01	.11965E-01	.74443E-04	.39941E-04	.46164E-04
SORT. SUM OF SC	.28195E-02	.92420E-02	.08936E-02	.37033E-04	.24640E-04	.37270E-04
CLSLY SP MODES	.28552E-02	.92590E-02	.69855E-02	.37658E-04	.24734E-04	.37303E-04

36	35	1	.57282E-03	.10427E-01	.33182E-04	.42715E-04	.21039E-05	.19058E-05
		2	.53974E-02	.40710E-03	.34116E-02	.71748E-05	.43252E-04	.63302E-05
		3	.48560E-04	.35177E-04	.50135E-04	.08547E-06	.20730E-07	.99505E-06
		4	.58992E-04	.99741E-05	.11614E-04	.87737E-07	.55690E-06	.11797E-06
		5	.80315E-03	.79219E-04	.82401E-03	.13243E-05	.27938E-05	.16152E-05
		6	.23548E-03	.31551E-04	.23002E-03	.40411E-06	.10359E-05	.48230E-06
		7	.49705E-03	.21787E-03	.43184E-03	.14335E-05	.26578E-05	.61864E-06
		8	.34504E-04	.20392E-03	.91768E-06	.73311E-07	.10195E-06	.21367E-05





CLSLY SP	MODES	2.8552E-02	2.9250E-02	2.9250E-02	2.9250E-02	2.9250E-02	2.9250E-02
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35

1	.57282E-03	-.10427E-01	-.33182E-04	-.42715E-04	-.21639E-05	-.19058E-05
2	-.53974E-02	-.40710E-03	-.34116E-02	-.71740E-05	-.43252E-04	-.63302E-05
3	.48560E-04	-.35177E-04	-.50135E-04	-.08547E-06	-.20730E-07	-.99505E-06
4	-.58992E-04	.79741E-05	-.11614E-04	.87737E-07	-.55690E-06	-.11797E-06
5	-.80315E-03	-.79219E-04	-.82401E-03	-.13243E-05	.27938E-05	-.16152E-05
6	-.23548E-03	.41551E-04	-.23002E-03	-.49411E-06	.10359E-05	.48230E-06
7	.49705E-03	-.21787E-03	.43189E-03	.14345E-05	-.20578E-05	-.61864E-06
8	.34505E-04	.20392E-03	-.91768E-06	.73311E-07	-.19195E-06	.21367E-05
9	.47276E-03	.51832E-04	.21910E-03	.10200E-05	-.23279E-05	.21830E-05
10	.49097E-03	.33317E-04	-.66319E-03	.14610E-05	-.96950E-06	.25058E-05
11	.39426E-05	-.80239E-05	-.80146E-05	-.99573E-07	.24199E-07	-.89449E-07
12	.23962E-04	.69905E-05	-.46401E-04	.46041E-07	-.71507E-06	.33030E-06
13	.18720E-04	-.14611E-05	-.53738E-04	.92204E-07	-.78470E-06	.47273E-06
14	-.12731E-03	-.14579E-04	.34965E-04	-.33357E-06	-.12562E-05	.13692E-05
15	-.15849E-03	-.89374E-04	.10052E-03	-.24562E-05	.17490E-05	.82790E-06
16	.30550E-08	.23186E-06	-.13080E-08	.50254E-10	-.43537E-10	-.24407E-10
17	.76774E-04	-.14845E-03	-.32376E-04	-.28035E-05	.32967E-06	-.30387E-07
18	-.39007E-05	.10883E-04	.46624E-05	.15135E-06	.16327E-06	-.17405E-07
19	.23891E-05	-.68581E-05	-.22085E-05	-.94561E-07	-.60485E-07	.11105E-07
20	.75385E-05	.12205E-04	-.34250E-05	.10465E-06	.27710E-06	-.28454E-07
21	.10924E-04	.37670E-05	-.55267E-05	-.34307E-07	.36545E-07	-.86138E-07
22	.20550E-05	.55113E-06	-.19702E-05	-.15553E-07	-.62396E-08	-.22239E-07
23	.20625E-04	.11001E-05	-.24677E-04	-.11093E-06	-.52439E-06	-.15659E-06
24	.65315E-07	-.26392E-06	-.25131E-06	-.74156E-08	-.19087E-08	.28541E-08
25	-.61791E-06	-.89066E-06	.64931E-05	-.24494E-07	-.16950E-07	-.25719E-07
26	.21405E-05	.34180E-06	-.29612E-05	.26253E-08	.23415E-06	.11265E-06
27	-.33845E-05	.66624E-07	.11285E-04	.23543E-07	.99636E-07	-.47299E-07
28	-.46718E-05	-.14471E-05	-.64023E-05	-.28343E-07	-.15671E-06	-.98334E-07
29	-.59877E-05	-.13280E-06	-.12575E-05	.11465E-06	.98744E-07	-.60809E-07
30	.47398E-06	.20424E-05	-.48814E-06	.67361E-07	-.33290E-08	-.21001E-07
31	.17410E-06	-.17584E-07	.21022E-07	.13017E-08	.56953E-08	.57755E-09

MAXIMUM VALUE	.53974E-02	.10427E-01	.34116E-02	.42715E-04	.43252E-04	.63302E-05
ABSOLUTE SUM	.90873E-02	.11817E-01	.62234E-02	.63281E-04	.61915E-04	.22702E-04
SORT SUM OF SQ	.55613E-02	.10441E-01	.36149E-02	.43563E-04	.43608E-04	.81552E-05
CLSLY SP MODES	.55978E-02	.10448E-01	.36675E-02	.43607E-04	.43724E-04	.89757E-05

35 51

1	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SORT SUM OF SQ	0.	0.	0.	0.	0.	0.
CLSLY SP MODES	0.	0.	0.	0.	0.	0.



27 0. 0. 0. 0. 0. 0.  
28 0. 0. 0. 0. 0. 0.  
29 0. 0. 0. 0. 0. 0.  
30 0. 0. 0. 0. 0. 0.  
31 0. 0. 0. 0. 0. 0.

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT SUM OF SQ  
CLS LY SP MODES

3a 3a

1	.47643E-03	-.82902E-02	.28530E-04	-.42534E-04	-.15871E-05	.24491E-05
2	-.74763E-02	-.28762E-03	-.20850E-02	-.56879E-05	-.38373E-04	-.60497E-05
3	.43095E-04	-.24636E-04	.53553E-04	-.95227E-06	-.27081E-06	-.13009E-05
4	-.66647E-04	.21219E-05	.01624E-05	.77102E-07	-.57786E-06	-.92719E-07
5	-.56905E-03	-.69829E-04	-.96956E-03	-.10155E-05	.77509E-05	-.13669E-05
6	-.15106E-03	.71711E-04	-.78156E-03	-.12873E-06	.26177E-05	.44517E-06
7	.32070E-03	-.27567E-03	.53502E-03	.49553E-06	-.51496E-05	-.78018E-07
8	.25298E-04	.24677E-03	.51104E-05	.64321E-06	-.17739E-06	.17244E-05
9	.29374E-03	.71505E-04	.32158E-03	.93017E-06	-.49085E-05	.20178E-05
10	.37211E-03	.45518E-04	-.59022E-03	.12414E-05	-.22434E-05	.24199E-05
11	.46302E-05	-.54325E-05	-.84336E-05	-.10857E-06	.18468E-07	-.10302E-06
12	-.26458E-04	.14627E-04	-.19118E-04	.32174E-07	-.88059E-06	.24964E-06
13	-.29452E-04	.96216E-05	-.24033E-04	.78496E-07	-.94527E-06	.63835E-06
14	-.18674E-03	.45155E-04	.70039E-04	-.19893E-04	-.10548E-05	.13532E-05
15	-.50352E-04	.62877E-04	.30596E-04	-.21032E-05	.21450E-05	.94683E-06
16	.85437E-09	-.14906E-08	.35354E-09	.49750E-10	-.52103E-10	-.29174E-10
17	.80396E-04	.17381E-04	-.33434E-04	-.28579E-05	-.90527E-07	.51449E-06
18	.49562E-05	-.29061E-06	-.10106E-05	.19253E-06	.15767E-06	-.67264E-07
19	-.10746E-05	-.18766E-06	.26363E-07	-.10648E-06	-.63621E-07	.37204E-07
20	.18960E-04	.18031E-05	-.10480E-04	.18203E-06	.16586E-06	-.67967E-07
21	.93217E-05	.79474E-06	-.44108E-05	.46435E-08	-.66271E-07	-.10764E-06
22	.16512E-05	.23312E-06	-.11079E-05	-.65856E-08	-.32350E-07	-.26444E-07
23	-.15333E-04	.12266E-06	-.15216E-05	-.66289E-07	-.65831E-06	-.15621E-06
24	-.73885E-07	.26140E-06	-.14769E-06	-.62606E-08	-.23876E-08	.34061E-08
25	-.66572E-06	-.87317E-07	.59323E-05	-.27140E-07	.21629E-08	-.17764E-07
26	.13531E-04	.31844E-05	-.92610E-05	.23469E-07	.16274E-06	.89784E-07
27	.41512E-05	-.21562E-05	.55071E-05	.12449E-08	.12982E-06	-.41063E-07
28	-.12218E-04	-.18498E-05	-.14827E-05	-.59707E-07	-.91515E-07	-.84821E-07
29	.53238E-06	-.60151E-05	-.52811E-05	.39604E-07	-.11689E-06	-.22279E-07
30	.36054E-06	-.29337E-05	-.17537E-07	.57251E-07	-.13752E-07	-.28226E-07
31	.37039E-06	-.30084E-07	-.90943E-07	.35374E-09	.15602E-08	.80920E-09

MAXIMUM VALUE  
ABSOLUTE SUM  
SQRT SUM OF SQ  
CLS LY SP MODES

3b 3b

1	.74763E-02	.82902E-02	.29850E-02	.42534E-04	.38373E-04	.60497E-05
2	.10276E-01	.95007E-02	.51144E-02	.59859E-04	.70466E-04	.22301E-04
3	.75403E-02	.83049E-02	.28740E-02	.43117E-04	.40075E-04	.79117E-05
4	.75564E-02	.83177E-02	.25407E-02	.43162E-04	.40593E-04	.84427E-05

1	.41295E-03	-.59896E-02	-.06261E-04	-.40434E-04	-.10159E-05	.57475E-05
2	-.92640E-02	-.18733E-03	-.11539E-02	-.43833E-05	-.27751E-04	-.56899E-05
3	.20896E-04	-.14359E-04	.65700E-04	-.93311E-06	-.51279E-06	-.16626E-05
4	-.11713E-03	-.32467E-05	.22637E-04	.36460E-07	-.51020E-06	-.48834E-07
5	-.12440E-04	-.57059E-04	-.12086E-02	-.79639E-06	.11929E-04	-.10674E-05
6	.32036E-04	.80183E-04	-.37917E-03	.24990E-06	.38675E-05	.39080E-06
7	-.30387E-04	-.72728E-03	.12276E-03	-.39977E-06	-.72995E-05	.46982E-06
8	.16719E-04	.23957E-03	.97012E-05	.12031E-05	-.15552E-06	.12960E-05
9	-.30508E-04	.75923E-04	.49498E-03	.90851E-06	-.66059E-05	.17868E-05
10	.25793E-03	.49474E-04	-.54407E-03	.11102E-05	-.27565E-05	.22847E-05
11	.57745E-05	-.30569E-05	-.91617E-05	-.87623E-07	.80345E-08	-.13442E-06
12	-.66401E-04	.18444E-04	.37294E-05	.48314E-07	-.70537E-06	.14864E-06
13	-.77564E-04	.16235E-04	-.13844E-06	.12528E-06	-.71329E-06	.36755E-06
14	-.23484E-03	.84290E-04	.94356E-04	.17257E-06	-.24834E-06	.11928E-05
15	.57269E-04	.17751E-03	-.25819E-04	-.10115E-05	.16537E-05	.62038E-06
16	-.17962E-08	-.43861E-08	.17432E-06	.22465E-10	-.39449E-10	-.22661E-10
17	.67419E-04	.16903E-03	-.26331E-04	-.17655E-05	-.51898E-06	.38934E-06
18	.11890E-04	-.12431E-04	-.46965E-05	.14915E-06	.62087E-07	-.68789E-07
19	-.39801E-05	.60153E-05	.15748E-05	-.59867E-07	-.30845E-07	.29275E-07
20	.24152E-04	-.10127E-04	-.13221E-04	.14733E-06	-.42660E-07	-.43473E-07
21	.41806E-05	-.29708E-05	-.17427E-05	.31652E-08	-.12052E-06	-.10644E-06
22	-.30471E-06	-.32865E-06	-.79918E-07	-.36666E-08	-.34130E-07	-.27389E-07
23	-.45186E-04	-.13564E-05	.14376E-04	-.48229E-07	-.20699E-06	-.14107E-06
24	-.16131E-06	.56180E-06	-.89537E-07	.36482E-09	-.34462E-09	.68625E-09
25	-.87253E-06	.79740E-06	.55674E-05	-.16789E-07	.70476E-08	-.17316E-07
26	.19064E-04	.32094E-05	-.11410E-04	.62911E-07	-.74583E-07	.54885E-07
27	.88147E-05	-.24093E-05	.23532E-05	-.35743E-07	.34955E-08	-.25434E-07
28	-.13557E-04	-.36044E-06	-.03350E-06	-.72337E-07	.10253E-06	-.81442E-07
29	.57991E-05	-.56863E-05	-.79997E-05	-.64080E-07	.16351E-07	.35849E-07



19	-.3101E-05	-.6014E-05	-.1574E-05	-.5986E-07	-.3085E-07	-.29275E-07
20	-.24152E-04	-.1017E-04	-.13221E-04	-.14731E-06	-.42660E-07	-.43473E-07
21	-.41306E-05	-.2978E-05	-.17427E-05	-.3165E-08	-.12052E-06	-.10644E-06
22	-.30471E-06	-.32865E-06	-.79918E-07	-.3666E-08	-.30130E-07	-.27389E-07
23	-.45186E-04	-.13564E-05	-.14378E-04	-.4822E-07	-.20699E-06	-.14107E-06
24	-.16131E-06	-.5618E-06	-.89537E-07	-.36482E-09	-.34462E-09	-.68625E-09
25	-.87253E-06	-.7974E-06	-.55674E-05	-.16789E-07	-.70470E-08	-.17316E-07
26	-.19064E-04	-.32094E-05	-.11410E-04	-.62911E-07	-.74583E-07	-.54885E-07
27	-.88447E-05	-.24093E-05	-.23532E-05	-.35743E-07	-.34955E-08	-.25434E-07
28	-.13557E-04	-.36004E-06	-.03350E-06	-.72337E-07	-.10253E-06	-.81442E-07
29	-.57991E-05	-.56861E-05	-.79997E-05	-.64089E-07	-.16351E-07	-.35849E-07
30	-.34250E-06	-.53204E-05	-.42565E-06	-.21539E-07	-.71652E-08	-.55179E-08
31	-.33340E-06	-.55965E-08	-.62382E-07	-.19275E-09	-.46418E-08	-.82896E-09

MAXIMUM VALUE	-.92640E-02	-.59894E-02	-.12686E-02	-.40434E-04	-.27751E-04	-.57475E-05
ABSOLUTE SUM	-.10843E-01	-.74891E-02	-.49456E-02	-.54392E-04	-.66965E-04	-.23936E-04
SORT. SUM OF SC	-.92819E-02	-.60107E-02	-.20415E-02	-.40789E-04	-.32212E-04	-.90535E-05
CLSLY SP HQDFS	-.92834E-02	-.60284E-02	-.21935E-02	-.40842E-04	-.33351E-04	-.94501E-05

32	32	1	-.36778E-03	-.37229E-02	-.77582E-04	-.35882E-04	-.75823E-06	-.78797E-05
		2	-.10400E-01	-.10565E-03	-.67672E-03	-.32355E-05	-.13419E-04	-.52819E-05
		3	-.11003E-04	-.73356E-05	-.79410E-04	-.81863E-06	-.60679E-06	-.20750E-05
		4	-.14007E-03	-.41909E-05	-.32794E-04	-.34141E-07	-.31437E-06	-.11203E-07
		5	-.69110E-03	-.13881E-04	-.15674E-02	-.64598E-04	-.12700E-04	-.73514E-06
		6	-.25762E-03	-.64307E-04	-.47380E-03	-.59457E-06	-.40203E-05	-.33898E-06
		7	-.44668E-03	-.21046E-03	-.89550E-03	-.10588E-05	-.70318E-05	-.94649E-06
		8	-.88896E-05	-.18368E-03	-.13015E-04	-.15753E-05	-.12888E-06	-.92623E-06
		9	-.40875E-03	-.59666E-04	-.04399E-03	-.10127E-05	-.65694E-05	-.15258E-05
		10	-.68586E-04	-.41133E-04	-.47589E-03	-.99318E-06	-.38906E-05	-.21392E-05
		11	-.53522E-05	-.27755E-05	-.90744E-05	-.30244E-07	-.23205E-07	-.18409E-06
		12	-.95549E-04	-.17029E-04	-.15016E-04	-.62822E-07	-.30732E-06	-.44372E-07
		13	-.10534E-03	-.14599E-04	-.10577E-04	-.20313E-06	-.25427E-06	-.27747E-06
		14	-.21185E-03	-.85865E-04	-.84351E-04	-.57565E-06	-.97124E-06	-.99078E-06
		15	-.12366E-03	-.20054E-03	-.53788E-04	-.27279E-06	-.68103E-06	-.12896E-06
		16	-.32760E-08	-.49836E-08	-.23641E-08	-.98794E-11	-.13682E-10	-.11926E-10
		17	-.25034E-04	-.22311E-03	-.85032E-05	-.21267E-06	-.83469E-06	-.37980E-07
		18	-.11374E-04	-.19480E-04	-.45757E-05	-.77164E-07	-.61923E-07	-.51354E-07
		19	-.42562E-05	-.75715E-05	-.17311E-05	-.18503E-07	-.15261E-07	-.27251E-08
		20	-.14111E-04	-.15968E-04	-.90564E-05	-.50801E-07	-.24811E-06	-.15847E-07
		21	-.34898E-05	-.47965E-05	-.14314E-05	-.21825E-07	-.12189E-06	-.92581E-07
		22	-.19442E-05	-.73165E-06	-.01702E-06	-.48721E-08	-.19724E-07	-.26264E-07
		23	-.36065E-04	-.17737E-05	-.11190E-04	-.45981E-07	-.37859E-06	-.11778E-06
		24	-.95587E-07	-.25613E-06	-.98528E-07	-.73086E-08	-.19377E-08	-.27601E-08
		25	-.33634E-06	-.82529E-06	-.46728E-05	-.16707E-08	-.70605E-08	-.20029E-07
		26	-.52373E-05	-.73033E-06	-.51223E-05	-.82990E-07	-.27182E-06	-.25226E-07
		27	-.36068E-05	-.36902E-06	-.34400E-05	-.57754E-07	-.12927E-06	-.13809E-07
		28	-.84750E-06	-.17832E-05	-.53807E-05	-.60323E-07	-.23621E-06	-.89229E-07
		29	-.22078E-05	-.24990E-05	-.01833E-05	-.11213E-06	-.68819E-07	-.76396E-07
		30	-.32989E-06	-.38572E-06	-.47834E-06	-.83645E-07	-.41943E-08	-.39701E-07
		31	-.12365E-06	-.31453E-07	-.12971E-06	-.21433E-09	-.73052E-08	-.61734E-09

MAXIMUM VALUE	-.10400E-01	-.37229E-02	-.15674E-02	-.35882E-04	-.13419E-04	-.78797E-05
ABSOLUTE SUM	-.13455E-01	-.50393E-02	-.51766E-02	-.47833E-04	-.50103E-04	-.24098E-04
SORT. SUM OF SC	-.10459E-01	-.37495E-02	-.21479E-02	-.36133E-04	-.21655E-04	-.10235E-04
CLSLY SP HQDFS	-.10481E-01	-.37677E-02	-.23706E-02	-.36244E-04	-.23190E-04	-.10532E-04

31	31	1	-.32857E-03	-.17336E-02	-.88553E-04	-.28333E-04	-.72335E-06	-.87790E-05
		2	-.10723E-01	-.44287E-04	-.57081E-03	-.22093E-05	-.28026E-05	-.48539E-05
		3	-.45518E-04	-.67748E-05	-.90790E-04	-.60001E-06	-.57902E-06	-.25337E-05
		4	-.15109E-03	-.91544E-06	-.36906E-04	-.13403E-06	-.69273E-07	-.84990E-07
		5	-.13782E-02	-.16106E-04	-.17915E-02	-.54094E-06	-.10007E-04	-.38643E-06
		6	-.47283E-03	-.29248E-04	-.54310E-03	-.65932E-06	-.32015E-05	-.30789E-06
		7	-.80152E-03	-.11856E-03	-.10080E-02	-.12913E-05	-.46316E-05	-.12841E-05
		8	-.26130E-05	-.10399E-03	-.15063E-04	-.15823E-05	-.92255E-07	-.68141E-06
		9	-.75345E-03	-.26031E-04	-.75532E-03	-.10594E-05	-.49235E-05	-.12674E-05
		10	-.17712E-03	-.26265E-04	-.40826E-03	-.81333E-06	-.43640E-05	-.20191E-05
		11	-.31374E-05	-.70725E-05	-.84610E-05	-.70023E-07	-.53964E-07	-.25194E-06
		12	-.10024E-03	-.13518E-04	-.15747E-04	-.41313E-07	-.21755E-06	-.47628E-07
		13	-.10552E-03	-.51070E-05	-.98861E-05	-.28193E-06	-.32028E-06	-.18414E-06
		14	-.12748E-03	-.60862E-04	-.57238E-04	-.80179E-06	-.19310E-05	-.84328E-06
		15	-.13081E-03	-.15297E-03	-.56524E-04	-.11964E-05	-.53305E-06	-.26410E-06
		16	-.32752E-08	-.37814E-08	-.23580E-08	-.33331E-10	-.16654E-10	-.36085E-11
		17	-.23065E-04	-.1908E-03	-.73072E-05	-.10997E-05	-.71664E-06	-.41913E-06
		18	-.49514E-05	-.22986E-04	-.26345E-05	-.33872E-07	-.14638E-06	-.42735E-07
		19	-.22455E-05	-.40828E-05	-.11359E-05	-.10116E-06	-.50546E-07	-.27763E-07
		20	-.31482E-05	-.5124E-04	-.35833E-05	-.56022E-07	-.28994E-06	-.62155E-07
		21	-.91440E-05	-.42874E-05	-.32240E-05	-.52799E-07	-.39733E-07	-.75665E-07



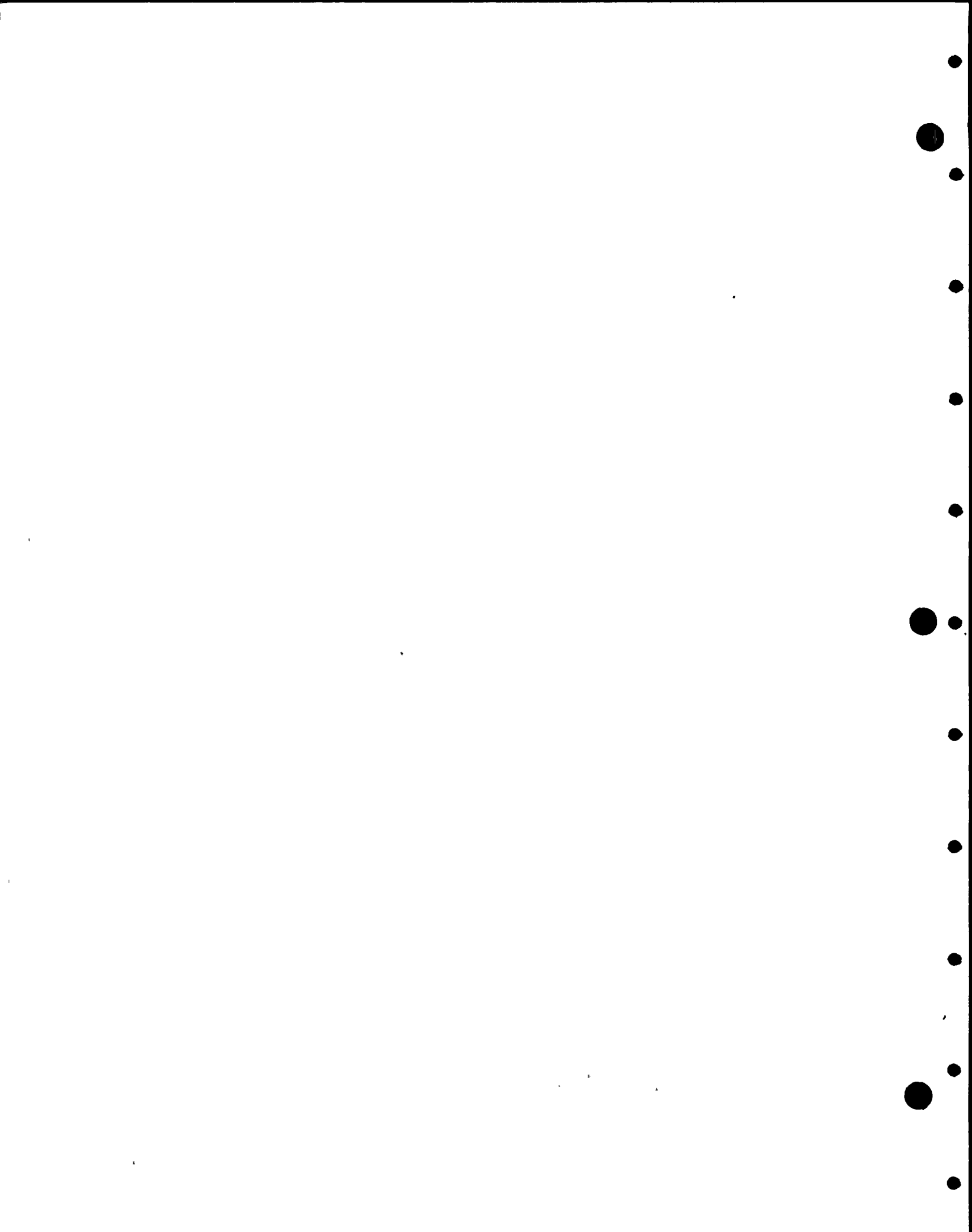
11	-.3774E-05	-.7015E-05	-.8461E-05	-.7002E-07	-.5396E-07	-.25194E-09
12	-.10024E-03	-.13518E-04	-.15747E-04	-.41313E-07	-.21755E-06	-.47628E-07
13	-.10552E-03	-.51070E-05	-.98861E-05	-.2819E-06	-.32028E-06	-.14414E-06
14	-.12748E-03	-.60862E-04	-.57238E-04	-.8017E-05	-.19310E-05	-.84328E-06
15	-.13081E-03	-.15297E-03	-.56524E-04	-.11961E-05	-.53305E-06	-.26416E-06
16	-.32752E-08	-.37814E-08	-.23580E-08	-.33331E-10	-.16654E-10	-.36085E-11
17	-.22065E-04	-.1908E-03	-.73072E-05	-.10997E-05	-.71664E-06	-.41913E-06
18	-.49514E-05	-.22986E-04	-.26345E-05	-.33872E-07	-.14638E-06	-.42735E-07
19	-.22455E-05	-.40828E-05	-.11359E-05	-.1011E-06	-.50546E-07	-.27763E-07
20	-.31482E-05	-.15124E-04	-.35833E-05	-.56022E-07	-.28994E-06	-.62155E-07
21	-.91404E-05	-.42874E-05	-.32240E-05	-.52797E-07	-.39733E-07	-.75665E-07
22	-.24366E-05	-.84463E-06	-.79157E-06	-.8181E-08	-.84356E-08	-.24299E-07
23	-.30057E-05	-.10566E-05	-.12837E-05	-.48297E-07	-.62896E-06	-.92595E-07
24	-.63818E-07	-.34799E-06	-.13139E-06	-.9320E-08	-.25968E-08	-.45554E-08
25	-.54303E-06	-.17634E-06	-.40842E-05	-.5806E-08	-.75716E-08	-.21786E-07
26	-.10175E-04	-.48325E-05	-.75739E-06	-.65207E-07	-.17500E-06	-.16681E-07
27	-.60422E-05	-.33562E-05	-.54558E-05	-.34737E-07	-.12854E-06	-.18556E-07
28	-.12591E-04	-.26874E-05	-.91592E-05	-.1789E-07	-.16518E-06	-.10893E-06
29	-.37176E-05	-.5784E-05	-.39764E-05	-.19367E-07	-.69531E-07	-.65222E-07
30	-.15852E-06	-.53859E-05	-.37931E-06	-.4228E-07	-.67807E-08	-.36622E-07
31	-.45977E-06	-.42701E-07	-.24900E-06	-.40771E-09	-.12649E-09	-.16037E-09

MAXIMUM VALUE	-.10723E-01	-.17336E-02	-.17915E-02	-.28331E-04	-.10667E-04	-.87790E-05
ABSOLUTE SUM	-.15384E-01	-.26099E-02	-.55003E-02	-.41401E-04	-.37549E-04	-.24626E-04
SQRT-SUM OF SC	-.10847E-01	-.17605E-02	-.23682E-02	-.28613E-04	-.14253E-04	-.10780E-04
CLS LY SP MGDES	-.10943E-01	-.17738E-02	-.26274E-02	-.28791E-04	-.15417E-04	-.11050E-04

30	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
		-.28519E-03	-.25805E-03	-.96752E-04	-.17567E-04	-.82175E-06	-.85863E-05																									
		-.10072E-01	-.39956E-05	-.70746E-03	-.12963E-05	-.18522E-04	-.44176E-05																									
		-.76187E-04	-.15550E-04	-.97979E-04	-.27698E-06	-.47562E-06	-.30324E-05																									
		-.14745E-03	-.13582E-04	-.36723E-04	-.26652E-06	-.12771E-06	-.17078E-06																									
		-.18916E-02	-.99825E-05	-.19103E-02	-.47471E-04	-.70235E-05	-.26564E-07																									
		-.62505E-03	-.23557E-04	-.57728E-03	-.10261E-05	-.20232E-05	-.29618E-06																									
		-.46764E-03	-.26285E-04	-.10434E-02	-.10017E-05	-.88080E-06	-.14882E-05																									
		-.14926E-05	-.26049E-04	-.15996E-04	-.11364E-05	-.49387E-07	-.55753E-06																									
		-.96514E-03	-.21288E-04	-.79215E-03	-.10639E-05	-.24214E-05	-.10162E-05																									
		-.42888E-03	-.10709E-04	-.35912E-03	-.52467E-06	-.38727E-05	-.19305E-05																									
		-.79507E-06	-.18293E-04	-.76194E-05	-.22743E-06	-.71238E-07	-.33824E-06																									
		-.70921E-04	-.11142E-04	-.85942E-03	-.44136E-07	-.69406E-06	-.12334E-06																									
		-.69066E-04	-.11586E-04	-.12040E-05	-.35151E-06	-.81993E-06	-.90034E-07																									
		-.64547E-05	-.21113E-04	-.26734E-04	-.08468E-06	-.22764E-05	-.77567E-06																									
		-.62469E-04	-.58108E-04	-.41543E-04	-.12331E-05	-.14758E-05	-.46582E-06																									
		-.13998E-08	-.13414E-08	-.19225E-08	-.34642E-10	-.38298E-10	-.62664E-13																									
		-.55460E-04	-.86820E-04	-.14620E-04	-.13001E-05	-.29740E-06	-.57654E-06																									
		-.52171E-05	-.24705E-04	-.42705E-06	-.1356E-06	-.15892E-06	-.66822E-07																									
		-.14818E-05	-.46871E-05	-.33303E-06	-.16767E-06	-.60449E-07	-.57353E-07																									
		-.18529E-04	-.72676E-05	-.27300E-07	-.87526E-07	-.18300E-06	-.13571E-06																									
		-.78897E-05	-.11490E-05	-.29398E-05	-.61741E-07	-.60458E-07	-.62319E-07																									
		-.46152E-06	-.54734E-06	-.47936E-06	-.77613E-08	-.31234E-07	-.22930E-07																									
		-.35129E-04	-.23327E-06	-.67410E-05	-.45527E-07	-.48983E-06	-.68013E-07																									
		-.20644E-06	-.93396E-06	-.14198E-06	-.98543E-08	-.17738E-08	-.57837E-08																									
		-.15616E-05	-.94313E-06	-.35030E-05	-.15579E-07	-.23622E-07	-.22371E-07																									
		-.13291E-04	-.53091E-05	-.23725E-05	-.10031E-07	-.45644E-07	-.12058E-07																									
		-.11372E-04	-.37357E-05	-.54596E-05	-.10285E-07	-.43487E-07	-.27037E-07																									
		-.11124E-04	-.53061E-06	-.80751E-05	-.15125E-07	-.90108E-07	-.12968E-06																									
		-.53346E-05	-.66554E-05	-.29259E-05	-.65195E-07	-.13609E-07	-.44661E-07																									
		-.68043E-06	-.54905E-05	-.28888E-06	-.10442E-07	-.53929E-06	-.23540E-07																									
		-.10111E-06	-.90785E-08	-.15025E-06	-.83051E-09	-.71383E-08	-.31186E-09																									

MAXIMUM VALUE	-.10072E-01	-.25805E-03	-.19103E-02	-.17567E-04	-.18522E-04	-.85863E-05
ABSOLUTE SUM	-.15839E-01	-.67887E-03	-.57775E-02	-.29111E-04	-.43074E-04	-.24571E-04
SQRT-SUM OF SC	-.10373E-01	-.28702E-03	-.25222E-02	-.17872E-04	-.20687E-04	-.10544E-04
CLS LY SP MGDES	-.10460E-01	-.30425E-03	-.27890E-02	-.18091E-04	-.20875E-04	-.10838E-04

20	29	1	2	3	4	5	6	7	8	9	10	11	12	13
		-.23320E-03	-.06512E-03	-.10217E-03	-.68957E-05	-.96175E-06	-.74229E-05							
		-.65770E-02	-.14370E-04	-.69712E-03	-.53993E-06	-.31280E-04	-.39760E-05							
		-.10020E-03	-.36250E-04	-.10154E-03	-.39662E-07	-.34168E-06	-.35360E-05							
		-.13619E-03	-.30700E-04	-.35828E-04	-.24477E-06	-.17943E-06	-.24208E-06							
		-.21846E-02	-.37321E-04	-.19540E-02	-.30293E-06	-.29142E-05	-.32119E-06							
		-.70548E-03	-.8338E-04	-.58333E-03	-.75243E-06	-.71933E-06	-.34481E-06							
		-.90208E-03	-.26631E-04	-.10335E-02	-.45747E-04	-.34544E-05	-.16162E-05							
		-.30543E-05	-.15288E-04	-.16225E-04	-.50693E-06	-.30041E-08	-.50037E-06							
		-.10329E-02	-.75298E-04	-.83310E-03	-.70884E-06	-.22093E-06	-.81503E-06							
		-.62486E-03	-.52727E-05	-.33966E-03	-.22852E-06	-.21817E-05	-.18599E-05							
		-.50756E-05	-.39942E-04	-.70810E-05	-.26433E-06	-.63312E-07	-.40943E-06							
		-.20392E-04	-.16229E-04	-.12580E-05	-.68233E-07	-.94527E-06	-.19990E-06							
		-.11165E-04	-.33329E-04	-.70589E-05	-.24193E-06	-.10513E-05	-.18393E-07							





3	-.1072E-03	-.3621E-04	.1015E-03	-.3966E-07	-.34168E-05	-.35360E-05
4	-.1381E-03	-.3497E-04	-.3582E-04	-.2447E-06	-.17943E-06	-.24208E-06
5	-.2104E-02	-.3732E-04	-.1954E-02	-.3029E-06	-.29142E-05	-.32119E-06
6	-.7054E-03	-.8383E-04	-.5083E-03	-.7524E-06	-.71933E-06	-.34471E-06
7	-.9020E-03	-.2063E-04	-.1033E-02	-.4574E-06	-.34544E-05	-.16162E-05
8	-.3054E-05	-.1528E-04	-.1622E-04	-.5069E-06	-.30041E-08	-.50037E-06
9	-.1032E-02	-.1529E-04	-.8031E-03	-.7088E-06	-.22093E-06	-.81503E-06
10	-.6248E-03	-.5272E-05	-.3396E-03	-.2285E-06	-.21817E-05	-.18599E-05
11	-.5075E-05	-.3994E-04	-.7081E-05	-.2043E-06	-.63312E-07	-.40943E-06
12	-.2039E-04	-.1622E-04	-.1258E-05	-.6823E-07	-.94527E-06	-.19990E-06
13	-.1116E-04	-.3332E-04	-.7058E-05	-.2419E-06	-.10513E-05	-.18393E-07
14	-.1341E-03	-.2052E-05	-.8953E-05	-.3475E-06	-.16626E-05	-.76946E-06
15	-.3921E-04	-.1980E-05	-.2818E-04	-.6528E-06	-.16426E-05	-.50580E-06
16	-.1126E-08	-.1972E-09	-.1506E-08	-.1893E-10	-.38488E-10	-.76920E-12
17	-.5791E-04	-.2984E-04	-.1532E-04	-.7046E-06	-.28846E-06	-.51945E-06
18	-.1330E-04	-.3991E-04	-.6099E-06	-.1595E-06	-.68852E-07	-.98667E-07
19	-.4704E-05	-.1632E-04	-.7381E-07	-.1329E-06	-.30831E-07	-.73347E-07
20	-.2404E-04	-.2395E-05	-.8649E-06	-.5747E-07	-.54551E-07	-.17285E-06
21	-.2170E-05	-.1523E-05	-.2172E-05	-.3621E-07	-.11347E-06	-.56138E-07
22	-.1159E-05	-.4194E-06	-.2103E-06	-.5262E-08	-.29681E-07	-.22397E-07
23	-.5318E-04	-.2745E-05	-.8769E-05	-.1644E-07	-.69749E-07	-.47718E-07
24	-.2739E-06	-.1525E-05	-.1304E-06	-.5033E-09	-.47711E-09	-.57128E-08
25	-.3538E-05	-.2062E-05	-.2971E-05	-.5802E-09	-.23960E-07	-.19922E-07
26	-.4539E-05	-.5714E-05	-.2122E-05	-.3462E-07	-.21675E-06	-.58863E-08
27	-.1139E-04	-.3993E-05	-.4308E-05	-.2304E-07	-.80401E-07	-.34893E-07
28	-.2413E-05	-.1636E-05	-.6159E-05	-.5846E-08	-.15872E-06	-.14295E-06
29	-.1896E-05	-.3017E-05	-.2016E-05	-.8272E-07	-.92704E-07	-.39839E-07
30	-.7779E-06	-.8668E-05	-.2992E-06	-.5707E-07	-.65056E-08	-.14567E-07
31	-.3553E-06	-.5789E-07	-.8975E-07	-.7808E-10	-.34177E-08	-.58157E-09

MAXIMUM VALUE	.85794E-02	.46512E-03	.19540E-02	.68955E-05	.31286E-04	.79229E-05
ABSOLUTE SUM	.14894E-01	.10037E-02	.59710E-02	.13508E-04	.44887E-04	.24293E-04
SURT.SUM OF SG	.96143E-02	.48986E-03	.26118E-02	.71265E-05	.31833E-04	.99878E-05
CLSLY SP MODES	.91200E-02	.50931E-03	.26722E-02	.72993E-05	.31969E-04	.10347E-04

28 28

1	-.1726E-03	-.6296E-03	-.1033E-03	-.16127E-06	-.10563E-05	-.73404E-05
2	-.6421E-02	-.1745E-04	-.9839E-03	-.58602E-08	-.38986E-04	-.35333E-05
3	-.1159E-03	-.4587E-04	-.1024E-03	-.10465E-06	-.23377E-06	-.40161E-05
4	-.1265E-03	-.4423E-04	-.3591E-04	-.10192E-06	-.24604E-08	-.27939E-06
5	-.2230E-02	-.4775E-04	-.1957E-02	-.93901E-07	-.30692E-06	-.64153E-06
6	-.7989E-03	-.1074E-03	-.5876E-03	-.23512E-06	-.16169E-06	-.47566E-06
7	-.5638E-03	-.4335E-04	-.1014E-02	-.33792E-07	-.77317E-05	-.17412E-05
8	-.1231E-05	-.2791E-04	-.1614E-04	-.58532E-07	-.42757E-07	-.44264E-06
9	-.8400E-03	-.9486E-04	-.7925E-03	-.22893E-06	-.21099E-05	-.68546E-06
10	-.6836E-03	-.3135E-05	-.3408E-03	-.6090E-07	-.37733E-07	-.17830E-05
11	-.8108E-05	-.4595E-04	-.0917E-05	-.17660E-06	-.37849E-07	-.43990E-06
12	-.3914E-04	-.1710E-04	-.2049E-05	-.88278E-07	-.96134E-06	-.29611E-06
13	-.5335E-04	-.3931E-04	-.1048E-04	-.13568E-06	-.10216E-05	-.19477E-07
14	-.1497E-03	-.1157E-04	-.4440E-05	-.8143E-07	-.50529E-06	-.76523E-06
15	-.1287E-03	-.2317E-04	-.2380E-04	-.23562E-06	-.11650E-05	-.54756E-06
16	-.3072E-08	-.8606E-09	-.1434E-08	-.56422E-11	-.22100E-10	-.17458E-11
17	-.2168E-04	-.8929E-06	-.1392E-04	-.55173E-06	-.74658E-06	-.47903E-06
18	-.1320E-04	-.4415E-04	-.5926E-06	-.26499E-07	-.56306E-07	-.98302E-07
19	-.5060E-05	-.2086E-04	-.8138E-07	-.17405E-07	-.14451E-07	-.75452E-07
20	-.1208E-04	-.1141E-05	-.5312E-06	-.50653E-07	-.27410E-06	-.21242E-06
21	-.5310E-05	-.2482E-05	-.1774E-05	-.18237E-08	-.10465E-06	-.52091E-07
22	-.2489E-05	-.1620E-06	-.1520E-06	-.51462E-08	-.11498E-07	-.21518E-07
23	-.2458E-04	-.2214E-05	-.7025E-05	-.24613E-07	-.61795E-06	-.30831E-07
24	-.1541E-06	-.9283E-06	-.10061E-06	-.18164E-07	-.22353E-08	-.36944E-08
25	-.4488E-05	-.1212E-05	-.2114E-05	-.23805E-07	-.14349E-07	-.12728E-07
26	-.1207E-04	-.1188E-05	-.2186E-05	-.86905E-07	-.23475E-06	-.59010E-08
27	-.2205E-05	-.6796E-06	-.2590E-05	-.62275E-07	-.14064E-06	-.47332E-07
28	-.7161E-05	-.1578E-05	-.4625E-05	-.13543E-07	-.93847E-07	-.15353E-06
29	-.5570E-05	-.2505E-05	-.2359E-05	-.7466E-07	-.10928E-06	-.34323E-07
30	-.7647E-07	-.9966E-06	-.3367E-06	-.89129E-07	-.14274E-07	-.10435E-08
31	-.2920E-06	-.2373E-07	-.7669E-07	-.79423E-09	-.35066E-08	-.75208E-09

MAXIMUM VALUE	.64210E-02	.62964E-03	.19578E-02	.35173E-06	.38986E-04	.73404E-05
ABSOLUTE SUM	.12511E-01	.12799E-02	.60221E-02	.26497E-05	.58861E-04	.24237E-04
SURT.SUM OF SG	.69640E-02	.65029E-03	.26352E-02	.66755E-06	.39880E-04	.95695E-05
CLSLY SP MODES	.70650E-02	.68102E-03	.28894E-02	.81535E-06	.39951E-04	.10001E-04

27 27

1	-.1095E-03	-.4498E-03	-.9920E-04	-.35051E-05	-.10177E-05	-.66211E-05
2	-.4017E-02	-.1295E-04	-.8728E-03	-.33727E-06	-.39521E-04	-.31015E-05
3	-.1276E-03	-.2286E-04	-.1022E-03	-.45362E-06	-.20607E-06	-.44909E-05
4	-.1366E-03	-.2270E-04	-.3503E-04	-.76075E-06	-.50361E-06	-.30356E-06
5	-.2150E-02	-.2556E-04	-.1962E-02	-.69991E-06	-.13691E-05	-.94876E-06



MAXIMUM VALUE	ABSOLUTE SUM	SUM OF SC	CLSLY SP MODES
.64210E-02	.62994E-03	.19578E-02	.35170E-06
.12511E-01	.12795E-02	.00221E-02	.26497E-05
.67640E-02	.65029E-03	.26352E-02	.6675E-06
.70650E-02	.68108E-03	.28894E-02	.81530E-06
			.38980E-04
			.56861E-04
			.39880E-04
			.39951E-04
			.73404E-03
			.29237E-04
			.95695E-05
			.10001E-04

27	27	1	.10955E-03	.44989E-03	.99206E-04	.35851E-05	-.10177E-05	.66211E-05
		2	-.40173E-02	.12956E-04	-.87285E-03	.33729E-06	.39521E-04	-.31015E-05
		3	-.12704E-03	-.10224E-03	.10224E-03	-.45302E-06	-.20607E-06	-.44909E-05
		4	-.13609E-03	.22706E-04	.35937E-04	.76075E-06	-.50361E-06	.30356E-06
		5	.21502E-02	.25563E-04	-.19627E-02	.69991E-06	-.13691E-05	.94876E-06
		6	.68714E-03	-.56153E-04	-.38763E-03	-.18897E-05	-.16385E-06	.64102E-06
		7	.31265E-05	.30442E-04	.10357E-02	.25091E-06	.11348E-04	.18570E-05
		8	.19519E-05	-.22163E-04	.16270E-04	-.19832E-06	.84882E-07	.39292E-06
		9	-.77976E-03	-.47917E-04	.79272E-03	-.16834E-05	.26572E-05	.58713E-06
		10	-.62952E-03	-.17896E-05	-.34234E-03	.12387E-07	.17513E-05	.17089E-05
		11	-.95035E-05	-.19021E-04	-.67462E-05	-.04407E-06	-.36565E-08	-.45668E-06
		12	.92056E-04	.59666E-05	-.48785E-06	.39324E-06	.73419E-06	-.39834E-06
		13	.10833E-03	-.17242E-04	-.67379E-05	-.71303E-06	.73833E-06	-.44875E-07
		14	.19323E-03	-.11638E-04	.32868E-05	-.10963E-06	-.77225E-06	.76696E-06
		15	-.17530E-03	-.25648E-04	-.25293E-04	-.26811E-07	-.18880E-06	-.58033E-06
		16	.37072E-08	.79173E-09	.14136E-08	.63905E-11	-.53504E-11	-.30532E-11
		17	.29496E-04	-.11512E-04	.16268E-04	.10121E-06	.79576E-06	-.43074E-06
		18	-.67356E-05	-.36812E-04	.25695E-06	-.21845E-06	.14854E-06	-.92994E-07
		19	.30172E-05	-.18306E-04	-.16123E-06	-.94577E-07	-.51275E-07	-.74585E-07
		20	.79526E-05	.34667E-05	.15672E-05	-.53163E-07	.32654E-06	.25194E-06
		21	.10038E-04	.17303E-05	.18969E-05	.31363E-07	.21006E-07	-.48927E-07
		22	.25009E-05	.18132E-06	.15079E-06	-.44392E-08	-.15275E-07	-.20650E-07
		23	-.16837E-04	-.16100E-06	-.83387E-05	.51913E-07	-.60679E-06	-.14836E-07
		24	.13737E-07	.52504E-06	-.82190E-07	-.26823E-07	-.16802E-08	-.13323E-08
		25	-.52144E-05	.71276E-06	.11847E-05	-.33563E-07	.21360E-08	-.90281E-08
		26	.22780E-04	.44272E-05	.34033E-05	-.72712E-07	-.79833E-09	.64130E-08
		27	.49740E-05	-.32457E-05	.15609E-05	.53583E-07	.39202E-07	-.60169E-07
		28	-.84912E-05	-.35469E-05	-.35469E-05	-.17985E-07	.99745E-07	-.16321E-06
		29	.10826E-04	-.56725E-05	-.13677E-05	-.76807E-08	.11210E-08	.29989E-07
		30	-.82023E-06	-.56819E-05	.30446E-06	.23405E-07	-.47370E-08	-.12040E-07
		31	-.52275E-07	.34785E-07	.46965E-07	-.60487E-09	-.58657E-08	-.91368E-09

MAXIMUM VALUE	ABSOLUTE SUM	SUM OF SC	CLSLY SP MODES
.40173E-02	.44989E-03	.19627E-02	.35851E-05
.93532E-02	.93532E-03	.59330E-02	.26497E-05
.47303E-02	.46320E-03	.26078E-02	.47143E-05
.44001E-02	.47601E-03	.28689E-02	.52013E-05
			.39521E-04
			.63181E-04
			.41315E-04
			.41424E-04
			.66211E-05
			.24118E-04
			.91372E-05
			.96562E-05

26	26	1	.59219E-04	.14809E-03	.90496E-04	.33631E-05	-.76762E-06	.55407E-05
		2	-.18149E-02	.91186E-05	-.57745E-03	.45473E-06	.31730E-04	-.26953E-05
		3	-.14014E-03	.53965E-04	.10060E-03	-.10792E-05	-.31222E-06	-.49755E-05
		4	-.18554E-03	-.47761E-04	.29620E-04	.17241E-05	-.14034E-05	.33254E-06
		5	.26727E-02	-.44225E-04	-.19700E-02	.15050E-05	.71497E-06	.12536E-05
		6	.69021E-03	.16629E-03	-.58450E-03	-.41815E-05	.10525E-05	.8039CE-06
		7	.76057E-03	-.49575E-05	.11285E-02	.37535E-06	.14601E-04	.19518E-05
		8	.86705E-05	-.86742E-05	.17025E-04	-.24759E-06	.12779E-06	.36707E-06
		9	-.62953E-03	.95805E-04	.80239E-03	-.36145E-05	.13658E-05	.49422E-06
		10	-.48002E-03	-.15703E-04	-.32493E-03	.85485E-07	.22189E-05	.16454E-05
		11	-.86460E-05	.57282E-04	-.67638E-05	-.17654E-05	.18006E-07	-.47283E-06
		12	.12501E-03	-.24544E-04	.31596E-05	.83534E-06	.48843E-06	-.49882E-06
		13	.13971E-03	.44399E-04	-.51189E-05	-.14557E-05	.46016E-06	-.65310E-07
		14	.11040E-03	-.67906E-05	-.84903E-05	-.19306E-06	-.15786E-05	.78341E-06
		15	-.15123E-03	-.14272E-04	-.21461E-04	-.46954E-07	.63839E-06	-.58309E-06
		16	.24644E-08	.15437E-09	.11880E-08	.12019E-10	-.27724E-10	-.52041E-11
		17	.71049E-04	-.85509E-05	.21579E-04	.52887E-08	.57154E-06	-.36144E-06
		18	.40792E-05	-.17839E-04	.22256E-05	-.22968E-06	.17470E-06	-.58352E-07
		19	-.90307E-06	-.91610E-05	-.65627E-06	-.10804E-06	-.64512E-07	-.57992E-07
		20	.25923E-04	.47166E-05	.40583E-05	-.85124E-07	.25141E-06	.28809E-06
		21	.78053E-05	-.66943E-06	.14930E-05	-.64508E-07	-.48242E-07	-.48242E-07
		22	.71960E-06	.56588E-06	-.82279E-07	-.44243E-08	-.32693E-07	-.19927E-07
		23	-.46205E-04	-.37116E-05	-.11074E-04	.67151E-07	-.27197E-06	-.40139E-09
		24	-.46221E-07	.22072E-05	-.61816E-07	-.31937E-07	.29543E-10	.12048E-08
		25	-.40873E-05	.27805E-05	.35602E-06	-.36973E-07	.90876E-08	-.32218E-08
		26	.11553E-04	.72311E-05	.26663E-05	-.49545E-07	-.22439E-06	.37282E-08
		27	.26286E-05	-.49161E-05	-.14170E-06	.40859E-07	-.84538E-07	-.70539E-07
		28	.41640E-05	.22021E-05	-.56635E-06	-.69380E-08	.22999E-06	-.17270E-06
		29	.55972E-05	-.19764E-05	-.11474E-05	-.73572E-07	-.96693E-07	.34330E-07
		30	-.62903E-06	-.36005E-05	.31578E-06	-.39019E-07	.70183E-08	-.17332E-07
		31	-.36648E-06	.56628E-07	-.15248E-07	-.66322E-10	-.38855E-08	-.10947E-08

MAXIMUM VALUE	ABSOLUTE SUM	SUM OF SC	CLSLY SP MODES
.20727E-02	.14809E-03	.19700E-02	.41816E-05
.75572E-02	.75226E-03	.57174E-02	.21753E-04
			.59576E-04
			.55407E-05
			.23602E-04



23	-.48255E-04	-.3711E-03	-.48255E-04	-.3711E-03	-.48255E-04	-.3711E-03
24	-.4021E-07	-.220E-05	-.6181E-07	-.31939E-07	-.29543E-07	-.12048E-08
25	-.40673E-05	-.27805E-05	-.35027E-06	-.36973E-07	-.90876E-08	-.32218E-08
26	-.11953E-04	-.72311E-05	-.26663E-05	-.4954E-07	-.22439E-06	-.39282E-08
27	-.26286E-05	-.49161E-05	-.10170E-06	-.4085E-07	-.89538E-07	-.70539E-07
28	-.41040E-05	-.22021E-05	-.56035E-06	-.69380E-08	-.22999E-06	-.17270E-06
29	-.55972E-05	-.19764E-05	-.11474E-05	-.73572E-07	-.96093E-07	-.34330E-07
30	-.62903E-06	-.36005E-05	-.31574E-06	-.39019E-07	-.70183E-08	-.17332E-07
31	-.36648E-06	-.56020E-07	-.15248E-07	-.66322E-10	-.30855E-08	-.10947E-08

MAXIMUM VALUE	-.20727E-02	-.14809E-03	-.19790E-02	-.41815E-05	-.31736E-04	-.55407E-05
ABSOLUTE SUM	-.75572E-02	-.75226E-03	-.57174E-02	-.21750E-04	-.59576E-04	-.23602E-04
SORT, SUM OF SC	-.30071E-02	-.23815E-03	-.25084E-02	-.73990E-05	-.35149E-04	-.85810E-05
CLSLY SP MODES	-.33686E-02	-.27684E-03	-.28483E-02	-.86345E-05	-.35695E-04	-.92170E-05

25	25	1	-.21159E-04	-.47847E-04	-.82663E-04	-.14929E-05	-.45521E-06	-.43205E-05
		2	-.35395E-03	-.14621E-04	-.25189E-03	-.48163E-06	-.26464E-04	-.23015E-05
		3	-.16379E-03	-.20321E-03	-.96961E-04	-.12422E-05	-.24155E-06	-.53233E-05
		4	-.29831E-03	-.18240E-03	-.58922E-05	-.23361E-05	-.22302E-05	-.24106E-06
		5	-.22349E-02	-.17355E-03	-.19579E-02	-.18991E-05	-.18240E-05	-.14338E-05
		6	-.80834E-03	-.40812E-03	-.56375E-03	-.56383E-05	-.20706E-05	-.12464E-05
		7	-.16843E-02	-.52533E-04	-.13370E-02	-.25127E-06	-.14773E-04	-.19985E-05
		8	-.16042E-04	-.10921E-05	-.19025E-04	-.19392E-06	-.14064E-06	-.35232E-06
		9	-.62027E-03	-.35784E-03	-.80451E-03	-.46617E-05	-.55757E-06	-.66896E-06
		10	-.37227E-03	-.44898E-04	-.30620E-03	-.69547E-07	-.20505E-05	-.15534E-05
		11	-.74426E-05	-.19354E-03	-.64864E-05	-.21301E-05	-.37142E-07	-.32872E-06
		12	-.14064E-03	-.79723E-04	-.74494E-05	-.10707E-05	-.63681E-07	-.66364E-06
		13	-.16103E-03	-.15140E-03	-.11483E-05	-.17263E-05	-.19297E-07	-.45815E-07
		14	-.12145E-04	-.53866E-05	-.31753E-04	-.23212E-06	-.16604E-05	-.80389E-06
		15	-.10233E-03	-.84469E-05	-.99507E-05	-.68707E-07	-.11433E-05	-.57456E-06
		16	-.59208E-09	-.54809E-09	-.70815E-09	-.13001E-10	-.36900E-10	-.83367E-11
		17	-.95366E-04	-.49921E-05	-.26850E-04	-.15971E-09	-.63525E-08	-.28204E-06
		18	-.13379E-04	-.92648E-05	-.42289E-05	-.11302E-06	-.89074E-07	-.17155E-07
		19	-.44073E-05	-.47942E-05	-.14101E-05	-.52633E-07	-.36205E-07	-.37201E-07
		20	-.36859E-04	-.73319E-05	-.65744E-05	-.10243E-06	-.78124E-08	-.33104E-06
		21	-.26863E-05	-.32506E-05	-.25605E-06	-.39363E-07	-.10313E-06	-.54022E-07
		22	-.12522E-05	-.10915E-05	-.51015E-06	-.12953E-08	-.25061E-07	-.17828E-07
		23	-.50521E-04	-.78797E-05	-.11140E-04	-.21663E-07	-.31132E-06	-.72489E-09
		24	-.67261E-08	-.41584E-05	-.21974E-07	-.90137E-08	-.18353E-08	-.10188E-07
		25	-.38330E-05	-.50056E-05	-.56952E-06	-.48345E-08	-.40648E-08	-.10711E-07
		26	-.31499E-05	-.10033E-04	-.65578E-07	-.23341E-07	-.20720E-06	-.14708E-07
		27	-.47621E-05	-.64876E-05	-.32258E-05	-.11423E-08	-.11760E-06	-.88840E-07
		28	-.71471E-04	-.20540E-05	-.36057E-05	-.49972E-07	-.89262E-07	-.17274E-06
		29	-.55373E-06	-.20332E-05	-.15923E-05	-.58083E-07	-.68691E-07	-.52009E-07
		30	-.73364E-07	-.87355E-06	-.41995E-06	-.46203E-07	-.81279E-08	-.14843E-07
		31	-.49264E-06	-.64941E-07	-.55774E-07	-.87831E-09	-.34505E-08	-.11774E-08

MAXIMUM VALUE	-.22349E-02	-.40812E-03	-.12579E-02	-.56383E-05	-.20464E-04	-.53233E-05
ABSOLUTE SUM	-.72408E-02	-.19962E-02	-.55431E-02	-.24041E-04	-.48811E-04	-.22962E-04
SORT, SUM OF SC	-.30532E-02	-.68840E-03	-.26604E-02	-.86973E-05	-.25665E-04	-.80442E-05
CLSLY SP MODES	-.36895E-02	-.85335E-03	-.28948E-02	-.10181E-04	-.27086E-04	-.87449E-05

24	24	1	-.27391E-05	-.15074E-03	-.76292E-04	-.33368E-08	-.25781E-06	-.32545E-05
		2	-.50770E-03	-.23005E-04	-.22319E-04	-.54146E-06	-.11391E-04	-.19031E-05
		3	-.16814E-03	-.35572E-03	-.97052E-04	-.28809E-06	-.27995E-06	-.53651E-05
		4	-.43774E-03	-.31829E-03	-.37051E-04	-.20313E-05	-.25944E-05	-.93837E-07
		5	-.22881E-02	-.30210E-03	-.19618E-02	-.13709E-05	-.17824E-05	-.13732E-05
		6	-.92576E-03	-.70353E-03	-.53065E-03	-.50812E-05	-.16275E-05	-.22197E-05
		7	-.24294E-02	-.93947E-04	-.15728E-02	-.14767E-06	-.10395E-04	-.19807E-05
		8	-.23955E-04	-.24565E-05	-.21383E-04	-.15823E-06	-.10466E-06	-.33176E-06
		9	-.69031E-03	-.60317E-03	-.77919E-03	-.39269E-05	-.18280E-05	-.1312E-05
		10	-.24581E-03	-.70346E-04	-.27073E-03	-.17412E-06	-.23396E-05	-.14091E-05
		11	-.44731E-05	-.30720E-03	-.55079E-05	-.15134E-05	-.65779E-07	-.52120E-07
		12	-.13294E-03	-.12483E-03	-.17383E-05	-.92510E-06	-.58624E-06	-.92021E-06
		13	-.14258E-03	-.23756E-03	-.77515E-05	-.12394E-05	-.64444E-06	-.33685E-06
		14	-.76745E-04	-.49330E-05	-.60669E-04	-.30504E-06	-.12907E-05	-.81751E-06
		15	-.22671E-04	-.45642E-05	-.15594E-04	-.15316E-06	-.14189E-05	-.57530E-06
		16	-.16712E-08	-.10567E-08	-.49442E-10	-.11577E-10	-.36041E-10	-.11801E-10
		17	-.70902E-04	-.13027E-06	-.18975E-04	-.10137E-07	-.69708E-06	-.20285E-06
		18	-.14257E-04	-.44126E-05	-.44263E-05	-.69127E-07	-.46813E-07	-.54613E-08
		19	-.50338E-05	-.20678E-05	-.15768E-05	-.29518E-07	-.11377E-07	-.24730E-07
		20	-.26962E-04	-.61644E-05	-.36137E-05	-.82265E-07	-.27344E-06	-.38116E-06
		21	-.37698E-05	-.36697E-05	-.18657E-05	-.59360E-06	-.97010E-07	-.63447E-07
		22	-.21236E-05	-.95546E-06	-.78651E-06	-.12920E-07	-.73813E-08	-.14850E-07
		23	-.12000E-04	-.61912E-05	-.18106E-05	-.62935E-07	-.75943E-06	-.25249E-08
		24	-.14526E-06	-.29057E-05	-.51208E-07	-.30580E-07	-.25847E-08	-.20222E-07
		25	-.31296E-05	-.29872E-05	-.13725E-05	-.43651E-07	-.23470E-09	-.24382E-07
		26	-.11844E-04	-.15795E-05	-.19383E-05	-.11862E-06	-.61625E-07	-.21514E-07



16	-.226712E-04	-.10007E-08	-.40007E-10	-.11577E-10	-.36041E-07	-.11801E-10
17	-.70902E-04	-.13627E-06	-.14975E-04	-.10137E-07	-.69708E-06	-.20285E-08
18	-.14257E-04	-.44126E-05	-.44263E-05	-.69127E-07	-.46813E-07	-.54613E-08
19	-.50338E-05	-.20678E-05	-.15768E-05	-.29517E-07	-.11377E-07	-.24730E-07
20	-.26962E-04	-.61644E-05	-.36137E-05	-.82267E-07	-.27344E-06	-.38116E-06
21	-.37692E-05	-.34697E-05	-.18657E-05	-.59360E-08	-.97010E-07	-.63447E-07
22	-.21236E-05	-.95546E-06	-.78051E-06	-.12920E-07	-.43813E-08	-.14850E-07
23	-.12000E-04	-.61918E-05	-.18100E-05	-.62935E-07	-.75903E-06	-.25249E-08
24	-.14526E-06	-.29057E-05	-.51208E-07	-.30580E-07	-.25847E-08	-.20222E-07
25	-.31246E-05	-.29872E-05	-.13725E-05	-.43651E-07	-.23470E-09	-.24382E-07
26	-.11856E-04	-.41575E-05	-.19383E-05	-.11802E-06	-.61625E-07	-.21514E-07
27	-.79559E-05	-.23391E-05	-.62119E-05	-.40001E-07	-.61154E-07	-.10320E-06
28	-.13767E-04	-.18114E-05	-.37876E-05	-.11933E-06	-.12008E-06	-.17489E-06
29	-.26802E-05	-.29822E-05	-.12284E-05	-.20859E-07	-.87651E-08	-.72742E-07
30	-.31301E-06	-.20546E-05	-.49224E-06	-.32907E-07	-.24935E-08	-.60655E-08
31	-.60462E-03	-.62333E-08	-.77844E-07	-.17207E-08	-.81344E-08	-.13889E-08

MAXIMUM VALUE	.24299E-02	.70353E-03	.19618E-02	.50812E-05	.11391E-04	.53851E-05
ABSOLUTE SUM	.02765E-02	.33456E-02	.55082E-02	.18547E-04	.38760E-04	.23085E-04
SGRT, SUM OF SG	.36143E-02	.11754E-02	.27030E-02	.72289E-05	.16277E-04	.77445E-05
CLS LY SP MODES	.44617E-02	.14544E-02	.30384E-02	.82311E-05	.17701E-04	.85573E-05

23	23	1	-.70302E-05	-.17794E-03	.71648E-04	-.11171E-05	-.14626E-06	.23663E-05
		2	-.90642E-03	.30563E-04	.19039E-03	.63110E-06	.43192E-05	-.14998E-05
		3	-.13435E-03	.45075E-03	.11202E-03	.16938E-05	.11340E-05	-.51121E-05
		4	-.58418E-03	-.40125E-03	-.96628E-04	.90188E-06	-.26700E-05	-.70564E-06
		5	-.20551E-02	-.37907E-03	-.20802E-02	.14807E-07	-.82939E-05	.10382E-05
		6	.99032E-03	.87586E-03	-.50816E-03	-.27948E-05	.32962E-06	.37733E-05
		7	.28312E-02	-.11574E-03	.17393E-02	-.77958E-06	.29058E-05	.18921E-05
		8	.28153E-04	.31051E-05	.23171E-04	-.13923E-06	.33215E-07	.30464E-06
		9	-.81816E-03	.73580E-03	.72294E-03	-.17093E-05	-.27110E-05	.24419E-05
		10	-.11206E-03	-.81996E-04	-.21902E-03	-.56844E-06	.25200E-05	.12198E-05
		11	-.25676E-05	.35734E-03	-.37182E-05	-.27523E-06	.85819E-07	.63029E-06
		12	.85208E-04	-.14415E-03	-.18807E-04	.56435E-06	-.11229E-05	-.12459E-05
		13	.91700E-04	.27387E-03	-.29027E-04	-.31577E-06	-.11666E-05	.76484E-06
		14	-.12957E-03	-.46317E-05	-.83390E-04	-.39721E-06	-.41444E-06	.82618E-06
		15	.53227E-04	-.21924E-05	.47379E-04	.23572E-04	.10881E-05	-.57889E-06
		16	-.33837E-08	-.13441E-08	-.61208E-09	.10243E-10	-.19853E-10	-.15163E-10
		17	.19408E-04	.40854E-05	-.24671E-05	-.20327E-06	-.10297E-05	-.11783E-06
		18	.84024E-05	-.18695E-05	.19226E-05	-.48153E-07	-.15702E-06	.18415E-07
		19	-.32182E-05	-.55608E-06	-.79378E-06	-.13883E-07	.52061E-07	-.15592E-07
		20	.69297E-05	.10381E-05	-.44922E-05	-.66077E-07	-.38097E-06	.42888E-06
		21	-.79294E-05	-.13682E-05	-.36666E-05	-.27077E-07	-.24108E-07	-.71767E-07
		22	.17594E-05	.26827E-06	-.61857E-06	.22913E-07	.19341E-07	-.12771E-07
		23	.32041E-04	-.92775E-06	.20776E-04	-.11453E-06	.54407E-06	.79707E-08
		24	.27067E-06	.84383E-08	.13322E-06	.45449E-07	.94294E-09	.20493E-07
		25	-.31254E-05	-.75936E-06	-.24283E-05	.51512E-07	-.12413E-08	.22471E-07
		26	-.10542E-04	-.37599E-05	-.61980E-06	.11053E-06	.13244E-06	-.10331E-07
		27	-.10639E-04	.28720E-05	.18744E-05	-.22093E-07	.68923E-07	-.89939E-07
		28	.35239E-05	-.17738E-05	.94450E-06	.13793E-06	-.18403E-06	-.19655E-06
		29	-.34318E-06	.14092E-05	.80572E-06	.61293E-08	.73794E-07	.88755E-07
		30	.23621E-06	.29609E-05	.40937E-06	.15573E-07	-.74455E-08	.14571E-07
		31	.41225E-06	-.66876E-07	.21984E-06	.11841E-06	.10753E-08	-.21016E-08

MAXIMUM VALUE	.28312E-02	.87584E-03	.20802E-02	.27943E-05	.82939E-05	.51121E-05
ABSOLUTE SUM	.89361E-02	.40580E-02	.59049E-02	.12621E-04	.31631E-04	.25518E-04
SGRT, SUM OF SG	.38886E-02	.14466E-02	.28733E-02	.42163E-05	.11124E-04	.80456E-05
CLS LY SP MODES	.48486E-02	.17409E-02	.32503E-02	.51902E-05	.13420E-04	.97725E-05

22	22	1	-.12425E-04	-.14894E-03	.68184E-04	-.18717E-05	-.91808E-07	.16841E-05
		2	-.97162E-03	.30204E-04	.22785E-03	.74503E-06	-.69177E-06	-.10925E-05
		3	-.49842E-04	.42967E-03	.15606E-03	.44383E-05	.22263E-05	-.45153E-05
		4	-.72197E-03	-.37853E-03	-.16751E-03	-.86141E-06	-.27521E-05	-.15645E-05
		5	.10340E-02	-.35521E-03	-.24231E-02	-.19873E-05	-.16319E-04	.46272E-06
		6	.96475E-03	.81180E-03	-.52353E-03	.69373E-06	-.12251E-05	.57557E-05
		7	.27481E-02	-.10516E-03	.14949E-02	-.15631E-05	-.51810E-05	.17580E-05
		8	.27547E-04	.22312E-05	.22874E-04	-.13872E-06	-.46978E-07	.26886E-06
		9	-.97313E-03	.66311E-03	.03494E-03	.13197E-05	-.34368E-05	.38216E-05
		10	.24709E-04	-.70400E-04	-.15680E-03	-.98653E-06	.24438E-05	.10412E-05
		11	.45691E-05	.30529E-03	-.11388E-05	.98471E-06	.91745E-07	.11378E-05
		12	.14827E-04	-.12284E-03	-.55750E-04	.25563E-06	-.13738E-05	-.15163E-05
		13	.19402E-04	.23335E-03	-.66953E-04	.51835E-06	-.13766E-05	.10869E-05
		14	-.12135E-03	-.37655E-05	-.79715E-04	-.49711E-06	.58154E-06	.83444E-06
		15	.93165E-04	-.85041E-06	.08163E-04	.32355E-06	.37795E-06	-.58172E-06
		16	-.37515E-08	-.13920E-08	-.10401E-08	.13245E-10	.21771E-11	-.16199E-10
		17	-.37992E-04	.57699E-05	-.32184E-04	.69613E-08	-.92406E-06	-.34830E-07
		18	-.22216E-05	-.20814E-06	-.34387E-05	-.41623E-07	-.19498E-06	.24761E-07





8	-.2747E-04	-.2231E-03	-.2287E-04	-.1387E-06	-.46978E-06	-.26886E-06
9	-.97313E-03	-.66311E-03	-.63894E-03	-.13197E-05	-.34368E-05	-.36216E-05
10	-.20709E-04	-.15080E-04	-.15080E-04	-.9865E-06	-.24438E-05	-.10412E-05
11	-.35691E-05	-.30529E-03	-.11388E-05	-.9847E-06	-.91745E-07	-.11378E-05
12	-.14927E-04	-.12284E-03	-.55750E-04	-.25569E-06	-.13738E-05	-.15163E-05
13	-.19602E-04	-.23335E-03	-.66953E-04	-.51836E-06	-.13766E-05	-.10869E-05
14	-.12135E-03	-.37655E-05	-.79715E-04	-.49711E-06	-.58154E-06	-.83444E-06
15	-.93165E-04	-.85041E-06	-.08163E-04	-.32359E-06	-.37795E-06	-.58172E-06
16	-.37515E-08	-.13926E-08	-.10801E-08	-.13246E-10	-.21771E-11	-.16199E-10
17	-.37992E-04	-.57695E-05	-.32184E-04	-.69613E-08	-.92406E-06	-.34836E-07
18	-.22219E-05	-.20816E-06	-.36387E-05	-.41623E-07	-.19498E-06	-.24761E-07
19	-.48380E-06	-.17824E-06	-.11476E-05	-.28735E-08	-.60396E-07	-.88735E-08
20	-.13570E-04	-.81201E-05	-.14762E-04	-.59018E-07	-.29901E-06	-.47111E-06
21	-.63770E-05	-.29376E-05	-.29376E-05	-.51627E-07	-.60040E-07	-.74741E-07
22	-.10980E-06	-.83778E-06	-.24458E-06	-.29676E-07	-.32421E-07	-.12556E-07
23	-.05696E-04	-.54848E-05	-.28363E-04	-.12645E-06	-.55196E-08	-.32154E-07
24	-.22508E-06	-.29082E-05	-.14040E-06	-.36189E-07	-.13001E-08	-.99966E-08
25	-.24640E-05	-.35617E-05	-.31422E-05	-.27573E-07	-.40736E-09	-.65931E-08
26	-.20286E-05	-.69772E-05	-.65043E-05	-.45186E-07	-.23244E-06	-.64323E-07
27	-.18423E-05	-.44344E-05	-.45916E-05	-.62448E-07	-.15606E-06	-.62520E-07
28	-.67945E-05	-.30336E-05	-.29035E-05	-.13154E-06	-.10972E-06	-.22803E-06
29	-.42626E-05	-.20516E-05	-.42451E-05	-.31091E-08	-.80161E-07	-.88869E-07
30	-.41353E-06	-.30197E-06	-.29097E-08	-.51453E-07	-.12141E-07	-.24721E-07
31	-.15465E-06	-.27113E-07	-.55860E-07	-.52229E-09	-.69202E-08	-.27629E-08

MAXIMUM VALUE	-.27481E-02	-.8118CE-03	-.24231E-02	-.45389E-05	-.16319E-04	-.57557E-05
ABSOLUTE SUM	-.83022E-02	-.37082E-02	-.60483E-02	-.17962E-04	-.40401E-04	-.28274E-04
SQRT SUM OF SG	-.36016E-02	-.13247E-02	-.30943E-02	-.60622E-05	-.18188E-04	-.92287E-05
CLS LY SP MODES	-.45407E-02	-.16428E-02	-.35113E-02	-.73467E-05	-.21248E-04	-.11544E-04

21	21	1	-.15820E-04	-.86637E-04	-.65328E-04	-.22612E-05	-.64772E-07	-.12357E-05
		2	-.83922E-03	-.18322E-04	-.14759E-03	-.08033E-06	-.36024E-05	-.689312E-06
		3	-.87771E-04	-.25623E-03	-.24791E-03	-.80832E-05	-.39059E-05	-.36095E-05
		4	-.86398E-03	-.22022E-03	-.25716E-03	-.31495E-05	-.31100E-05	-.26358E-05
		5	-.42577E-03	-.20534E-03	-.30214E-02	-.44575E-05	-.24572E-04	-.31473E-06
		6	-.86990E-03	-.66807E-03	-.58613E-03	-.48636E-05	-.24862E-05	-.79996E-05
		7	-.23168E-02	-.60668E-04	-.14193E-02	-.24179E-05	-.11324E-04	-.16064E-05
		8	-.23471E-04	-.15096E-05	-.20300E-04	-.15843E-06	-.10869E-06	-.22228E-06
		9	-.11593E-02	-.37872E-03	-.50866E-03	-.45174E-05	-.41531E-05	-.51967E-05
		10	-.13847E-03	-.43109E-04	-.41767E-04	-.13631E-05	-.19964E-05	-.93280E-06
		11	-.69244E-05	-.19165E-03	-.17406E-05	-.16763E-05	-.77622E-07	-.12866E-05
		12	-.53509E-04	-.81357E-04	-.99583E-04	-.26243E-06	-.11783E-05	-.15980E-05
		13	-.47744E-04	-.15838E-03	-.10976E-03	-.74543E-06	-.11174E-05	-.10426E-05
		14	-.71275E-04	-.32005E-05	-.48505E-04	-.59333E-06	-.13046E-05	-.84770E-06
		15	-.92500E-04	-.85350E-06	-.87702E-04	-.42363E-06	-.47510E-06	-.57992E-06
		16	-.31271E-08	-.17406E-08	-.75712E-09	-.20749E-10	-.20773E-10	-.12535E-10
		17	-.74676E-04	-.52996E-05	-.55264E-04	-.45343E-10	-.30786E-06	-.37720E-07
		18	-.11315E-04	-.90208E-06	-.94417E-05	-.40391E-07	-.11552E-06	-.27872E-07
		19	-.37926E-05	-.25628E-06	-.32623E-05	-.63221E-08	-.43609E-07	-.35572E-08
		20	-.23955E-04	-.20623E-04	-.20915E-04	-.66023E-07	-.19210E-07	-.50461E-06
		21	-.18696E-05	-.82144E-05	-.15777E-06	-.59793E-07	-.99224E-07	-.67858E-07
		22	-.15117E-05	-.19965E-05	-.12776E-05	-.31601E-07	-.21370E-07	-.15227E-07
		23	-.31750E-04	-.95665E-05	-.19989E-04	-.91841E-07	-.55315E-06	-.94224E-07
		24	-.11370E-06	-.41923E-05	-.10218E-06	-.34151E-08	-.23431E-08	-.14267E-07
		25	-.21346E-05	-.34027E-05	-.40447E-05	-.19453E-07	-.49795E-08	-.21356E-07
		26	-.12428E-04	-.45423E-05	-.13690E-04	-.31962E-07	-.65141E-07	-.12243E-06
		27	-.62669E-05	-.22453E-05	-.82096E-06	-.10973E-06	-.80809E-07	-.35635E-07
		28	-.90885E-05	-.17142E-05	-.27375E-05	-.12525E-06	-.93864E-07	-.25878E-06
		29	-.68563E-05	-.40785E-05	-.69732E-05	-.49673E-07	-.16644E-07	-.61210E-07
		30	-.92358E-06	-.36436E-05	-.40176E-06	-.27732E-07	-.17219E-08	-.40236E-09
		31	-.25378E-06	-.41611E-07	-.23361E-06	-.96712E-09	-.50601E-08	-.27771E-08

MAXIMUM VALUE	-.23168E-02	-.46807E-03	-.30814E-02	-.80832E-05	-.24572E-04	-.79996E-05
ABSOLUTE SUM	-.72625E-02	-.22455E-02	-.68821E-02	-.36453E-04	-.60397E-04	-.31059E-04
SQRT SUM OF SG	-.30256E-02	-.77548E-03	-.35079E-02	-.12517E-04	-.28265E-04	-.11103E-04
CLS LY SP MODES	-.37747E-02	-.96791E-03	-.39728E-02	-.16343E-04	-.32207E-04	-.13516E-04

20	20	1	-.17987E-04	-.15004E-04	-.62904E-04	-.22973E-05	-.34740E-07	-.10467E-05
		2	-.62559E-03	-.88825E-05	-.11196E-04	-.10333E-05	-.44212E-05	-.27265E-06
		3	-.27954E-03	-.10126E-03	-.39570E-03	-.12237E-04	-.48719E-05	-.24019E-05
		4	-.10224E-02	-.10014E-03	-.37849E-03	-.58173E-05	-.42066E-05	-.38949E-05
		5	-.90109E-03	-.92294E-04	-.41129E-02	-.73083E-05	-.33062E-04	-.12666E-05
		6	-.72878E-03	-.19142E-03	-.69374E-03	-.94716E-05	-.31525E-05	-.10373E-04
		7	-.16715E-02	-.18178E-04	-.92469E-03	-.33076E-05	-.13434E-04	-.14591E-05
		8	-.17198E-04	-.25683E-05	-.15508E-04	-.19882E-06	-.12796E-06	-.16290E-06
		9	-.13611E-02	-.11791E-03	-.34082E-03	-.76045E-05	-.51335E-05	-.63635E-05
		10	-.21137E-03	-.28313E-05	-.28385E-04	-.14653E-05	-.11567E-05	-.94511E-06



MAXIMUM VALUE  
ABSOLUTE SUM  
SCRIP SUM OF SC  
CLSLY SP MODES

1 1987E-04  
2 15004E-04  
3 16025E-03  
4 10212E-03  
5 10014E-02  
6 10224E-02  
7 16715E-02  
8 11708E-04  
9 13011E-02  
10 21137E-03  
11 11970E-04  
12 9870E-04  
13 88613E-04  
14 30226E-05  
15 49101E-04  
16 17075E-08  
17 13445E-04  
18 13493E-04  
19 47271E-05  
20 16455E-04  
21 32551E-05  
22 19725E-05  
23 65946E-05  
24 25165E-07  
25 99130E-06  
26 82750E-05  
27 71717E-05  
28 34000E-06  
29 19259E-05  
30 52026E-06  
31 30726E-06

MAXIMUM VALUE  
ABSOLUTE SUM  
SCRIP SUM OF SC  
CLSLY SP MODES

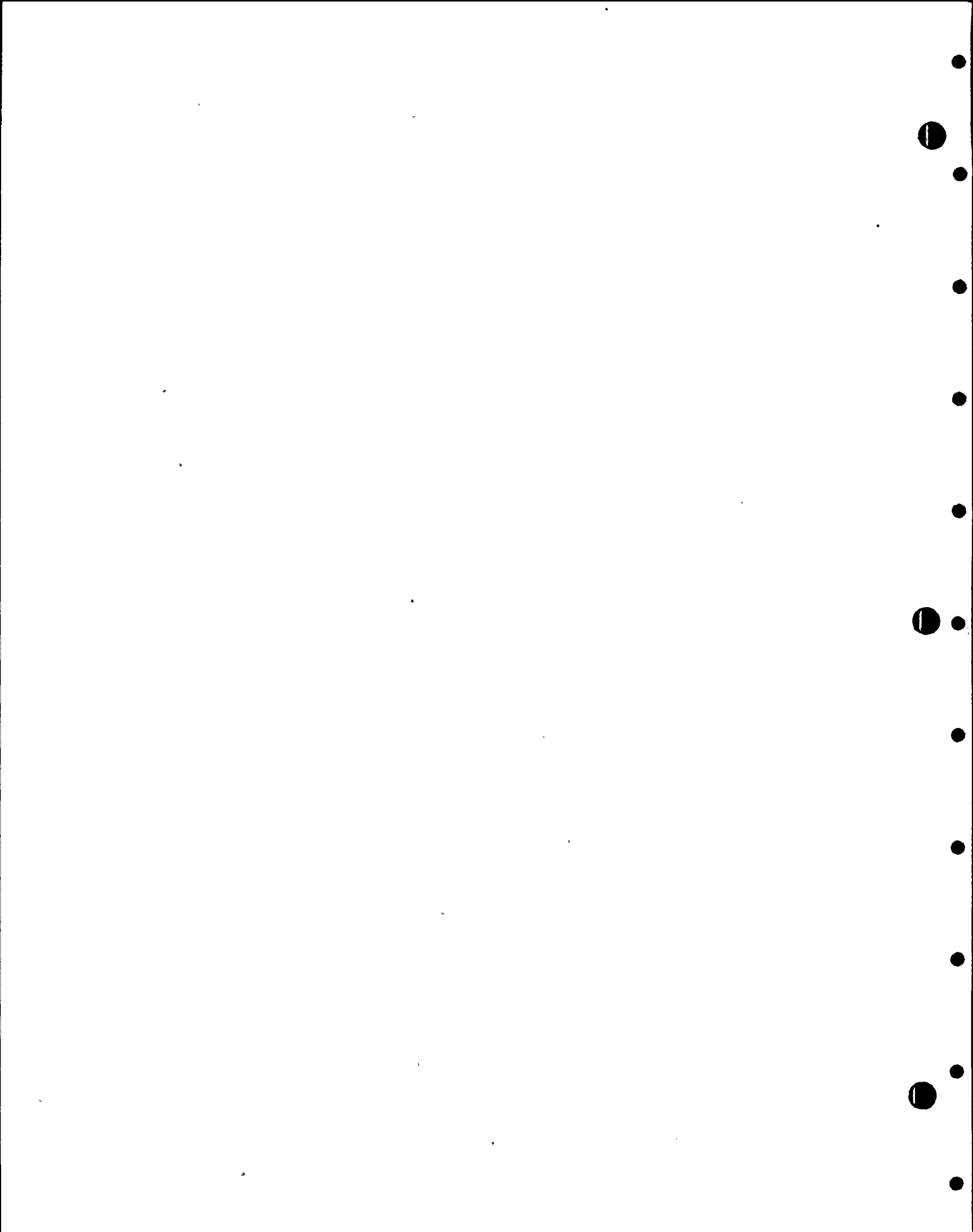
1 18488E-04  
2 47314E-03  
3 52125E-03  
4 12403E-02  
5 20798E-02  
6 59129E-03  
7 11202E-02  
8 11951E-04  
9 16090E-02  
10 20471E-03  
11 13950E-04  
12 12060E-03  
13 10440E-03  
14 68123E-04  
15 26075E-05  
16 47922E-09  
17 42547E-04  
18 11011E-04  
19 40246E-05  
20 19372E-05  
21 62300E-05  
22 15795E-05  
23 37959E-04  
24 96722E-07  
25 27905E-05  
26 95401E-06  
27 41866E-05  
28 9270E-05  
29 33154E-05  
30 70752E-08  
31 15017E-06

MAXIMUM VALUE  
ABSOLUTE SUM  
SCRIP SUM OF SC  
CLSLY SP MODES

1 1942E-03  
2 1942E-03  
3 93746E-03  
4 11242E-03  
5 11242E-02  
6 12239E-04  
7 3302E-04  
8 10373E-04  
9 33722E-04  
10 13384E-04  
11 15672E-04  
12 25985E-08  
13 27272E-02  
14 30095E-03  
15 39550E-03  
16 66945E-07  
17 19219E-05  
18 10219E-05  
19 42034E-05  
20 69018E-05  
21 12405E-05  
22 10845E-04  
23 42368E-05  
24 26471E-06  
25 99130E-06  
26 82750E-05  
27 71717E-05  
28 34000E-06  
29 19259E-05  
30 52026E-06  
31 30726E-06

MAXIMUM VALUE  
ABSOLUTE SUM  
SCRIP SUM OF SC  
CLSLY SP MODES

1 18488E-04  
2 47314E-03  
3 52125E-03  
4 12403E-02  
5 20798E-02  
6 59129E-03  
7 11202E-02  
8 11951E-04  
9 16090E-02  
10 20471E-03  
11 13950E-04  
12 12060E-03  
13 10440E-03  
14 68123E-04  
15 26075E-05  
16 47922E-09  
17 42547E-04  
18 11011E-04  
19 40246E-05  
20 19372E-05  
21 62300E-05  
22 15795E-05  
23 37959E-04  
24 96722E-07  
25 27905E-05  
26 95401E-06  
27 41866E-05  
28 9270E-05  
29 33154E-05  
30 70752E-08  
31 15017E-06



MAXIMUM VALUE  
ABSOLUTE SUM  
SORT, SUM OF SG  
CLSLY SP MODES

18 18

1	-.19432E-04	.79953E-04	.60727E-04	-.19721E-05	-.53214E-07	.97328E-06
2	.29337E-03	-.10563E-03	-.33580E-03	.10392E-05	-.31352E-05	.22215E-06
3	.74413E-03	-.12578E-02	.86509E-03	.18152E-04	.51920E-05	-.27211E-05
4	-.14086E-02	.11033E-02	-.75522E-03	-.62011E-05	-.32255E-05	-.33202E-05
5	-.38457E-02	.99990E-03	-.71123E-02	-.10311E-04	-.29205E-04	-.32929E-06
6	.47778E-03	-.21119E-02	-.95607E-03	.12001E-04	-.24651E-05	.84063E-05
7	.62028E-03	.22401E-03	-.12652E-03	-.44121E-05	-.11507E-04	.18621E-05
8	.71233E-05	.12592E-04	.55099E-05	-.24133E-06	-.11674E-06	.91403E-07
9	-.17873E-02	-.13642E-02	-.95301E-04	.83601E-05	-.37071E-05	.34995E-05
10	.23193E-03	.28995E-04	-.19209E-04	-.15367E-05	-.85072E-06	.11604E-05
11	.13518E-04	-.22603E-04	.56676E-05	.50171E-06	-.31086E-07	-.50692E-06
12	-.10005E-03	-.56535E-04	-.13111E-03	.16261E-05	.93971E-06	-.10534E-05
13	-.77768E-04	.16622E-03	-.12437E-03	-.74781E-06	.10774E-05	-.23472E-06
14	.95574E-04	-.10866E-04	.94983E-04	-.94563E-06	.20561E-06	.83058E-06
15	-.47445E-04	-.61071E-05	-.56148E-04	.73187E-06	-.72098E-06	-.59645E-06
16	.98849E-10	-.79071E-08	.17507E-08	.46823E-10	.35937E-11	-.27514E-10
17	-.24633E-05	.20998E-05	.17819E-04	-.16322E-06	.93558E-06	.15209E-06
18	-.36318E-05	.34985E-05	-.74856E-06	-.37549E-07	.19137E-06	.43688E-07
19	.14406E-05	-.10941E-05	.50400E-06	.10187E-07	-.68201E-07	-.62717E-08
20	.12495E-04	-.68432E-04	.15626E-04	-.51355E-06	.29371E-06	.15631E-06
21	.45240E-05	.21601E-04	.41751E-05	.51479E-07	-.75507E-07	.93961E-07
22	.29591E-06	-.11107E-05	-.14074E-06	.16913E-07	-.32013E-07	-.45990E-07
23	-.33226E-04	.36050E-05	-.30558E-04	-.80083E-07	.36643E-06	.17824E-06
24	-.55270E-07	.74635E-06	.84635E-07	-.12402E-07	.20571E-08	-.12447E-07
25	.93467E-06	.34194E-05	-.45112E-05	-.60945E-08	.13880E-07	.29798E-07
26	-.94261E-05	.90720E-05	-.01238E-05	.14030E-06	-.14014E-06	.41571E-07
27	.27032E-06	-.59202E-05	-.10699E-04	.55290E-07	-.77853E-07	-.17054E-06
28	.54178E-05	.32496E-05	.12922E-04	.32256E-06	-.14451E-06	-.17815E-06
29	-.49348E-05	.20737E-05	-.22540E-06	-.97516E-07	.83440E-08	.85925E-07
30	.21744E-06	.92794E-06	.29888E-06	-.24085E-07	-.17919E-09	-.33838E-07
31	.18087E-06	-.79274E-08	.14593E-06	.41795E-08	.60118E-08	-.17382E-08

MAXIMUM VALUE  
ABSOLUTE SUM  
SORT, SUM OF SG  
CLSLY SP MODES

17 17

1	-.22018E-04	.10222E-03	.56931E-04	-.17834E-05	-.11489E-06	.96033E-06
2	.19801E-03	-.15220E-03	-.45662E-03	.82163E-05	-.19837E-05	.22859E-06
3	.91141E-03	-.17743E-02	.10853E-02	.17334E-04	-.37364E-05	-.49140E-05
4	.14899E-02	.15052E-02	-.65748E-03	-.73675E-05	-.70710E-06	-.82495E-06
5	-.46854E-02	.13454E-02	-.82382E-02	-.99977E-05	-.14653E-04	.21269E-05
6	.40901E-03	-.28124E-02	-.10508E-02	.92521E-05	-.11678E-05	.31153E-05
7	.24227E-03	.28902E-03	-.01882E-03	-.45972E-05	-.90450E-05	.24655E-05
8	.31013E-05	.17070E-04	.31715E-06	-.22646E-06	-.10321E-06	.96174E-07
9	-.18809E-02	-.17192E-02	-.22845E-03	.60423E-05	-.13387E-05	-.74350E-05
10	.18751E-03	.27941E-04	-.89242E-04	-.15790E-05	-.15245E-05	.12609E-05
11	.11525E-04	-.46987E-06	.32119E-05	.24341E-06	-.72518E-07	-.84071E-06
12	-.52083E-04	-.64729E-04	-.64272E-04	.18062E-05	.16433E-05	-.12170E-05
13	-.25667E-04	.19514E-03	-.55764E-04	-.40912E-06	.17135E-05	.29874E-06
14	.86680E-04	-.11341E-04	.82030E-04	-.11331E-05	-.78780E-06	.75990E-06
15	-.58188E-04	.76585E-05	.76252E-04	.81637E-06	.26541E-07	-.62393E-06
16	-.32282E-10	.71954E-08	.14285E-06	.21415E-10	-.14933E-10	-.64864E-10
17	.27992E-04	.11618E-05	.57439E-04	-.22593E-06	.47843E-06	.18379E-06
18	.33644E-05	.22469E-05	.83147E-05	-.25511E-07	.14128E-06	.58477E-07
19	-.10945E-05	-.85986E-06	-.27799E-05	.58061E-08	-.52540E-07	-.14880E-07
20	.19637E-04	-.42156E-04	.25776E-04	-.92622E-06	.33470E-07	-.17583E-06
21	.85709E-06	.10624E-04	-.77966E-06	.15211E-06	-.10021E-06	.19115E-06
22	-.82695E-06	-.18059E-05	-.15099E-05	.23543E-08	-.18248E-07	-.61773E-07
23	-.11911E-04	-.15654E-05	-.18275E-05	-.11747E-06	.67407E-06	.16783E-06
24	.17128E-07	.13543E-05	.21948E-06	-.14414E-08	.17380E-08	.35230E-08
25	.18925E-05	.11255E-05	-.44603E-05	.12537E-07	.14255E-07	.51392E-07
26	-.12059E-04	-.96051E-06	-.91772E-05	.19629E-06	.67434E-07	.57771E-07
27	-.78171E-06	.15383E-05	-.13104E-04	.53473E-07	.49859E-07	-.17269E-06
28	-.26934E-05	-.19303E-05	.34839E-05	.37097E-06	-.20480E-06	-.18307E-06
29	-.38805E-05	.10064E-05	.22615E-05	-.97537E-07	.61164E-07	.10412E-06
30	.12740E-06	.26085E-05	.44042E-07	.34485E-08	-.75010E-08	-.47898E-08
31	.33874E-06	-.79864E-07	.31624E-06	.42683E-08	-.19348E-08	-.27108E-08



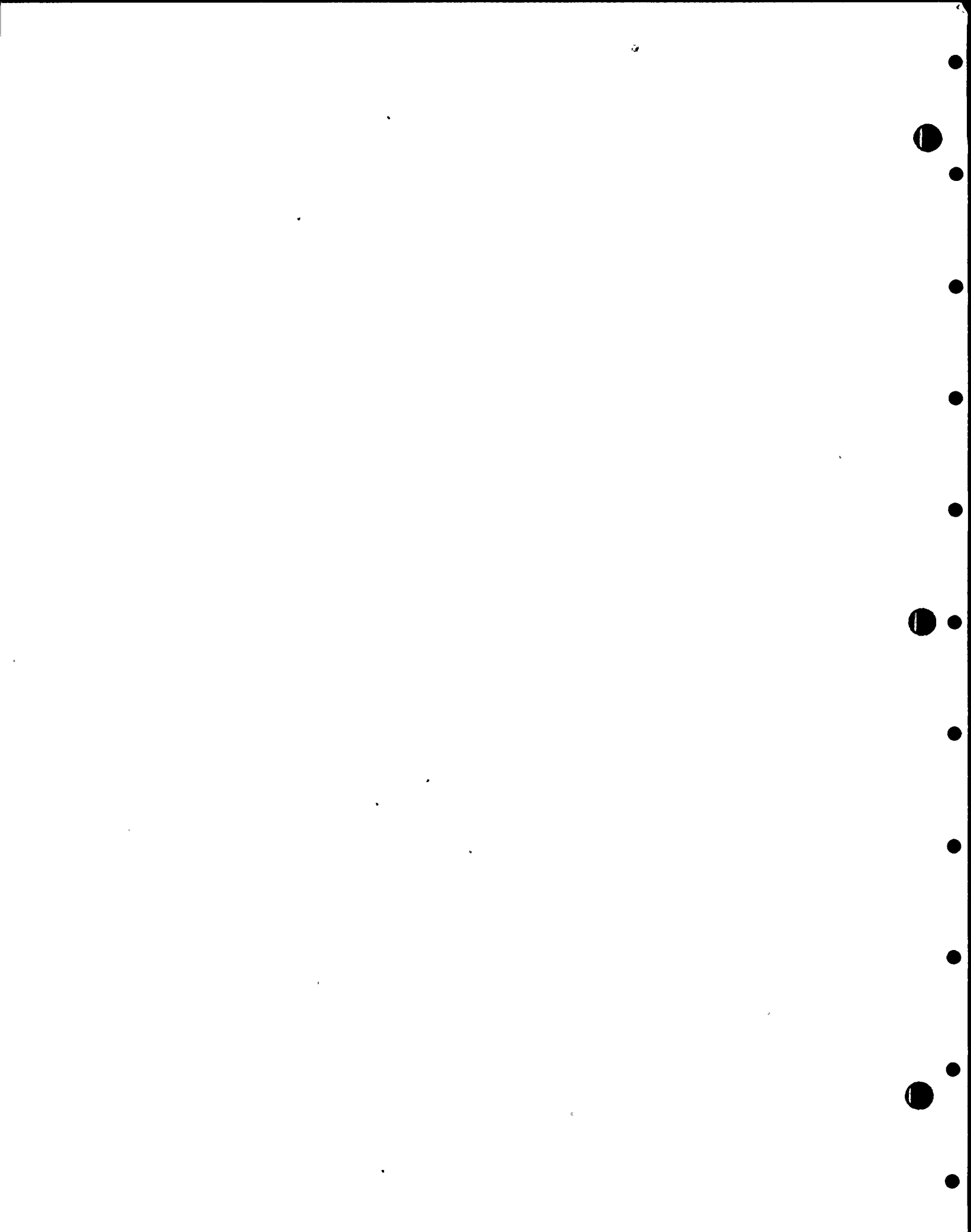
21	.009E-06	.10000E-04	.77000E-06	.15211E-06	.10021E-06	.19115E-06
22	.82095E-06	.18059E-05	.15099E-05	.23543E-08	.18848E-07	.61773E-07
23	.11911E-04	.15054E-05	.18275E-05	.11747E-06	.67407E-06	.16783E-06
24	.17128E-07	.13543E-05	.21948E-06	.14410E-08	.17380E-08	.35236E-08
25	.18925E-05	.11255E-05	.44603E-05	.12537E-07	.18255E-07	.51392E-07
26	.12059E-04	.96051E-06	.91772E-05	.19629E-06	.67434E-07	.57771E-07
27	.78171E-06	.15383E-05	.13109E-04	.53470E-07	.49859E-07	.17269E-06
28	.26930E-05	.19303E-05	.38839E-05	.37890E-06	.20086E-06	.18307E-06
29	.38805E-05	.10064E-05	.22615E-05	.97537E-07	.61164E-07	.10412E-06
30	.12740E-06	.26685E-05	.40842E-07	.34485E-08	.75016E-08	.47898E-08
31	.33836E-06	.79864E-07	.31624E-06	.42683E-08	.19348E-08	.27108E-08

	MAXIMUM VALUE	ABSOLUTE SUM	SGRT.SUM OF SC	CLS LY SP MODES
	.46254E-02	.20124E-02	.82382E-02	.19318E-04
	.10352E-01	.10099E-01	.13091E-01	.67593E-04
	.53719E-02	.42723E-02	.84595E-02	.26147E-04
	.67643E-02	.56190E-02	.94208E-02	.34772E-04
				.14653E-04
				.40558E-04
				.18097E-04
				.19573E-04
				.49140E-05
				.21906E-04
				.71918E-05
				.91902E-05

16	16	1	.26546E-04	.10775E-03	.49282E-04	.15833E-05	.19092E-06	.95703E-06
		2	.15383E-03	.18295E-03	.52159E-03	.56061E-06	.67408E-06	.92360E-07
		3	.99655E-03	.20774E-02	.12220E-02	.19795E-04	.17309E-05	.79406E-05
		4	.10653E-02	.16747E-02	.81645E-03	.57137E-05	.21589E-05	.26293E-05
		5	.48378E-02	.14639E-02	.85106E-02	.89873E-05	.39960E-05	.53810E-05
		6	.39924E-03	.30295E-02	.10679E-02	.51732E-05	.51414E-06	.35667E-05
		7	.53259E-05	.29485E-03	.98832E-03	.46973E-05	.56200E-05	.31465E-05
		8	.10782E-06	.18594E-04	.43241E-05	.19965E-06	.80475E-07	.11685E-06
		9	.18680E-02	.16973E-02	.23003E-03	.31273E-05	.10664E-05	.54345E-05
		10	.13262E-03	.13615E-04	.16776E-03	.16563E-05	.17038E-05	.13005E-05
		11	.85527E-05	.41489E-04	.12036E-05	.10287E-06	.91435E-07	.93587E-06
		12	.85360E-05	.60407E-04	.27358E-04	.19115E-05	.19322E-05	.14677E-05
		13	.35004E-04	.16487E-03	.41178E-04	.11689E-06	.19110E-05	.10229E-05
		14	.46164E-04	.79924E-05	.17223E-04	.13322E-05	.15371E-05	.68342E-06
		15	.43019E-04	.28542E-05	.51991E-04	.91211E-06	.79337E-06	.63428E-06
		16	.70192E-09	.31315E-08	.18432E-09	.72297E-13	.26753E-10	.92189E-10
		17	.37664E-04	.51196E-06	.84293E-04	.29535E-06	.19352E-06	.20588E-06
		18	.61499E-05	.38886E-06	.12546E-04	.19303E-07	.19291E-07	.63154E-07
		19	.21886E-05	.58372E-07	.44459E-05	.29077E-08	.10110E-07	.18624E-07
		20	.14905E-04	.10091E-04	.18723E-04	.12143E-05	.25020E-06	.28742E-06
		21	.24321E-05	.68119E-05	.60868E-05	.19587E-06	.77338E-07	.19589E-06
		22	.10333E-05	.16325E-05	.19606E-05	.18261E-09	.55612E-08	.58101E-07
		23	.11242E-04	.46323E-05	.35009E-04	.17183E-06	.54537E-06	.12527E-06
		24	.27837E-07	.50902E-06	.27403E-06	.86683E-08	.57605E-10	.16052E-07
		25	.29192E-05	.23240E-05	.38727E-05	.12812E-07	.13812E-07	.44864E-07
		26	.56493E-05	.95016E-05	.84793E-06	.19043E-06	.21546E-06	.12724E-07
		27	.39581E-05	.70169E-05	.61985E-05	.98103E-07	.15749E-06	.11218E-06
		28	.93082E-05	.44813E-05	.53057E-05	.40903E-06	.11337E-06	.22267E-06
		29	.18017E-05	.13764E-05	.62859E-05	.11135E-06	.54439E-07	.10084E-06
		30	.13548E-06	.75102E-06	.52086E-06	.28521E-07	.84955E-08	.28456E-07
		31	.10552E-06	.33054E-07	.75999E-07	.42243E-08	.78991E-08	.36712E-08

	MAXIMUM VALUE	ABSOLUTE SUM	SGRT.SUM OF SC	CLS LY SP MODES
	.48378E-02	.30295E-02	.85100E-02	.19795E-04
	.10121E-01	.10889E-01	.13883E-01	.58615E-04
	.54993E-02	.46355E-02	.67786E-02	.24033E-04
	.68810E-02	.59360E-02	.97510E-02	.30991E-04
				.56200E-05
				.25674E-04
				.64198E-05
				.10522E-04
				.79406E-05
				.36605E-04
				.12606E-04
				.16183E-04

15	15	1	.32533E-04	.98158E-04	.37187E-04	.13792E-05	.26541E-06	.95720E-06
		2	.15146E-03	.19114E-03	.52061E-03	.97452E-07	.62733E-06	.16782E-06
		3	.10145E-02	.21223E-02	.12596E-02	.19999E-04	.37614E-06	.11311E-04
		4	.13716E-02	.15715E-02	.03409E-03	.36625E-05	.86260E-05	.65616E-05
		5	.14622E-02	.13233E-02	.78254E-02	.76964E-05	.22990E-04	.89419E-05
		6	.63698E-03	.27532E-02	.99732E-03	.85150E-06	.22533E-05	.10263E-04
		7	.97612E-04	.24378E-03	.11817E-02	.48405E-05	.15764E-05	.37303E-05
		8	.17288E-05	.16912E-04	.77657E-05	.16827E-06	.48613E-07	.14296E-06
		9	.18075E-02	.13517E-02	.12991E-03	.55705E-06	.28043E-05	.92671E-05
		10	.88754E-04	.71806E-05	.25309E-03	.17937E-05	.12617E-05	.12413E-05
		11	.59417E-05	.85847E-04	.59014E-05	.18557E-06	.77451E-07	.78309E-06
		12	.60624E-04	.31224E-04	.12743E-03	.20274E-05	.16244E-05	.16928E-05
		13	.84924E-04	.84800E-04	.13816E-03	.58641E-06	.15133E-05	.16069E-05
		14	.11775E-05	.30296E-05	.74634E-04	.15253E-05	.16914E-05	.62564E-06
		15	.13518E-04	.36840E-05	.50025E-05	.16326E-05	.12348E-05	.60499E-06
		16	.14060E-08	.21280E-08	.13834E-08	.39521E-11	.23011E-10	.88115E-10
		17	.18595E-04	.25783E-05	.36703E-04	.37400E-06	.03509E-06	.21340E-06
		18	.49204E-05	.30097E-05	.99986E-05	.24773E-07	.12618E-06	.47789E-07
		19	.18385E-05	.85312E-06	.37065E-05	.38258E-08	.42676E-07	.15702E-07
		20	.50172E-05	.57311E-04	.60780E-06	.12537E-05	.38555E-06	.32038E-07
		21	.36608E-05	.20315E-04	.85157E-05	.14769E-06	.13817E-07	.44336E-07
		22	.57531E-06	.40464E-05	.99357E-06	.16405E-07	.27966E-07	.23545E-07
		23	.20340E-04	.42569E-05	.52823E-04	.24092E-06	.12750E-06	.61167E-07





13	-.8799E-04	-.3027E-05	-.1381E-03	-.5864E-05	-.1513E-05	-.1609E-05
14	-.1175E-05	-.3027E-05	-.7463E-04	-.1525E-05	-.1691E-05	-.6256E-06
15	-.1351E-04	-.3084E-05	-.5002E-05	-.1032E-05	-.1234E-05	-.6049E-06
16	-.1406E-08	-.2128E-08	-.1383E-08	-.3952E-01	-.2301E-10	-.8811E-10
17	-.1859E-04	-.2578E-05	-.3670E-04	-.3740E-06	-.8350E-06	-.2134E-06
18	-.4920E-05	-.3009E-05	-.9998E-05	-.2477E-07	-.1261E-06	-.4778E-07
19	-.1838E-05	-.8531E-06	-.3706E-05	-.3825E-08	-.4267E-07	-.1570E-07
20	-.5017E-05	-.5731E-04	-.6078E-06	-.1253E-05	-.3859E-06	-.3203E-07
21	-.3660E-05	-.2031E-04	-.8515E-05	-.1476E-06	-.1381E-07	-.4433E-07
22	-.5753E-06	-.4046E-05	-.9935E-06	-.1640E-07	-.2796E-07	-.2354E-07
23	-.2038E-04	-.4256E-05	-.5282E-04	-.2409E-06	-.1275E-06	-.6116E-07
24	-.1101E-07	-.7652E-06	-.2430E-06	-.1032E-07	-.2046E-08	-.1353E-07
25	-.3672E-05	-.4137E-05	-.3622E-05	-.1099E-07	-.1074E-07	-.1951E-08
26	-.4415E-06	-.1068E-04	-.1254E-04	-.1352E-06	-.1128E-06	-.1633E-06
27	-.8251E-05	-.7157E-05	-.2506E-05	-.1736E-06	-.1114E-06	-.3298E-08
28	-.1087E-04	-.3164E-05	-.6612E-05	-.4318E-06	-.1064E-06	-.2738E-06
29	-.1131E-05	-.2703E-05	-.8067E-05	-.1467E-06	-.4046E-07	-.6164E-07
30	-.2380E-06	-.1839E-05	-.8866E-06	-.2868E-07	-.2622E-08	-.1353E-07
31	-.9711E-07	-.4536E-07	-.4909E-06	-.4965E-08	-.1810E-08	-.3267E-08

MAXIMUM VALUE	.4462E-02	.2753E-02	.7825E-02	.1999E-04	.2799E-04	.1131E-04
ABSOLUTE SUM	.9706E-02	.1001E-01	.1334E-01	.4940E-04	.4492E-04	.5887E-04
SQRT. SUM OF SQ	.5129E-02	.4272E-02	.8125E-02	.2263E-04	.2404E-04	.2157E-04
CLS LY SP MODES	.6037E-02	.5522E-02	.6941E-02	.2701E-04	.2841E-04	.2866E-04

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1	-.3960E-04	.7483E-04	.2080E-04	-.1173E-05	-.3232E-06	.9538E-06
2	.1772E-03	-.1704E-03	-.4510E-03	-.3649E-06	.1714E-05	-.5211E-06
3	.9797E-03	-.1864E-02	-.1181E-02	.2024E-04	-.2079E-05	-.1432E-04
4	-.1242E-02	.1100E-02	-.3232E-03	-.1500E-05	.6151E-05	.1036E-04
5	-.3712E-02	.8953E-03	-.6051E-02	-.6385E-05	.3875E-04	.1223E-04
6	.5065E-03	-.1985E-02	-.8270E-03	-.3046E-05	.3608E-05	-.1537E-04
7	-.6742E-04	.1379E-03	-.1149E-02	-.5088E-05	.2128E-05	.4043E-05
8	-.2458E-05	.1179E-04	-.9409E-05	-.1382E-06	-.1583E-07	.1622E-06
9	-.1706E-02	-.7841E-03	.5661E-04	-.1229E-05	.3660E-05	-.1103E-04
10	.6827E-04	-.2927E-04	-.3606E-03	-.1978E-05	-.5218E-06	.1090E-05
11	.4340E-05	.1153E-03	-.9236E-05	.2954E-06	-.4343E-07	-.5212E-06
12	.9028E-04	.1924E-04	.1989E-03	.2176E-05	.1010E-05	-.1832E-05
13	.1104E-03	-.3414E-04	.2013E-03	.9390E-06	.6381E-06	.1881E-05
14	-.3731E-04	.7970E-06	-.1621E-03	-.1710E-05	-.1419E-05	.5942E-06
15	.1732E-04	.1041E-04	.7921E-04	.1170E-05	.1340E-05	-.5462E-06
16	-.1680E-08	.6389E-08	-.2322E-08	.4969E-11	-.5435E-11	-.5861E-10
17	-.6778E-05	-.4792E-05	-.2504E-04	-.4561E-06	-.1220E-05	.2167E-06
18	.4204E-06	-.4228E-05	-.1860E-05	-.3476E-07	-.2334E-06	.2e02E-07
19	-.2648E-06	.1416E-05	.1631E-06	.6847E-08	.8264E-07	-.1001E-07
20	-.4846E-05	.6833E-04	-.2184E-04	-.1198E-05	-.3782E-06	.4879E-06
21	-.1930E-05	-.1877E-04	.4533E-05	.6933E-07	.1070E-06	-.1423E-06
22	.2803E-06	.3317E-05	.1093E-05	.3812E-07	.3961E-07	.1634E-07
23	.7002E-05	.7194E-06	.2050E-04	-.3079E-06	-.8078E-06	.1177E-07
24	-.1000E-06	-.1427E-05	.7063E-07	.7460E-08	-.3512E-08	.2780E-08
25	.4253E-05	-.1581E-05	-.3115E-05	-.3770E-07	.8357E-06	-.4527E-07
26	.6892E-06	.1134E-05	.1239E-04	.8860E-07	-.8501E-07	-.2682E-06
27	.1000E-04	-.1154E-05	.5327E-05	.2401E-06	.4534E-08	.6607E-07
28	-.5696E-05	.3261E-05	.7127E-05	.4665E-06	.2649E-06	-.2916E-06
29	-.3928E-05	-.6893E-06	.2065E-05	-.1848E-06	-.1290E-06	.2582E-07
30	.8340E-07	-.2084E-05	-.2649E-06	.1921E-07	.1320E-07	-.1624E-07
31	.1123E-08	.6856E-07	-.2605E-06	.6050E-08	.6780E-08	-.2313E-08

MAXIMUM VALUE	.3712E-02	.1985E-02	.6065E-02	.2024E-04	.3875E-04	.1537E-04
ABSOLUTE SUM	.8827E-02	.7360E-02	.1114E-01	.5059E-04	.6700E-04	.7711E-04
SQRT. SUM OF SQ	.4418E-02	.3192E-02	.6379E-02	.2251E-04	.3483E-04	.2911E-04
CLS LY SP MODES	.5594E-02	.4140E-02	.6844E-02	.2503E-04	.4590E-04	.3921E-04

13 13

1	-.4483E-04	.4057E-04	.1397E-05	-.9692E-06	-.3489E-06	.9398E-06
2	.2128E-03	-.1197E-03	-.3298E-03	-.8644E-06	.2374E-05	-.9362E-06
3	.9304E-03	-.1355E-02	.1031E-02	.2080E-04	-.2893E-05	-.1626E-04
4	-.1126E-02	.4925E-03	.4229E-04	.5041E-06	.6240E-05	.1343E-04
5	-.2903E-02	.2334E-03	-.3566E-02	-.5297E-05	.4777E-04	.1467E-04
6	.5774E-03	-.9446E-03	-.5903E-03	-.5966E-05	.4098E-05	-.1730E-04
7	-.2560E-04	.2285E-05	-.9435E-03	-.5499E-05	.4516E-05	.3910E-05
8	-.2515E-05	.4645E-05	-.9456E-05	-.1146E-06	.9539E-08	.1624E-06
9	-.1623E-02	-.9255E-04	.2605E-03	-.1834E-05	.3566E-05	-.9509E-05
10	.6475E-04	-.4816E-04	-.3094E-03	-.2200E-05	.1655E-06	.8570E-06
11	.3726E-05	.1314E-03	-.1050E-04	.4010E-06	-.3763E-08	-.2916E-06
12	.1026E-03	.8346E-04	.2380E-03	.2378E-05	.3829E-06	-.1824E-05
13	.1189E-03	-.1590E-03	.2302E-03	.1120E-05	.2025E-06	.1675E-05
14	-.5881E-04	-.2556E-06	-.2334E-03	-.1864E-05	-.9027E-06	.5967E-06
15	.4048E-04	.1711E-04	.1522E-03	.1318E-05	.1109E-05	-.4684E-06



5	-.2137E-02	-.2313E-03	-.3566E-02	-.5297E-05	-.47779E-04	-.14673E-01
6	-.57747E-03	-.94409E-03	-.59930E-03	-.59063E-05	-.40982E-03	-.17300E-04
7	-.25608E-04	-.22850E-05	-.44352E-03	-.54997E-05	-.45167E-05	-.39103E-05
8	-.25192E-05	-.40455E-05	-.94506E-05	-.1146E-06	-.95394E-08	-.16243E-06
9	-.16235E-02	-.92556E-04	-.26052E-03	-.1034E-05	-.35660E-05	-.95091E-05
10	-.64750E-04	-.48162E-04	-.30943E-03	-.22006E-05	-.16555E-06	-.85707E-06
11	-.37267E-05	-.10505E-03	-.10505E-04	-.40104E-06	-.37638E-08	-.29169E-06
12	-.10265E-03	-.63497E-04	-.23805E-03	-.23762E-05	-.38293E-06	-.18245E-05
13	-.11894E-03	-.15909E-03	-.23029E-03	-.11203E-05	-.20252E-06	-.16753E-05
14	-.58810E-04	-.25546E-06	-.23045E-03	-.16647E-05	-.90270E-06	-.59670E-06
15	-.40489E-04	-.17116E-04	-.15223E-03	-.13182E-05	-.11091E-05	-.46843E-06
16	-.14772E-08	-.83607E-08	-.20260E-08	-.22064E-10	-.24381E-10	-.98262E-11
17	-.29530E-04	-.83226E-05	-.97628E-04	-.53653E-06	-.11480E-05	-.22673E-06
18	-.41410E-05	-.44902E-05	-.15728E-04	-.42628E-07	-.24125E-06	-.11754E-07
19	-.13645E-05	-.10969E-05	-.54032E-05	-.87877E-08	-.86792E-07	-.55243E-08
20	-.11297E-04	-.51533E-04	-.40505E-04	-.11922E-05	-.23536E-06	-.78086E-06
21	-.56894E-06	-.75073E-05	-.31897E-05	-.18634E-07	-.14210E-06	-.24113E-06
22	-.08965E-06	-.74847E-06	-.33027E-05	-.53287E-07	-.31900E-07	-.35549E-07
23	-.10919E-04	-.66594E-05	-.36093E-04	-.35742E-06	-.96056E-06	-.13913E-07
24	-.17158E-06	-.13675E-05	-.10207E-06	-.38049E-08	-.21478E-08	-.92464E-08
25	-.06078E-05	-.22964E-05	-.29433E-05	-.47589E-07	-.51390E-08	-.40432E-07
26	-.20179E-05	-.15146E-04	-.28899E-05	-.10461E-06	-.21603E-06	-.19930E-06
27	-.92361E-05	-.95710E-05	-.27488E-05	-.26027E-06	-.76198E-07	-.67910E-08
28	-.97424E-06	-.10271E-04	-.22635E-04	-.53087E-06	-.17623E-06	-.23087E-06
29	-.66152E-05	-.17825E-05	-.60034E-05	-.20777E-06	-.11025E-06	-.33242E-07
30	-.40824E-06	-.83015E-06	-.51454E-06	-.14436E-07	-.10403E-07	-.31351E-07
31	-.16689E-06	-.59159E-07	-.25283E-06	-.70644E-08	-.81178E-08	-.16397E-08

MAXIMUM VALUE	-.24037E-02	-.13550E-02	-.35663E-02	-.20808E-04	-.47779E-04	-.17300E-04
ABSOLUTE SUM	-.79195E-02	-.38076E-02	-.81953E-02	-.54488E-04	-.76049E-04	-.84721E-04
SORT SUM OF SC	-.36902E-02	-.17023E-02	-.39377E-02	-.23172E-04	-.48894E-04	-.32798E-04
CLS LY SP MODES	-.47241E-02	-.21769E-02	-.41441E-02	-.25563E-04	-.55328E-04	-.45334E-04

12	1	-.45145E-04	-.37635E-04	-.61141E-07	-.95479E-06	-.34927E-06	-.93858E-06
	2	-.21501E-03	-.11508E-03	-.31961E-03	-.90180E-06	-.24029E-05	-.96838E-06
	3	-.92739E-03	-.13071E-02	-.10196E-02	-.20860E-04	-.29183E-05	-.16365E-04
	4	-.11199E-02	-.63624E-03	-.98545E-04	-.64386E-06	-.61922E-05	-.13629E-04
	5	-.28561E-02	-.17786E-03	-.33664E-02	-.52263E-05	-.48180E-04	-.14814E-04
	6	-.52138E-03	-.86591E-03	-.58179E-03	-.60742E-05	-.40984E-05	-.17313E-04
	7	-.21193E-04	-.87336E-05	-.92336E-03	-.55352E-05	-.46317E-05	-.38835E-05
	8	-.25097E-05	-.40758E-05	-.94020E-05	-.11323E-06	-.10999E-07	-.16171E-06
	9	-.16188E-02	-.50171E-04	-.27457E-03	-.18323E-05	-.35409E-05	-.92745E-05
	10	-.64940E-04	-.69546E-04	-.30825E-03	-.22177E-05	-.21050E-06	-.83734E-06
	11	-.37129E-05	-.13202E-03	-.10493E-04	-.40845E-06	-.97715E-09	-.27717E-06
	12	-.10290E-03	-.68063E-04	-.23617E-03	-.23945E-05	-.33914E-06	-.18186E-05
	13	-.11896E-03	-.16701E-03	-.23068E-03	-.11270E-05	-.15951E-06	-.16432E-05
	14	-.59566E-04	-.89213E-06	-.23375E-03	-.18963E-05	-.85813E-06	-.59818E-06
	15	-.41487E-04	-.17743E-04	-.15653E-03	-.13292E-05	-.10813E-05	-.44624E-06
	16	-.10472E-08	-.83622E-08	-.19301E-08	-.23605E-10	-.27060E-10	-.56830E-11
	17	-.30583E-04	-.87096E-05	-.10224E-03	-.54213E-06	-.11270E-05	-.22775E-06
	18	-.43643E-05	-.44751E-05	-.16715E-04	-.43105E-07	-.23817E-06	-.11082E-07
	19	-.10451E-05	-.17056E-05	-.57594E-05	-.69421E-08	-.85772E-07	-.52783E-08
	20	-.11524E-04	-.49119E-04	-.41323E-04	-.11933E-05	-.22121E-06	-.79465E-06
	21	-.71176E-06	-.64369E-05	-.37886E-05	-.15983E-07	-.14249E-06	-.24467E-06
	22	-.10176E-05	-.53370E-06	-.34336E-05	-.54147E-07	-.30670E-07	-.36170E-07
	23	-.11844E-04	-.69279E-05	-.40085E-04	-.36041E-06	-.95229E-06	-.15856E-07
	24	-.17444E-06	-.13226E-05	-.11011E-06	-.35147E-08	-.20016E-08	-.10116E-07
	25	-.46883E-05	-.25173E-05	-.29259E-05	-.47691E-07	-.51757E-08	-.38326E-07
	26	-.22180E-05	-.15822E-04	-.19149E-05	-.10802E-06	-.22245E-06	-.18822E-06
	27	-.91304E-05	-.98260E-05	-.25636E-05	-.26005E-06	-.83099E-07	-.20244E-08
	28	-.83233E-06	-.10642E-04	-.23273E-04	-.53651E-06	-.16327E-06	-.22390E-06
	29	-.67118E-05	-.18488E-05	-.64254E-05	-.20687E-06	-.10527E-06	-.35345E-07
	30	-.42160E-06	-.69423E-06	-.55315E-06	-.14261E-07	-.97907E-08	-.31820E-07
	31	-.17459E-06	-.58062E-07	-.28616E-06	-.71341E-08	-.79547E-08	-.16051E-08

MAXIMUM VALUE	-.28561E-02	-.13070E-02	-.33664E-02	-.20861E-04	-.48180E-04	-.17313E-04
ABSOLUTE SUM	-.78648E-02	-.35792E-02	-.79931E-02	-.54923E-04	-.78370E-04	-.84852E-04
SORT SUM OF SC	-.36489E-02	-.17475E-02	-.37475E-02	-.23563E-04	-.49288E-04	-.32923E-04
CLS LY SP MODES	-.46741E-02	-.20335E-02	-.39836E-02	-.25837E-04	-.55688E-04	-.45612E-04

11	1	-.12704E-04	-.44055E-05	-.50502E-05	-.25643E-06	-.68155E-06	-.86922E-06
	2	-.10306E-03	-.16841E-04	-.80597E-04	-.15237E-05	-.35288E-05	-.25219E-05
	3	-.10754E-03	-.71296E-03	-.89605E-04	-.21366E-04	-.24035E-05	-.13007E-04
	4	-.17983E-03	-.64228E-03	-.36632E-03	-.20222E-04	-.61474E-05	-.32816E-04
	5	-.16919E-02	-.56681E-03	-.74721E-03	-.11063E-04	-.53848E-04	-.12200E-04
	6	-.25599E-03	-.15635E-03	-.67716E-04	-.63702E-05	-.47428E-05	-.40447E-05
	7	-.08967E-04	-.36982E-04	-.31649E-03	-.19175E-05	-.69825E-05	-.24014E-06



ABSOLUTE SUM	7048E-02	3570E-02	7093E-02	5492E-02	78370E-02	88852E-02
SORT, SUM OF SC	36489E-02	16602E-02	37475E-02	23563E-04	49288E-04	32923E-04
CLSLY SP MODES	46741E-02	20335E-02	39836E-02	2583E-04	55688E-04	45612E-04
1	12704E-04	44055E-05	50502E-05	2564E-06	68155E-06	46922E-06
2	10306E-03	16841E-04	80597E-04	15237E-05	35288E-05	25218E-05
3	10754E-03	71296E-03	89605E-04	21365E-04	24035E-05	13007E-04
4	17983E-03	64226E-03	36632E-03	20222E-04	61474E-05	32816E-04
5	16916E-02	56681E-03	74721E-03	11063E-04	53848E-04	12200E-04
6	25599E-03	15634E-03	67714E-04	63702E-05	47428E-05	40447E-05
7	98947E-04	36462E-04	31049E-03	19176E-05	69825E-05	24014E-06
8	69812E-06	3165E-06	37283E-05	56819E-08	12349E-07	88040E-08
9	10901E-02	21722E-03	32888E-03	38177E-06	32554E-05	93444E-05
10	60227E-04	18565E-04	11675E-03	13715E-05	16045E-05	32434E-06
11	10565E-04	12003E-03	36103E-04	78781E-06	52926E-08	32479E-08
12	37248E-04	12520E-03	64646E-04	18925E-05	11999E-05	56579E-06
13	80645E-04	18483E-03	14161E-03	38746E-06	12053E-05	66113E-06
14	26015E-04	62733E-05	11037E-03	11065E-05	74428E-06	30692E-06
15	45306E-04	81248E-05	95649E-04	80597E-06	23624E-06	31126E-06
16	13253E-07	46412E-09	36189E-08	46794E-12	26567E-09	33544E-09
17	17259E-04	15005E-04	83503E-04	40714E-06	10727E-06	31288E-06
18	36205E-05	44950E-05	18924E-04	19353E-07	76231E-07	62539E-07
19	12350E-05	17950E-05	69717E-05	31781E-08	30471E-07	21285E-07
20	14268E-04	22066E-04	25688E-04	98754E-06	16552E-06	12289E-06
21	59161E-05	61936E-05	11658E-04	31664E-08	18249E-06	60627E-08
22	19511E-05	20233E-05	45254E-06	50948E-07	29676E-07	78512E-08
23	14208E-04	85774E-05	41923E-04	52739E-06	39027E-06	66694E-07
24	15096E-05	22449E-06	38068E-06	27895E-08	98883E-08	59577E-08
25	87408E-05	40113E-06	21013E-05	14654E-07	14898E-07	41350E-07
26	84221E-05	36455E-05	26639E-04	22869E-07	39293E-06	18499E-06
27	11799E-04	29432E-05	12445E-04	20709E-07	13808E-06	21837E-06
28	30535E-05	38873E-05	19703E-04	21573E-06	32031E-06	27680E-08
29	78139E-06	13374E-05	50125E-05	69830E-07	52417E-07	10292E-06
30	18928E-06	30779E-06	81510E-06	81827E-08	12286E-07	20520E-07
31	83609E-07	32300E-07	49631E-08	45671E-08	13355E-08	33913E-08

MAXIMUM VALUE	16919E-02	71296E-03	74721E-03	21366E-04	53848E-04	32816E-04
ABSOLUTE SUM	38939E-02	28899E-02	28210E-02	71815E-04	88722E-04	78067E-04
SORT, SUM OF SC	20485E-02	11752E-02	99397E-03	32314E-04	55186E-04	38814E-04
CLSLY SP MODES	22147E-02	17658E-02	12982E-02	48653E-04	61720E-04	56249E-04

10 10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	11237E-04	44036E-05	57721E-05	25197E-06	67918E-06	46217E-06																									
	90896E-04	16838E-04	75554E-04	15047E-05	35177E-05	24938E-05																									
	67694E-04	71276E-03	15621E-03	21365E-04	25479E-05	12918E-04																									
	27909E-03	64236E-03	42652E-03	20343E-04	62738E-05	32844E-04																									
	17218E-02	56688E-03	77793E-03	11325E-04	53759E-04	12738E-04																									
	26795E-03	15594E-03	47219E-04	63583E-05	46687E-05	42352E-05																									
	99125E-04	37023E-04	30332E-03	18217E-05	69478E-05	24422E-06																									
	66195E-06	12916E-06	12916E-06	40001E-06	12467E-07	96362E-08																									
	10560E-02	21686E-03	32860E-03	45497E-06	32363E-05	91670E-05																									
	58955E-04	18557E-04	11227E-03	13375E-05	15977E-05	31492E-06																									
	10485E-04	11997E-03	38606E-04	79123E-06	46674E-08	52636E-08																									
	35389E-04	12516E-03	58544E-04	18672E-05	11949E-05	55285E-06																									
	78226E-04	18479E-03	14230E-03	41511E-06	11983E-05	65062E-06																									
	24836E-04	62678E-05	10654E-03	10783E-05	74113E-06	34201E-06																									
	46135E-04	81144E-05	92800E-04	78653E-06	20176E-06	31576E-06																									
	14264E-07	46672E-09	36017E-08	41263E-12	26849E-09	33517E-09																									
	16206E-04	14991E-04	31949E-04	39613E-06	10492E-06	30965E-06																									
	34056E-05	44884E-05	18803E-04	17754E-07	75385E-07	62327E-07																									
	11618E-05	17926E-05	69397E-05	26613E-08	30159E-07	21213E-07																									
	13764E-04	21992E-04	26722E-04	97892E-06	16223E-06	13080E-06																									
	58538E-05	61958E-05	11631E-04	30863E-08	18222E-06	85619E-08																									
	19158E-05	20244E-05	61309E-06	50315E-07	29649E-07	82246E-08																									
	13884E-04	85648E-05	40093E-04	52451E-06	38735E-06	86458E-07																									
	15219E-05	22676E-06	38822E-06	26807E-08	99599E-08	54913E-08																									
	68516E-05	40103E-06	20492E-05	14183E-07	15559E-07	39710E-07																									
	89964E-05	36267E-05	25873E-04	28403E-07	39200E-06	18040E-06																									
	12474E-04	29476E-05	12732E-04	23584E-07	13560E-06	21252E-06																									
	30456E-05	38592E-05	20329E-04	20552E-05	31834E-06	25770E-08																									
	11190E-05	13352E-05	52205E-05	66802E-07	51575E-07	10112E-06																									
	26258E-06	31086E-06	63954E-06	77851E-08	12361E-07	20601E-07																									
	71741E-07	32020E-07	10852E-07	40675E-08	13465E-08	33829E-08																									

MAXIMUM VALUE	17218E-02	71276E-03	77793E-03	21365E-04	53759E-04	32844E-04
ABSOLUTE SUM	39450E-02	28888E-02	29305E-02	72034E-04	88530E-04	78487E-04
SORT, SUM OF SC	20458E-02	11750E-02	10429E-02	32469E-04	55098E-04	38956E-04
CLSLY SP MODES	23084E-02	17656E-02	13972E-02	49135E-04	61731E-04	56622E-04



26	.8044E-05	.3677E-05	-.2587E-04	-.2840E-07	-.3920E-06	.18040E-01
27	-.12374E-04	.29476E-05	-.12737E-04	-.23584E-07	-.13560E-06	.21252E-08
28	.30456E-05	.38592E-05	-.20329E-04	.20551E-06	-.31834E-06	.25770E-08
29	.11190E-05	-.13352E-05	.52205E-05	-.6681E-07	.51575E-07	.10112E-06
30	.26258E-06	.31086E-06	-.83954E-06	.77851E-08	-.12361E-07	.20601E-07
31	.71741E-07	.32026E-07	-.10052E-06	.44675E-08	.13465E-08	-.33829E-08

MAXIMUM VALUE	.17218E-02	.71276E-03	.77793E-03	.21365E-04	.53759E-04	.32844E-04
ABSOLUTE SUM	.39450E-02	.28886E-02	.29305E-02	.72031E-04	.68530E-04	.78487E-04
SORT. SUM OF SC	.20058E-02	.11750E-02	.10429E-02	.32463E-04	.55098E-04	.38956E-04
CLSLY SP MODES	.23086E-02	.17656E-02	.13972E-02	.49133E-04	.61731E-04	.56622E-04

9	9	1	.81416E-05	.43728E-05	.16183E-04	-.18373E-06	-.64120E-06	.35013E-06
		2	-.1334E-04	.16798E-04	-.11167E-04	-.11843E-05	.33398E-05	-.20119E-05
		3	-.51942E-03	-.70951E-03	-.11864E-02	.20262E-04	-.16588E-05	-.11099E-04
		4	.18786E-02	-.44357E-03	-.14619E-02	.20813E-04	-.82962E-05	.31433E-04
		5	-.25673E-02	-.56901E-03	-.14363E-02	.13971E-04	.52338E-04	-.18880E-04
		6	.55173E-03	-.14928E-03	.25459E-03	-.58087E-05	.34823E-05	.63751E-05
		7	.11355E-03	-.37671E-04	-.25673E-03	-.53521E-06	.63922E-05	.25271E-06
		8	-.13115E-06	.89444E-07	-.42365E-05	.16691E-07	.14355E-07	-.19757E-07
		9	-.69434E-03	-.21113E-03	.38341E-03	-.12263E-05	.29303E-05	.65731E-05
		10	.48182E-04	-.18432E-04	-.02368E-04	-.86111E-06	.14892E-05	-.20791E-06
		11	.95408E-05	.11897E-03	-.78709E-04	.71569E-06	.53350E-08	-.36762E-07
		12	.14210E-04	.12455E-03	-.21209E-04	.13931E-05	-.11150E-05	.36226E-06
		13	.51863E-04	-.18408E-03	.17552E-03	-.57263E-06	-.10867E-05	-.51382E-06
		14	-.11333E-04	-.61801E-05	-.66743E-04	-.72473E-06	.69066E-06	.24168E-06
		15	.64097E-04	.79477E-05	.03774E-04	.56793E-06	.33014E-06	.25567E-06
		16	.30656E-07	-.50731E-09	.36594E-08	.45717E-11	.31360E-09	.25762E-09
		17	-.26552E-05	-.14771E-04	-.68495E-04	-.34303E-06	-.67270E-07	.24586E-06
		18	-.50050E-06	-.43834E-05	-.18932E-04	-.31745E-07	-.61849E-07	.54429E-07
		19	.17352E-06	.17541E-05	.71481E-05	.95282E-08	.25169E-07	-.18517E-07
		20	.45538E-05	.20802E-04	.73734E-04	-.03010E-06	.10953E-06	-.21585E-06
		21	-.45199E-05	.63879E-05	.11987E-04	.25169E-07	.17478E-06	.46037E-07
		22	.13970E-05	-.20463E-05	-.28384E-05	.30953E-07	-.29214E-07	-.14810E-07
		23	-.10056E-04	.83612E-05	-.16367E-04	-.47961E-06	-.34061E-06	.10347E-06
		24	-.16376E-05	.25567E-06	.48525E-06	.37869E-09	.11105E-07	.54915E-08
		25	.10376E-04	.39942E-06	-.13465E-05	-.18661E-07	-.26130E-07	-.19791E-07
		26	.16286E-04	.33267E-05	-.22891E-04	-.17242E-06	-.37807E-06	.45621E-07
		27	-.20946E-04	.30085E-05	-.10731E-04	-.94013E-07	-.96038E-07	-.39684E-07
		28	-.30951E-05	.34895E-05	-.26414E-04	-.48414E-07	-.28602E-06	.13762E-07
		29	.54381E-05	-.13060E-05	.74467E-05	.82360E-08	.38114E-07	.43795E-07
		30	.13354E-05	.35989E-06	-.10899E-05	-.28456E-08	-.13571E-07	.12100E-07
		31	-.91623E-07	.27538E-07	-.19218E-06	.17485E-08	.15223E-08	-.23244E-08

MAXIMUM VALUE	.25673E-02	.70951E-03	.14619E-02	.20813E-04	.52338E-04	.31433E-04
ABSOLUTE SUM	.64286E-02	.28713E-02	.57399E-02	.70759E-04	.85471E-04	.79494E-04
SORT. SUM OF SC	.33446E-02	.11726E-02	.24388E-02	.32888E-04	.53755E-04	.39452E-04
CLSLY SP MODES	.47883E-02	.17034E-02	.37121E-02	.50187E-04	.61912E-04	.58695E-04

8	8	1	-.22320E-04	.43412E-05	.23389E-04	-.11927E-06	-.60323E-06	.24595E-06
		2	-.98303E-04	.16751E-04	.38102E-04	-.87339E-06	.31619E-05	-.15222E-05
		3	-.10021E-02	-.70572E-03	-.21129E-02	.17228E-04	-.76973E-06	-.86661E-05
		4	.33197E-02	-.64418E-03	-.24440E-02	.18516E-04	-.10319E-04	.26744E-04
		5	-.35693E-02	-.56857E-03	-.21419E-02	.13728E-04	.50918E-04	-.20031E-04
		6	.09174E-03	-.14243E-03	.51396E-03	-.46682E-05	.22960E-05	.68227E-05
		7	.12423E-03	-.38259E-04	-.25588E-03	.18909E-06	.58365E-05	.14089E-06
		8	-.12740E-05	.49573E-07	-.54063E-05	.25251E-07	.16243E-07	-.24275E-07
		9	-.43005E-03	-.20498E-03	.45166E-03	-.12397E-05	.26243E-05	.47043E-05
		10	.39524E-04	-.18239E-04	-.30537E-04	-.51913E-06	.13806E-05	-.17619E-06
		11	.64258E-05	.11750E-03	-.10350E-03	.44209E-06	.15339E-07	-.64035E-07
		12	.86858E-06	.12340E-03	-.75733E-04	.84282E-06	-.10351E-05	-.20830E-06
		13	.29248E-04	-.18255E-03	.20033E-03	-.29421E-06	-.97512E-06	-.42664E-06
		14	-.17595E-05	-.60566E-05	-.37928E-04	-.50857E-06	.64020E-06	.15913E-06
		15	.71855E-04	.77226E-05	.39111E-04	.46803E-06	.1851E-06	.27989E-07
		16	.39612E-07	-.54411E-09	.31999E-08	.14013E-10	.35872E-09	.92306E-10
		17	.75368E-05	-.14407E-04	-.29541E-04	-.41653E-06	-.29632E-07	.16208E-06
		18	.18748E-05	-.42309E-05	-.16027E-04	-.84357E-07	-.48312E-07	.38671E-07
		19	-.63455E-06	.16963E-05	.61272E-05	.30965E-07	.20180E-07	-.13146E-07
		20	-.75359E-05	.19369E-04	.90476E-04	-.72633E-07	.56838E-07	-.21853E-06
		21	-.13221E-05	.64694E-05	.93467E-05	.72242E-07	.16734E-06	.67540E-07
		22	.47024E-06	-.20376E-05	-.36416E-05	.34653E-08	-.28780E-07	-.18873E-07
		23	-.39662E-05	.79923E-05	.62972E-05	-.38520E-06	-.29388E-06	.12206E-06
		24	-.99073E-06	.27910E-06	.35308E-06	.37535E-08	.12251E-07	.15906E-07
		25	.70164E-05	.38787E-06	-.24346E-06	-.21101E-07	-.36700E-07	-.88502E-07
		26	.13512E-04	.29355E-05	-.91576E-05	-.29322E-06	-.36407E-06	-.10859E-06
		27	-.16432E-04	.29836E-05	-.35932E-05	-.14831E-06	-.56472E-07	.15432E-06
		28	-.17652E-05	.30074E-05	-.15572E-04	-.28673E-06	-.25530E-06	.30766E-07





17	.1508E-05	.1404E-04	.1404E-04	.1404E-04	.1404E-04	.1404E-04
18	.1404E-05	.1404E-05	.1404E-05	.1404E-05	.1404E-05	.1404E-05
19	.1404E-06	.1404E-06	.1404E-06	.1404E-06	.1404E-06	.1404E-06
20	.1404E-07	.1404E-07	.1404E-07	.1404E-07	.1404E-07	.1404E-07
21	.1404E-08	.1404E-08	.1404E-08	.1404E-08	.1404E-08	.1404E-08
22	.1404E-09	.1404E-09	.1404E-09	.1404E-09	.1404E-09	.1404E-09
23	.1404E-10	.1404E-10	.1404E-10	.1404E-10	.1404E-10	.1404E-10
24	.1404E-11	.1404E-11	.1404E-11	.1404E-11	.1404E-11	.1404E-11
25	.1404E-12	.1404E-12	.1404E-12	.1404E-12	.1404E-12	.1404E-12
26	.1404E-13	.1404E-13	.1404E-13	.1404E-13	.1404E-13	.1404E-13
27	.1404E-14	.1404E-14	.1404E-14	.1404E-14	.1404E-14	.1404E-14
28	.1404E-15	.1404E-15	.1404E-15	.1404E-15	.1404E-15	.1404E-15
29	.1404E-16	.1404E-16	.1404E-16	.1404E-16	.1404E-16	.1404E-16
30	.1404E-17	.1404E-17	.1404E-17	.1404E-17	.1404E-17	.1404E-17
31	.1404E-18	.1404E-18	.1404E-18	.1404E-18	.1404E-18	.1404E-18

MAXIMUM VALUE	.35693E-02	.70572E-03	.24440E-02	.18512E-04	.50918E-04	.26744E-04
ABSOLUTE SUM	.96794E-02	.28482E-02	.86953E-02	.61573E-04	.62420E-04	.71033E-04
SCRT. SUM OF SQ	.50773E-02	.11679E-02	.39539E-02	.29232E-04	.52540E-04	.35540E-04
CLS LY SP MODES	.75069E-02	.17594E-02	.00630E-02	.44771E-04	.62160E-04	.52920E-04

7	7	1	.34121E-04	.42974E-05	.28478E-04	.37012E-07	.55053E-06	.11498E-06
		2	.17687E-03	.16686E-04	.82116E-04	.45446E-06	.29151E-05	.83192E-06
		3	.14520E-02	.70046E-03	.30709E-02	.10162E-04	.46390E-06	.44248E-05
		4	.42019E-02	.64504E-03	.35009E-02	.11253E-04	.13125E-04	.15456E-04
		5	.42312E-02	.56933E-03	.29697E-02	.90483E-05	.48940E-04	.14345E-04
		6	.13234E-02	.13293E-03	.75756E-03	.22362E-05	.64995E-06	.49170E-05
		7	.12618E-03	.39075E-04	.28844E-03	.41340E-06	.50656E-05	.14586E-06
		8	.29413E-05	.57461E-06	.71836E-05	.19701E-07	.16803E-07	.21347E-07
		9	.19141E-03	.19645E-03	.51619E-03	.29037E-06	.21997E-05	.27903E-05
		10	.28227E-04	.17973E-04	.93812E-05	.18312E-06	.12301E-05	.19192E-06
		11	.17610E-05	.11547E-03	.12172E-03	.14820E-06	.29218E-07	.80958E-07
		12	.65376E-05	.12180E-03	.10486E-03	.12679E-07	.92428E-06	.32290E-07
		13	.49422E-05	.18043E-03	.19976E-03	.52022E-06	.82027E-06	.30098E-06
		14	.51097E-05	.56853E-05	.12600E-04	.29261E-06	.57018E-06	.49544E-07
		15	.61453E-04	.74102E-05	.12181E-04	.35101E-06	.54113E-06	.38942E-06
		16	.37096E-07	.59517E-09	.18557E-08	.25626E-10	.42132E-09	.19664E-09
		17	.13723E-04	.13901E-04	.19483E-04	.47393E-06	.22598E-07	.29837E-08
		18	.34633E-05	.40193E-05	.81962E-05	.14465E-06	.29531E-07	.17609E-08
		19	.11735E-05	.16161E-05	.31646E-05	.55474E-07	.13257E-07	.55195E-09
		20	.19522E-04	.17372E-04	.69624E-04	.70856E-06	.16278E-07	.65825E-07
		21	.33024E-05	.66303E-05	.29106E-05	.10524E-06	.15701E-06	.46982E-07
		22	.76184E-06	.20254E-05	.26443E-05	.32241E-07	.28177E-07	.12508E-07
		23	.37787E-05	.74797E-05	.24082E-04	.50378E-07	.22903E-06	.75603E-07
		24	.30490E-06	.31154E-06	.69589E-06	.50193E-08	.13840E-07	.16123E-07
		25	.65494E-06	.37184E-06	.19011E-05	.85953E-08	.51367E-07	.10261E-06
		26	.14754E-05	.23927E-05	.11252E-04	.18765E-06	.34446E-06	.18774E-06
		27	.42909E-06	.29492E-05	.63686E-05	.82645E-07	.15737E-08	.23529E-06
		28	.58949E-06	.23379E-05	.84819E-05	.26540E-06	.21150E-06	.26468E-07
		29	.13087E-05	.11300E-05	.23527E-05	.74453E-07	.59751E-08	.73644E-07
		30	.62303E-06	.44465E-06	.45688E-06	.98365E-08	.16458E-07	.18662E-07
		31	.10371E-06	.13998E-07	.73058E-06	.26561E-08	.19422E-08	.19922E-08

MAXIMUM VALUE	.48312E-02	.70046E-03	.35009E-02	.11253E-04	.48946E-04	.15456E-04
ABSOLUTE SUM	.13099E-01	.28162E-02	.11844E-01	.37630E-04	.79194E-04	.44961E-04
SCRT. SUM OF SQ	.70957E-02	.11622E-02	.56135E-02	.17851E-04	.51100E-04	.22301E-04
CLS LY SP MODES	.10537E-01	.17538E-02	.86213E-02	.27450E-04	.62589E-04	.32853E-04

6	6	1	.37740E-04	.42525E-05	.28379E-04	.34466E-07	.49784E-06	.26842E-08
		2	.20925E-03	.16609E-04	.98842E-04	.68148E-07	.26683E-05	.16594E-06
		3	.15888E-02	.69436E-03	.34542E-02	.90653E-06	.16975E-05	.28966E-06
		4	.53590E-02	.64500E-03	.39249E-02	.78273E-06	.15931E-04	.70791E-06
		5	.54458E-02	.56921E-03	.33272E-02	.81423E-06	.46975E-04	.25607E-05
		6	.15350E-02	.12315E-03	.80899E-03	.70043E-06	.99609E-06	.91902E-06
		7	.10442E-03	.39797E-04	.30710E-03	.46837E-07	.42946E-05	.48970E-06
		8	.40708E-05	.61054E-07	.79491E-05	.33797E-09	.21483E-07	.10091E-07
		9	.54974E-04	.10731E-03	.48682E-03	.12877E-05	.17751E-05	.14825E-05
		10	.13842E-04	.17607E-04	.53323E-05	.79792E-08	.10795E-05	.22863E-06
		11	.37031E-05	.11275E-03	.88635E-04	.75949E-06	.40997E-07	.70295E-07
		12	.37535E-05	.11940E-03	.74660E-04	.75833E-06	.81343E-06	.86479E-07
		13	.10753E-04	.17707E-03	.13064E-03	.14055E-05	.66541E-06	.15930E-06
		14	.49511E-05	.56621E-05	.14007E-05	.13952E-06	.50016E-06	.40019E-07
		15	.20529E-04	.70150E-05	.75450E-05	.21627E-06	.66374E-06	.70961E-06
		16	.13774E-07	.63945E-09	.16659E-09	.28881E-10	.48393E-09	.42246E-09
		17	.80152E-05	.13187E-04	.12484E-04	.38913E-06	.74828E-07	.14162E-06
		18	.21115E-05	.37414E-05	.29199E-05	.14781E-06	.10749E-07	.34754E-07
		19	.70901E-06	.15087E-05	.11349E-05	.57325E-07	.64333E-06	.11874E-07
		20	.15924E-04	.19524E-04	.12726E-05	.10923E-05	.89395E-07	.15464E-06



10	.172E-04	.176E-04	.533E-05	.7979E-08	.10795E-07
11	.37031E-05	.11275E-03	.88035E-04	.75949E-06	.43097E-07
12	.37535E-05	.11940E-03	.74600E-04	.7585E-06	.81343E-06
13	.10753E-04	.17707E-03	.13064E-03	.140E-05	.68541E-06
14	.49511E-05	.50621E-05	.17007E-05	.1395E-06	.50016E-06
15	.20529E-04	.70150E-05	.75450E-05	.21627E-06	.66374E-06
16	.13774E-07	.63945E-09	.10659E-09	.28881E-10	.48393E-09
17	.80152E-05	.13187E-04	.12489E-04	.38913E-06	.74828E-07
18	.21115E-05	.37416E-05	.29190E-05	.14784E-06	.10749E-07
19	.70901E-06	.15089E-05	.11349E-05	.57326E-07	.63333E-06
20	.15924E-04	.15052E-04	.13726E-05	.10720E-05	.89395E-07
21	.47325E-05	.66281E-05	.43490E-05	.80982E-07	.14008E-06
22	.11421E-05	.19672E-05	.53105E-04	.46241E-07	.27574E-07
23	.58342E-05	.67406E-05	.12901E-04	.29284E-06	.16418E-06
24	.10817E-05	.33306E-06	.29181E-06	.22417E-08	.15429E-07
25	.61057E-05	.34177E-06	.68439E-06	.10511E-07	.66034E-07
26	.10507E-04	.17509E-05	.14883E-04	.88327E-07	.37525E-06
27	.13048E-04	.27867E-05	.69809E-05	.60451E-07	.53325E-07
28	.16290E-05	.15531E-05	.18219E-04	.39125E-07	.16783E-06
29	.39011E-05	.90912E-06	.50656E-05	.10621E-07	.12702E-07
30	.90384E-06	.46840E-06	.08702E-06	.41272E-08	.14136E-07
31	.95397E-07	.52101E-08	.15576E-06	.81753E-09	.21662E-08

MAXIMUM VALUE	.54458E-02	.09438E-03	.39249E-02	.14055E-05	.46775E-04	.25607E-05
ABSOLUTE SUM	.14473E-01	.27763E-02	.1283E-01	.10245E-04	.79803E-04	.85740E-05
SORT SUM OF SC	.79572E-02	.11546E-02	.62797E-02	.29873E-05	.49965E-04	.33335E-05
CLS LY SP MODES	.11791E-01	.17456E-02	.96546E-02	.39293E-05	.63698E-04	.40252E-05

5	5	1	.32906E-04	.41945E-05	.22252E-04	.10253E-06	.43138E-06	.10392E-06
		2	.19110E-03	.16501E-04	.86385E-04	.32181E-06	.23570E-05	.52936E-06
		3	.13285E-02	.68586E-03	.30242E-02	.10603E-04	.32535E-05	.53796E-05
		4	.06311E-02	.64400E-03	.34054E-02	.12547E-04	.19470E-04	.16737E-04
		5	.49460E-02	.56813E-03	.29109E-02	.10415E-04	.44489E-04	.14103E-04
		6	.13719E-02	.11056E-03	.60391E-03	.37522E-05	.10722E-05	.46082E-05
		7	.08172E-04	.40605E-04	.26550E-03	.98433E-06	.33222E-05	.76327E-06
		8	.41577E-05	.13065E-06	.86504E-05	.29621E-07	.24787E-07	.82996E-08
		9	.15423E-06	.17519E-03	.29917E-03	.28501E-05	.12390E-05	.36608E-06
		10	.57865E-05	.17046E-04	.11373E-04	.77423E-07	.88956E-06	.20424E-06
		11	.79962E-05	.10862E-03	.35831E-05	.10183E-05	.60602E-07	.21932E-07
		12	.67409E-05	.11554E-03	.13011E-04	.10293E-05	.67561E-06	.12514E-06
		13	.16961E-04	.17158E-03	.15241E-04	.16467E-05	.47011E-06	.26983E-07
		14	.16121E-05	.53285E-05	.01636E-05	.83543E-08	.41185E-06	.86960E-07
		15	.42666E-04	.64345E-05	.16782E-03	.48091E-08	.81839E-06	.57299E-06
		16	.25226E-07	.68768E-09	.22032E-08	.12413E-10	.56288E-09	.36361E-09
		17	.77991E-05	.12081E-04	.32901E-04	.26742E-07	.14070E-06	.16234E-06
		18	.18285E-05	.33264E-05	.11997E-04	.13002E-07	.12939E-07	.40349E-07
		19	.63202E-06	.13473E-05	.46624E-05	.11561E-07	.23987E-08	.13637E-07
		20	.51493E-05	.11831E-04	.62883E-04	.43993E-06	.18161E-06	.24389E-06
		21	.98551E-06	.67162E-05	.74967E-05	.26541E-07	.13365E-06	.59268E-07
		22	.19727E-06	.18467E-05	.36772E-05	.11037E-07	.26814E-07	.14705E-07
		23	.15369E-06	.55944E-05	.18978E-04	.24933E-06	.82396E-07	.82627E-07
		24	.45924E-06	.35024E-06	.23459E-06	.31017E-08	.17433E-07	.13474E-07
		25	.32622E-05	.29027E-06	.02801E-06	.13565E-07	.84532E-07	.77365E-07
		26	.82291E-05	.82296E-06	.42350E-05	.21273E-06	.30076E-06	.12828E-06
		27	.85505E-05	.24552E-05	.34080E-05	.16261E-06	.12257E-06	.17314E-06
		28	.22279E-07	.48292E-06	.02314E-06	.20964E-06	.11267E-06	.22923E-07
		29	.34434E-05	.71347E-06	.34261E-06	.39630E-07	.36260E-07	.51723E-07
		30	.10766E-05	.47041E-06	.26857E-06	.95943E-08	.20253E-07	.12218E-07
		31	.15232E-06	.62327E-08	.58795E-07	.21494E-08	.24939E-08	.13916E-08

MAXIMUM VALUE	.49460E-02	.68586E-03	.34054E-02	.12547E-04	.44469E-04	.16737E-04
ABSOLUTE SUM	.12692E-01	.27179E-02	.10963E-01	.46850E-04	.82262E-04	.44735E-04
SORT SUM OF SC	.70427E-02	.11437E-02	.54551E-02	.20173E-04	.48982E-04	.23038E-04
CLS LY SP MODES	.10385E-01	.17324E-02	.83973E-02	.30789E-04	.65422E-04	.34498E-04

4	4	1	.20978E-04	.41353E-05	.11595E-04	.14048E-06	.36492E-06	.16359E-06
		2	.12434E-03	.10380E-04	.47142E-04	.55247E-06	.20457E-05	.95384E-06
		3	.72002E-03	.67040E-03	.17210E-02	.18827E-04	.48090E-05	.81143E-05
		4	.26512E-02	.64176E-03	.18772E-02	.21813E-04	.23009E-04	.27174E-04
		5	.31456E-02	.56000E-03	.16228E-02	.18587E-04	.42003E-04	.26097E-04
		6	.78496E-03	.97703E-04	.20679E-03	.49059E-05	.51483E-05	.82428E-05
		7	.14921E-04	.41249E-04	.10428E-03	.17505E-05	.23499E-05	.71165E-06
		8	.27346E-05	.19985E-06	.31337E-05	.48061E-07	.24091E-07	.22638E-07
		9	.14767E-04	.10244E-03	.29425E-04	.29695E-05	.74404E-06	.19524E-06
		10	.19106E-04	.16375E-04	.10005E-04	.50637E-04	.49965E-06	.87879E-07
		11	.72538E-05	.10374E-03	.71052E-04	.50512E-06	.78107E-07	.35447E-07
		12	.15609E-04	.11080E-03	.85102E-04	.41300E-06	.53379E-06	.51889E-07



1	-.1334E-03	-.1633E-04	-.4714E-04	-.5524E-06	-.20457E-06	-.95384E-06
2	-.72002E-03	-.6704E-03	-.17210E-02	-.18827E-04	-.08094E-05	-.81143F-05
3	-.28512E-02	-.64176E-03	-.18772E-02	-.21817E-04	-.23009E-04	-.27174F-04
4	-.31456E-02	-.56009E-03	-.16228E-02	-.14570E-04	-.42003E-04	-.26097E-04
5	-.78896E-03	-.97703E-04	-.20679E-03	-.49050E-05	-.51483E-05	-.82428E-05
6	-.18921E-04	-.41299E-04	-.14428E-03	-.17507E-05	-.23499E-05	-.71165E-06
7	-.27346E-05	-.19985E-06	-.31337E-05	-.48061E-07	-.28091E-07	-.22638E-07
8	-.14767E-04	-.10244E-03	-.29425E-04	-.29697E-05	-.70404E-06	-.19524E-06
9	-.19106E-04	-.16375E-04	-.16085E-04	-.50637E-08	-.69965E-06	-.87879E-07
10	-.72538E-05	-.10374E-03	-.71052E-04	-.50517E-06	-.78107E-07	-.35447E-07
11	-.15609E-04	-.11086E-03	-.05102E-04	-.41307E-06	-.53379E-06	-.51889E-07
12	-.72427E-05	-.16472E-03	-.12737E-03	-.63287E-06	-.27480E-06	-.14438E-06
13	-.84185E-05	-.49401E-05	-.11640E-05	-.76257E-07	-.32354E-06	-.50219E-07
14	-.68801E-04	-.57700E-05	-.76325E-05	-.16557E-06	-.97305E-06	-.30597E-07
15	-.02736E-07	-.72676E-09	-.20937E-08	-.14737E-10	-.60184E-09	-.35034E-11
16	-.16726E-04	-.10764E-04	-.17137E-04	-.32567E-06	-.20658E-06	-.12444E-07
17	-.40103E-05	-.28473E-05	-.75608E-05	-.11497E-06	-.36627E-07	-.19709E-08
18	-.13597E-05	-.11597E-05	-.29178E-05	-.40967E-07	-.11131E-07	-.41964E-07
19	-.20672E-04	-.83524E-05	-.87317E-04	-.75637E-06	-.27383E-06	-.58130E-07
20	-.41563E-05	-.61617E-05	-.13382E-05	-.92407E-07	-.12062E-06	-.36730E-07
21	-.10572E-05	-.16777E-05	-.21497E-05	-.40077E-07	-.26054E-07	-.84023E-08
22	-.61976E-05	-.42505E-05	-.22849E-04	-.20407E-06	-.60744E-09	-.21697E-07
23	-.78069E-06	-.35321E-06	-.16176E-06	-.35207E-08	-.19438E-07	-.96101E-08
24	-.08333E-05	-.22596E-06	-.10517E-05	-.78657E-08	-.10303E-06	-.60369E-07
25	-.79179E-05	-.56126E-07	-.14990E-04	-.58127E-07	-.27627E-06	-.13693E-06
26	-.11068E-04	-.19995E-05	-.73517E-05	-.51007E-07	-.19181E-06	-.14350E-06
27	-.15614E-05	-.61503E-06	-.16360E-04	-.30657E-07	-.57505E-07	-.24662E-09
28	-.33266E-05	-.41459E-06	-.45259E-05	-.13257E-07	-.59817E-07	-.52306E-07
29	-.80576E-06	-.40094E-06	-.01537E-06	-.57877E-08	-.22369E-07	-.15949E-07
30	-.97572E-07	-.17198E-07	-.13402E-06	-.31304E-09	-.28016E-08	-.21776E-08

MAXIMUM VALUE	-.31458E-02	-.67040E-03	-.18772E-02	-.21818E-04	-.42003E-04	-.27174E-04
ABSOLUTE SUM	-.76993E-02	-.26522E-02	-.61383E-02	-.73146E-04	-.84755E-04	-.72636E-04
SGRT SUM OF SC	-.42531E-02	-.11308E-02	-.30366E-02	-.34840E-04	-.40853E-04	-.39431E-04
CLS LY SP MODES	-.62144E-02	-.17161E-02	-.46769E-02	-.53529E-04	-.67344E-04	-.58532E-04

3	3	1	-.10189E-04	-.41067E-05	-.58597E-05	-.14630E-06	-.33407E-06	-.17290E-06
		2	-.64013E-04	-.16317E-04	-.23953E-04	-.59078E-06	-.19011E-05	-.10240E-05
		3	-.38530E-03	-.67122E-03	-.92089E-03	-.20603E-04	-.55318E-05	-.81866E-05
		4	-.15154E-02	-.64013E-03	-.95304E-03	-.23523E-04	-.24652E-04	-.27954E-04
		5	-.20295E-02	-.56414E-03	-.83172E-03	-.20169E-04	-.40849E-04	-.27976E-04
		6	-.43927E-03	-.91538E-04	-.10936E-04	-.45272E-05	-.61122E-05	-.85579E-05
		7	-.44992E-04	-.41523E-04	-.69440E-04	-.16840E-05	-.18984E-05	-.56714E-06
		8	-.17302E-05	-.23147E-06	-.11237E-05	-.48817E-07	-.29625E-07	-.24979E-07
		9	-.36032E-05	-.15604E-03	-.42356E-04	-.23747E-05	-.45540E-06	-.25162E-06
		10	-.20967E-04	-.15975E-04	-.14542E-04	-.69274E-07	-.61148E-06	-.26518E-07
		11	-.52644E-05	-.10086E-03	-.22680E-04	-.76819E-07	-.86235E-07	-.49921E-07
		12	-.16423E-04	-.10788E-03	-.91635E-04	-.59811E-07	-.46888E-06	-.56405E-06
		13	-.75517E-06	-.16042E-03	-.13699E-03	-.91054E-07	-.18412E-06	-.14937E-06
		14	-.96176E-05	-.47168E-05	-.21315E-05	-.70207E-07	-.28254E-06	-.20407E-07
		15	-.59299E-04	-.53979E-05	-.95038E-07	-.17427E-06	-.10448E-05	-.25566E-06
		16	-.37418E-07	-.73674E-09	-.12090E-08	-.22725E-10	-.67850E-09	-.14571E-09
		17	-.15825E-04	-.99934E-05	-.12070E-05	-.36253E-06	-.23717E-06	-.51630E-07
		18	-.34738E-05	-.25786E-05	-.16038E-05	-.13794E-06	-.47620E-07	-.14101E-07
		19	-.11643E-05	-.10530E-05	-.58957E-06	-.53823E-07	-.15185E-07	-.50406E-08
		20	-.19804E-04	-.65839E-05	-.23985E-04	-.10275E-05	-.31065E-06	-.35816E-07
		21	-.49613E-05	-.58339E-05	-.26967E-05	-.85137E-07	-.11457E-06	-.14684E-07
		22	-.12009E-05	-.15607E-05	-.53090E-07	-.47212E-07	-.25701E-07	-.27481E-08
		23	-.56195E-05	-.34996E-05	-.84495E-05	-.33864E-06	-.37366E-07	-.14245E-07
		24	-.10614E-05	-.34307E-06	-.26297E-06	-.17475E-08	-.20368E-07	-.38063E-08
		25	-.61364E-05	-.18766E-06	-.40108E-06	-.15213E-07	-.11162E-06	-.24836E-07
		26	-.11360E-04	-.49476E-06	-.76339E-05	-.17733E-06	-.26490E-06	-.75347E-07
		27	-.13727E-04	-.17923E-05	-.27239E-05	-.10753E-06	-.22395E-06	-.58391E-07
		28	-.10228E-05	-.10949E-05	-.90027E-05	-.17847E-06	-.31894E-07	-.11629E-07
		29	-.43842E-05	-.25460E-06	-.22227E-05	-.54687E-07	-.70754E-07	-.23697E-07
		30	-.11456E-05	-.40237E-06	-.11312E-06	-.11235E-07	-.23352E-07	-.85147E-08
		31	-.15667E-06	-.21174E-07	-.86256E-07	-.11847E-08	-.29445E-08	-.11990E-08

MAXIMUM VALUE	-.20295E-02	-.67122E-03	-.95309E-03	-.23523E-04	-.40849E-04	-.27976E-04
ABSOLUTE SUM	-.47204E-02	-.26161E-02	-.32885E-02	-.77007E-04	-.85967E-04	-.75569E-04
SGRT SUM OF SC	-.26022E-02	-.11231E-02	-.15797E-02	-.37631E-04	-.44518E-04	-.41303E-04
CLS LY SP MODES	-.37591E-02	-.17060E-02	-.24251E-02	-.57897E-04	-.68259E-04	-.61135E-04

2	2	1	-.64187E-08	-.49487E-08	-.69201E-09	-.61862E-09	-.12005E-08	-.49223F-09
		2	-.44218E-07	-.12096E-07	-.43389F-08	-.23197E-08	-.70508E-08	-.38677E-08
		3	-.45264E-06	-.89061E-06	-.15037E-06	-.10491E-06	-.17726E-07	-.61144E-07
		4	-.15747E-05	-.34639E-06	-.19255E-06	-.88553E-07	-.86758E-07	-.19984E-06









22	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.

MAXIMUM VALUE	0.	0.	0.	0.	0.	0.
ABSOLUTE SUM	0.	0.	0.	0.	0.	0.
SORT, SUM OF SC	0.	0.	0.	0.	0.	0.
CLS Y SP MODES	0.	0.	0.	0.	0.	0.



RESPONSE SPECTRUM STRESS COMPONENTS

SQUARE ROOT OF THE SUM OF THE SQUARES OF THE MODAL STRESSES  
(FOR ALL ELEMENTS)

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 1 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.9474E+03 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.1033E+04 0.

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 2 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.2066E+04 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.2309E+04 0.

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 3 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.1043E+04 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.1397E+04 0.

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 4 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.0881E+03 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.0859E+03 0.

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 5 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.6179E+03 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.7910E+03 0.

ELEMENT TYPE (B C U N D A R Y ) / / / ELEMENT NUMBER ( 6 )

BDRY-F BDRY-M  
SQUARE ROOT SUM OF THE SQUARES  
.1082E+04 0.  
CLOSELY SPACED MODE SUMMATION METHOD  
.1212E+04 0.



7910E+03 0.  
ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 6 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.1082E+04 0.  
CLOSELY SPACED MCDE SUMMATION METHOD  
.1212E+04 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 7 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.1380E+04 0.  
CLOSELY SPACED MCDE SUMMATION METHOD  
.1516E+04 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 8 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.4763E+03 0.  
CLOSELY SPACED MCDE SUMMATION METHOD  
.5537E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 9 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.1156E+04 0.  
CLOSELY SPACED MCDE SUMMATION METHOD  
.1282E+04 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 10 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.5740E+03 0.  
CLOSELY SPACED MCDE SUMMATION METHOD  
.6080E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 11 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.8870E+03 0.  
CLOSELY SPACED MCDE SUMMATION METHOD  
.9079E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 12 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES  
.2599E+03 0.  
CLOSELY SPACED MCDE SUMMATION METHOD  
.2813E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 13 )

BDRY-F BDRY-M  
SQUARE ROOT SUM CF THE SQUARES



SQUARE ROOT SLM CF THE SQUARES  
.2599E+03 0.  
CLOSELY SPACED MCDE SUMMATION METHOD  
.13E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 13)

BDRY-F BDRY-M  
SQUARE ROOT SLM CF THE SQUARES  
.4836E+03 0.  
CLOSELY SPACED MCDE SUMMATION METHOD  
.5108E+03 0.

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 14)

BDRY-F BDRY-M  
SQUARE ROOT SLM CF THE SQUARES  
0. .2263E+05  
CLOSELY SPACED MCDE SUMMATION METHOD  
0. .2326E+05

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 15)

BDRY-F BDRY-M  
SQUARE ROOT SLM CF THE SQUARES  
0. .4560E+05  
CLOSELY SPACED MCDE SUMMATION METHOD  
0. .4640E+05

ELEMENT TYPE (B O U N D A R Y ) / / / ELEMENT NUMBER ( 16)

BDRY-F BDRY-M  
SQUARE ROOT SLM CF THE SQUARES  
0. .3206E+05  
CLOSELY SPACED MCDE SUMMATION METHOD  
0. .3257E+05

ELEMENT TYPE (3/0 P I P E ) / / / ELEMENT NUMBER ( 1)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-1342E+01	.1708E+01	.2126E+01	.7807E+02	-.2488E+03	.1285E+03	-1342E+01	.1708E+01	.2126E+01	.7807E+02	-.2463E+03	.1265E+03
-.8357E+01	.3994E+01	-.1641E+02	-.6134E+03	.1464E+04	.4806E+03	-.8357E+01	.3994E+01	-.1641E+02	-.6134E+03	.1444E+04	.4759E+03
.2916E+03	-.3088E+03	-.1575E+03	-.9698E+04	.3749E+04	-.2182E+05	.2916E+03	-.3088E+03	-.1575E+03	-.9698E+04	.3560E+04	-.2145E+05
.3735E+03	-.1094E+03	.5641E+03	.3170E+05	-.1823E+05	-.1832E+05	.3735E+03	-.1094E+03	.5681E+03	.3170E+05	-.1755E+05	-.1819E+05
.3301E+03	-.1109E+03	-.5782E+03	-.2537E+05	.3235E+05	-.1638E+05	.3301E+03	-.1109E+03	-.5782E+03	-.2537E+05	.3165E+05	-.1625E+05
-.1113E+03	-.3679E+03	.2062E+03	.1130E+05	-.4822E+04	-.7420E+04	-.1113E+03	-.3679E+03	.2062E+03	.1130E+05	-.4575E+04	-.6979E+04
.3701E+02	.1333E+02	.1059E+02	.1600E+04	.1714E+04	-.9252E+03	.3701E+02	.1333E+02	.1059E+02	.1600E+04	.1727E+04	-.9412E+03
.1128E+01	.1887E+01	-.7271E+00	-.3205E+02	.2611E+02	.1920E+02	.1128E+01	.1887E+01	-.7271E+00	-.3205E+02	.2523E+02	.1643E+02
-.7069E+02	-.3824E+03	.2288E+02	.1118E+04	.1562E+03	-.9335E+04	-.7069E+02	-.3824E+03	.2288E+02	.1118E+04	.1830E+03	-.8876E+04
.8732E+00	-.2388E+02	-.3456E+01	.1664E+03	.5899E+03	-.7520E+03	.8732E+00	-.2388E+02	-.3456E+01	.1664E+03	.5858E+03	-.7234E+03
.2624E+01	.1715E+03	-.2986E+01	-.1008E+03	.9829E+02	.5039E+04	.2624E+01	.1715E+03	-.2986E+01	-.1008E+03	.9471E+02	.4833E+04
-.3316E+01	.1745E+03	.2877E+01	-.1078E+03	-.4497E+03	.5275E+04	-.3316E+01	.1745E+03	.2877E+01	-.1078E+03	-.4463E+03	.5066E+04
.8797E+01	-.2562E+03	-.7093E+01	-.4258E+03	-.1148E+03	-.7811E+04	.8797E+01	-.2562E+03	-.7093E+01	-.4258E+03	-.1233E+03	-.7504E+04
-.4295E+01	-.1332E+02	-.1663E+01	.8184E+02	.2769E+03	-.3000E+03	-.4295E+01	-.1332E+02	-.1663E+01	.8184E+02	.2749E+03	-.2840E+03
.1017E+02	.2221E+02	-.3661E+02	-.9334E+03	.1341E+04	.4290E+03	.1017E+02	.2221E+02	-.3661E+02	-.9334E+03	.1297E+04	.0023E+03
.1435E+02	-.5956E+03	-.2249E+01	-.5484E+00	.8594E+00	-.1434E+01	.1435E+02	-.5956E+03	-.2249E+01	-.5484E+00	.8330E+00	-.1505E+01
-.2337E+02	-.4597E+02	-.1002E+02	-.2784E+03	.3413E+03	-.8498E+03	-.2337E+02	-.4597E+02	-.1062E+02	-.2784E+03	.3286E+03	-.7947E+03
-.9520E+01	-.1603E+02	-.2840E+01	-.8121E+02	.7753E+02	-.2608E+03	-.9520E+01	-.1603E+02	-.2840E+01	-.8121E+02	.7412E+02	-.2495E+03
.3754E+01	.6348E+01	.9836E+00	.2880E+02	-.2506E+02	.1073E+03	.3754E+01	.6348E+01	.9836E+00	.2880E+02	-.2448E+02	.9971E+02
.7978E+02	.1055E+03	.1492E+02	.3604E+03	-.4804E+03	.1451E+04	.7978E+02	.1055E+03	.1492E+02	.3604E+03	-.4625E+03	.1324E+04
.5351E+01	.1654E+02	-.2406E+01	-.1533E+02	.1407E+03	.3731E+03	.5351E+01	.1654E+02	-.2406E+01	-.1533E+02	.1378E+03	.3533E+03
-.3680E+01	-.6948E+01	.6890E+00	.8567E+01	-.3355E+02	-.1289E+03	-.3680E+01	-.6948E+01	.6890E+00	.8567E+01	-.3273E+02	-.1206E+03
.3566E+02	.4481E+02	-.6757E+01	-.2078E+03	.1269E+03	.6241E+03	.3566E+02	.4481E+02	-.6757E+01	-.2078E+03	.1186E+03	.5703E+03
-.1365E+01	.6050E+00	-.7559E+00	-.1194E+02	.3030E+02	.1756E+02	-.1365E+01	.6050E+00	-.7559E+00	-.1194E+02	.2947E+02	.1666E+02
.1867E+01	.2235E+01	.4738E+01	.6057E+02	-.1770E+03	.3182E+02	.1867E+01	.2235E+01	.4738E+01	.6057E+02	-.1713E+03	.2907E+02
.2562E+02	.2558E+02	.6514E+01	-.2944E+02	-.3564E+03	.2731E+03	.2562E+02	.2558E+02	.6514E+01	-.2944E+02	-.3486E+03	.2424E+03
.1030E+02	.1773E+02	-.1192E+02	-.2303E+03	.3948E+03	.2533E+03	.1030E+02	.1773E+02	-.1194E+02	-.2303E+03	.3805E+03	.2320E+03





237E+02	457E+02	106E+02	279E+03	341E+03	849E+03	237E+02	459E+02	106E+02	278E+03	346E+03	794E+03
980E+01	1603E+02	284E+01	812E+02	775E+02	268E+03	758E+01	1603E+02	284E+01	812E+02	775E+02	244E+03
354E+01	634E+01	983E+00	280E+02	250E+02	1073E+03	354E+01	634E+01	983E+00	280E+02	250E+02	997E+02
78E+02	1055E+01	1492E+02	366E+03	880E+03	1451E+04	78E+02	1055E+01	1492E+02	366E+03	880E+03	134E+03
351E+01	1654E+02	2406E+01	1533E+02	1407E+03	3731E+03	351E+01	1654E+02	2406E+01	1533E+02	1376E+03	3533E+03
360E+01	694E+01	6870E+00	856E+01	335E+02	128E+03	360E+01	694E+01	6870E+00	856E+01	3273E+02	128E+03
356E+02	448E+02	6757E+01	207E+03	126E+03	624E+03	356E+02	448E+02	6757E+01	207E+03	118E+03	570E+03
1365E+01	6050E+00	7559E+00	1194E+02	363E+02	175E+02	1365E+01	6050E+00	7559E+00	1194E+02	2947E+02	166E+02
1867E+01	2285E+01	4738E+01	8057E+02	1770E+03	318E+02	1867E+01	2285E+01	4738E+01	8057E+02	1713E+03	2907E+02
2562E+02	2558E+02	6514E+01	2944E+02	356E+03	2731E+03	2562E+02	2558E+02	6514E+01	2944E+02	348E+03	242E+03
1434E+02	1773E+02	1194E+02	2303E+03	394E+03	2533E+03	1434E+02	1773E+02	1194E+02	2303E+03	3805E+03	2320E+03
3063E+02	2564E+02	2958E+01	1155E+03	1168E+02	252E+03	3063E+02	2564E+02	2958E+01	1155E+03	8134E+01	2509E+03
9139E+01	9548E+01	3963E+01	7418E+02	1297E+03	1144E+03	9139E+01	9548E+01	3963E+01	7418E+02	1250E+03	1030E+03
1590E+01	2302E+01	9080E+00	1140E+02	3715E+02	3830E+02	1590E+01	2302E+01	9080E+00	1140E+02	360E+02	3558E+02
2874E+00	2373E+00	1191E+00	1473E+01	4805E+01	192E+01	2874E+00	2373E+00	1191E+00	1473E+01	466E+01	1643E+01

SQUARE ROOT SUM OF THE SQUARES

6023E+03	7389E+03	8529E+03	4331E+05	3774E+05	3664E+05	6023E+03	7389E+03	8529E+03	4331E+05	3676E+05	3595E+05
CLOSELY SPACED MODE SUMMATION METHOD											
9165E+03	9033E+03	1252E+04	6431E+05	5251E+05	5387E+05	9165E+03	9033E+03	1252E+04	6431E+05	5103E+05	5303E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER : ( 2 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
1342E+01	170E+01	2126E+01	7807E+02	2443E+03	1265E+03	2587E+00	2157E+01	2126E+01	9090E+02	1617E+03	5449E+02
8357E+01	3994E+01	1641E+02	6134E+03	1444E+04	4759E+03	3085E+01	8734E+01	1641E+02	3709E+03	9325E+03	2186E+03
2910E+03	3088E+03	1575E+03	9646E+04	3560E+04	2145E+05	1214E+02	4246E+03	1575E+03	6415E+04	3364E+04	7775E+04
3735E+03	1094E+03	5681E+03	3170E+05	1755E+05	1819E+05	1867E+03	3414E+03	5681E+03	1749E+05	1674E+05	9789E+04
3301E+03	1109E+03	5782E+03	2537E+05	3165E+05	1625E+05	1550E+03	3119E+03	5782E+03	3179E+04	2192E+05	8369E+04
1113E+03	3679E+03	2062E+03	1130E+05	4575E+04	6979E+04	3388E+03	1815E+03	2062E+03	7473E+04	4664E+04	3203E+04
3701E+02	1333E+02	1059E+02	160E+04	1727E+04	9412E+03	3559E+02	1674E+02	1059E+02	2492E+04	4265E+03	8776E+03
1128E+01	1887E+01	7271E+00	3205E+02	2523E+02	1693E+02	2132E+01	5366E+00	7271E+00	1440E+02	1737E+02	2825E+02
7049E+02	3820E+03	2288E+02	1116E+04	1836E+03	8676E+04	3204E+03	2204E+03	2288E+02	1222E+04	6720E+02	2381E+04
8732E+00	738E+02	3456E+01	1664E+03	5858E+03	7234E+03	1627E+02	1750E+02	3456E+01	4803E+03	1806E+03	4787E+02
2624E+01	1715E+03	2986E+01	100E+03	9471E+02	4833E+04	1232E+03	1194E+03	2986E+01	4365E+02	4321E+02	5909E+03
3116E+01	1745E+03	2877E+01	1070E+03	4463E+03	5066E+04	1210E+03	1257E+03	2877E+01	3539E+03	1478E+03	5297E+03
8797E+01	2562E+03	7993E+01	4250E+03	1233E+03	7504E+04	1749E+03	1874E+03	7993E+01	4818E+03	1179E+02	7641E+03
4995E+01	1332E+02	1663E+01	8184E+02	2749E+03	2840E+03	1246E+02	6382E+01	1663E+01	2304E+03	8362E+02	8324E+02
1017E+02	2221E+02	3661E+02	7334E+03	1297E+04	4023E+03	2290E+02	8512E+01	3661E+02	2254E+03	4122E+03	1703E+03
1435E+02	5956E+03	2249E+01	5484E+00	8330E+00	1505E+01	1436E+02	5934E+03	2249E+01	9518E+01	2613E+00	1509E+01
2337E+02	4597E+02	1002E+02	2784E+03	3226E+03	7947E+03	4903E+02	1598E+02	1062E+02	1045E+03	9133E+02	3599E+03
9580E+01	1603E+02	2340E+01	812E+02	7412E+02	2495E+03	1811E+02	4564E+01	2340E+01	4244E+02	1947E+02	1344E+03
3754E+01	634E+01	983E+00	280E+02	250E+02	9971E+02	7143E+01	1834E+01	983E+00	1602E+02	6375E+01	5279E+02
7478E+02	1055E+03	1492E+02	366E+03	880E+03	1324E+04	1310E+03	1827E+02	1492E+02	1267E+03	1113E+03	9629E+03
5351E+01	1654E+02	2406E+01	1533E+02	1378E+03	3533E+03	1548E+02	7915E+01	2406E+01	5488E+02	3172E+02	1026E+03
3680E+01	694E+01	6870E+00	856E+01	3273E+02	1206E+03	7515E+01	2311E+01	6870E+00	8002E+01	7276E+01	5197E+02
356E+02	448E+02	6757E+01	207E+03	118E+03	5703E+03	5690E+02	6475E+01	6757E+01	1520E+03	1590E+02	3857E+01
1365E+01	6050E+00	7559E+00	1194E+02	363E+02	168E+02	4182E+00	4375E+00	7559E+00	2438E+01	5229E+01	2575E+01
1867E+01	2285E+01	4738E+01	8057E+02	1770E+03	2907E+02	2936E+01	2959E+00	4738E+01	1705E+01	2734E+02	1904E+02
2562E+02	2558E+02	6514E+01	2944E+02	356E+03	2424E+03	3634E+02	1672E+00	6514E+01	1398E+03	6005E+02	2313E+03
1434E+02	1773E+02	1194E+02	2303E+03	394E+03	2320E+03	2268E+02	2400E+01	1194E+02	5118E+02	1433E+02	1433E+03
3063E+02	2564E+02	2958E+01	1155E+03	1168E+02	2509E+03	4190E+02	1408E+01	2958E+01	1149E+03	6733E+01	2566E+03
9139E+01	9548E+01	3963E+01	7418E+02	1250E+03	1030E+03	1321E+02	2888E+00	3963E+01	1632E+02	1471E+02	8036E+02
1590E+01	2302E+01	9080E+00	1140E+02	360E+02	3558E+02	2752E+01	5032E+00	9080E+00	5475E+01	4668E+01	1671E+02
2874E+00	2373E+00	1191E+00	1473E+01	4805E+01	1643E+01	3710E+00	3542E+01	1191E+00	6855E+00	5482E+00	2120E+01

SQUARE ROOT SUM OF THE SQUARES

6023E+03	7389E+03	8529E+03	4331E+05	3676E+05	3595E+05	6023E+03	7389E+03	8529E+03	2054E+05	2634E+05	1569E+05
CLOSELY SPACED MODE SUMMATION METHOD											
9165E+03	9033E+03	1252E+04	6431E+05	5103E+05	5303E+05	9165E+03	9033E+03	1252E+04	2820E+05	4108E+05	2388E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 2 )

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
1708E+01	1342E+01	2126E+01	1506E+03	1761E+02	1073E+02
3994E+01	2357E+01	1641E+02	7053E+03	1251E+03	7995E+02
3088E+03	2916E+03	1575E+03	3525E+04	2612E+04	5575E+04
1094E+03	3735E+03	5681E+03	8019E+04	6129E+04	3536E+04
1109E+03	3301E+03	5782E+03	5633E+04	6489E+03	3597E+04
3679E+03	1113E+03	2062E+03	4706E+04	2022E+04	4572E+04
1333E+02	3701E+02	1059E+02	2203E+04	1123E+04	1244E+03



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 2 )

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.1708E+01	.1342E+01	.2126E+01	-.1506E+03	.1761E+02	-.1073E+02
.3994E+01	.8357E+01	-.1601E+02	.7053E+03	-.1251E+03	-.7995E+02
-.3088E+03	-.2916E+03	-.1575E+03	-.3525E+04	.2512E+04	.5575E+04
-.1094E+03	-.3735E+03	.5681E+03	.8019E+04	-.6129E+04	.3536E+04
-.1109E+03	-.3301E+03	-.5782E+03	.5633E+04	-.6484E+04	.3597E+04
-.3679E+03	.1113E+03	.2062E+03	.4704E+04	-.2022E+04	.4572E+04
.1333E+02	-.3701E+02	.1059E+02	.2203E+04	-.1123E+04	.1244E+03
.1827E+01	-.1128E+01	-.7271E+00	-.7426E+01	-.6725E+00	-.1722E+02
-.3242E+03	.7069E+02	.2288E+02	.1213E+04	-.8858E+02	.5152E+04
-.2388E+02	-.8732E+00	-.3456E+01	.4303E+03	-.3219E+03	.3903E+03
.1715E+03	-.2624E+01	-.2986E+01	-.3966E+02	-.3359E+02	-.2768E+04
.1745E+03	.3316E+01	.2877E+01	-.3168E+03	.2373E+03	-.2935E+04
-.2562E+03	-.8797E+01	-.7693E+01	-.4425E+03	.1067E+03	.4421E+04
-.1332E+02	.4295E+01	-.1663E+01	.2001E+03	-.1567E+03	.1221E+03
.2221E+02	-.1017E+02	-.3661E+02	-.3504E+03	-.7140E+03	-.1394E+03
.5956E+03	-.1435E+02	-.2249E+01	-.1789E+00	-.4634E+00	.2271E+01
-.4597E+02	.2337E+02	-.1062E+02	-.1493E+03	-.1994E+03	.2221E+03
-.1403E+02	.9580E+01	-.2840E+01	-.5367E+02	-.4656E+02	.4092E+02
.6348E+01	-.3754E+01	.9836E+00	.1978E+02	.1546E+02	-.1700E+02
.1055E+03	-.7978E+02	.1492E+02	.2069E+03	.3051E+03	.1646E+03
.1654E+02	-.5351E+01	-.2406E+01	.2952E+02	-.9294E+02	-.1504E+03
-.6948E+01	.3680E+01	.6890E+00	-.1722E+01	.2244E+02	.2646E+02
.4481E+02	-.3566E+02	-.6757E+01	-.1853E+03	-.9626E+02	.1583E+03
.6050E+00	.1365E+01	-.7559E+00	-.4541E+01	-.2208E+02	-.1098E+02
.2285E+01	-.1867E+01	.4738E+01	.4191E+02	.1326E+03	.1024E+02
.2556E+02	-.2502E+02	.6514E+01	-.5548E+02	.2637E+03	.2531E+03
.1773E+02	-.1434E+02	-.1194E+02	-.1569E+03	-.3071E+03	.7930E+02
.2864E+02	-.3063E+02	-.2958E+01	-.1250E+03	-.1760E+02	.3405E+03
-.9548E+01	.9139E+01	.3963E+01	.5338E+02	.1042E+03	-.6461E+02
.2302E+01	-.1590E+01	.9080E+00	.4795E+01	.2946E+02	.3555E+01
.2373E+00	-.2874E+00	-.1191E+00	-.6973E+00	-.3886E+01	.3897E+01

SQUARE ROOT SLX OF THE SQUARES

.7389E+03	.6023E+03	.8529E+03	.1176E+05	.7158E+04	.1185E+05
CLOSELY SPACED MODE SUMMATION METHOD					
.9033E+03	.9165E+03	.1252E+04	.1750E+05	.9808E+04	.1585E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 3 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.1708E+01	.1342E+01	.2126E+01	-.1506E+03	.1761E+02	-.1073E+02	.1708E+01	.1342E+01	.2126E+01	-.1506E+03	.1761E+02	-.1073E+02
.3994E+01	.8357E+01	-.1601E+02	.7053E+03	-.1251E+03	-.7995E+02	.3994E+01	.8357E+01	-.1601E+02	.7053E+03	-.1251E+03	-.7995E+02
-.3088E+03	-.2916E+03	-.1575E+03	-.3525E+04	.2512E+04	.5575E+04	-.3088E+03	-.2916E+03	-.1575E+03	-.3525E+04	.2512E+04	.5575E+04
-.1094E+03	-.3735E+03	.5681E+03	.8019E+04	-.6129E+04	.3536E+04	-.1094E+03	-.3735E+03	.5681E+03	.8019E+04	-.6129E+04	.3536E+04
-.1109E+03	-.3301E+03	-.5782E+03	.5633E+04	-.6484E+04	.3597E+04	-.1109E+03	-.3301E+03	-.5782E+03	.5633E+04	-.6484E+04	.3597E+04
-.3679E+03	.1113E+03	.2062E+03	.4704E+04	-.2022E+04	.4572E+04	-.3679E+03	.1113E+03	.2062E+03	.4704E+04	-.2022E+04	.4572E+04
.1333E+02	-.3701E+02	.1059E+02	.2203E+04	-.1123E+04	.1244E+03	.1333E+02	-.3701E+02	.1059E+02	.2203E+04	-.1123E+04	.1244E+03
.1827E+01	-.1128E+01	-.7271E+00	-.7426E+01	-.6725E+00	-.1722E+02	.1827E+01	-.1128E+01	-.7271E+00	-.7426E+01	-.6725E+00	-.1722E+02
-.3242E+03	.7069E+02	.2288E+02	.1213E+04	-.8858E+02	.5152E+04	-.3242E+03	.7069E+02	.2288E+02	.1213E+04	-.8858E+02	.5152E+04
-.2388E+02	-.8732E+00	-.3456E+01	.4303E+03	-.3219E+03	.3903E+03	-.2388E+02	-.8732E+00	-.3456E+01	.4303E+03	-.3219E+03	.3903E+03
.1715E+03	-.2624E+01	-.2986E+01	-.3966E+02	-.3359E+02	-.2768E+04	.1715E+03	-.2624E+01	-.2986E+01	-.3966E+02	-.3359E+02	-.2768E+04
.1745E+03	.3316E+01	.2877E+01	-.3168E+03	.2373E+03	-.2935E+04	.1745E+03	.3316E+01	.2877E+01	-.3168E+03	.2373E+03	-.2935E+04
-.2562E+03	-.8797E+01	-.7693E+01	-.4425E+03	.1067E+03	.4421E+04	-.2562E+03	-.8797E+01	-.7693E+01	-.4425E+03	.1067E+03	.4421E+04
-.1332E+02	.4295E+01	-.1663E+01	.2001E+03	-.1567E+03	.1221E+03	-.1332E+02	.4295E+01	-.1663E+01	.2001E+03	-.1567E+03	.1221E+03
.2221E+02	-.1017E+02	-.3661E+02	-.3504E+03	-.7140E+03	-.1394E+03	.2221E+02	-.1017E+02	-.3661E+02	-.3504E+03	-.7140E+03	-.1394E+03
.5956E+03	-.1435E+02	-.2249E+01	-.1789E+00	-.4634E+00	.2271E+01	.5956E+03	-.1435E+02	-.2249E+01	-.1789E+00	-.4634E+00	.2271E+01
-.4597E+02	.2337E+02	-.1062E+02	-.1493E+03	-.1994E+03	.2221E+03	-.4597E+02	.2337E+02	-.1062E+02	-.1493E+03	-.1994E+03	.2221E+03
-.1403E+02	.9580E+01	-.2840E+01	-.5367E+02	-.4656E+02	.4092E+02	-.1403E+02	.9580E+01	-.2840E+01	-.5367E+02	-.4656E+02	.4092E+02
.6348E+01	-.3754E+01	.9836E+00	.1978E+02	.1546E+02	-.1700E+02	.6348E+01	-.3754E+01	.9836E+00	.1978E+02	.1546E+02	-.1700E+02
.1055E+03	-.7978E+02	.1492E+02	.2069E+03	.3051E+03	.1646E+03	.1055E+03	-.7978E+02	.1492E+02	.2069E+03	.3051E+03	.1646E+03
.1654E+02	-.5351E+01	-.2406E+01	.2952E+02	-.9294E+02	-.1504E+03	.1654E+02	-.5351E+01	-.2406E+01	.2952E+02	-.9294E+02	-.1504E+03
-.6948E+01	.3680E+01	.6890E+00	-.1722E+01	.2244E+02	.2646E+02	-.6948E+01	.3680E+01	.6890E+00	-.1722E+01	.2244E+02	.2646E+02
.4481E+02	-.3566E+02	-.6757E+01	-.1853E+03	-.9626E+02	.1583E+03	.4481E+02	-.3566E+02	-.6757E+01	-.1853E+03	-.9626E+02	.1583E+03
.6050E+00	.1365E+01	-.7559E+00	-.4541E+01	-.2208E+02	-.1098E+02	.6050E+00	.1365E+01	-.7559E+00	-.4541E+01	-.2208E+02	-.1098E+02
.2285E+01	-.1867E+01	.4738E+01	.4191E+02	.1326E+03	.1024E+02	.2285E+01	-.1867E+01	.4738E+01	.4191E+02	.1326E+03	.1024E+02
.2556E+02	-.2502E+02	.6514E+01	-.5548E+02	.2637E+03	.2531E+03	.2556E+02	-.2502E+02	.6514E+01	-.5548E+02	.2637E+03	.2531E+03
.1773E+02	-.1434E+02	-.1194E+02	-.1569E+03	-.3071E+03	.7930E+02	.1773E+02	-.1434E+02	-.1194E+02	-.1569E+03	-.3071E+03	.7930E+02
.2864E+02	-.3063E+02	-.2958E+01	-.1250E+03	-.1760E+02	.3405E+03	.2864E+02	-.3063E+02	-.2958E+01	-.1250E+03	-.1760E+02	.3405E+03
-.9548E+01	.9139E+01	.3963E+01	.5338E+02	.1042E+03	-.6461E+02	-.9548E+01	.9139E+01	.3963E+01	.5338E+02	.1042E+03	-.6461E+02
.2302E+01	-.1590E+01	.9080E+00	.4795E+01	.2946E+02	.3555E+01	.2302E+01	-.1590E+01	.9080E+00	.4795E+01	.2946E+02	.3555E+01



1.05E+03	-7978E+02	1.492E+02	8.9E+03	3.051E+03	1.646E+03	1.055E+03	-797E+02	1.492E+02	2.089E+03	8.670E+03	3.276E+03
1.654E+02	-5351E+01	-2.406E+01	2.952E+02	-9.294E+02	-1.504E+03	1.654E+02	-5351E+01	-2.406E+01	2.952E+02	-9.294E+02	1.582E+03
9.48E+01	3.680E+01	6.890E+00	-1.722E+01	2.244E+02	2.646E+02	9.48E+01	3.680E+01	6.890E+00	-1.722E+01	2.244E+02	1.171E+03
8.1E+02	-3.566E+02	-6.757E+01	-1.853E+03	9.026E+02	1.583E+03	8.1E+02	-3.566E+02	-6.757E+01	-1.853E+03	9.026E+02	1.549E+03
5.50E+00	1.365E+01	-7.559E+00	-4.541E+01	-2.298E+02	-1.098E+02	5.50E+00	1.365E+01	-7.559E+00	-4.541E+01	-2.298E+02	1.152E+02
2.285E+01	-1.867E+01	4.738E+01	4.191E+02	1.326E+03	1.024E+02	2.285E+01	-1.867E+01	4.738E+01	4.191E+02	1.326E+03	8.304E+02
2.558E+02	-2.582E+02	6.514E+01	-5.548E+02	2.037E+03	2.531E+03	2.558E+02	-2.582E+02	6.514E+01	-5.548E+02	2.037E+03	1.260E+04
1.773E+02	-1.434E+02	-1.194E+02	-1.569E+03	-3.071E+03	7.930E+02	1.773E+02	-1.434E+02	-1.194E+02	-1.569E+03	-3.071E+03	6.386E+03
2.864E+02	-3.063E+02	-2.958E+01	-1.250E+03	-1.706E+02	3.405E+03	2.864E+02	-3.063E+02	-2.958E+01	-1.250E+03	-1.706E+02	1.535E+04
-9.548E+01	4.139E+01	3.963E+01	5.336E+02	1.042E+03	-2.461E+02	-9.548E+01	4.139E+01	3.963E+01	5.336E+02	1.042E+03	2.587E+03
2.302E+01	-1.590E+01	9.080E+00	4.795E+01	2.906E+02	3.555E+01	2.302E+01	-1.590E+01	9.080E+00	4.795E+01	2.906E+02	6.557E+02
2.373E+00	-2.874E+00	-1.191E+00	-6.973E+00	-3.886E+01	3.897E+01	2.373E+00	-2.874E+00	-1.191E+00	-6.973E+00	-3.886E+01	1.511E+02

SQUARE ROOT SLN OF THE SQUARES

7.384E+03	6.023E+03	8.529E+03	1.176E+05	7.158E+04	1.185E+05	7.384E+03	6.023E+03	8.529E+03	1.176E+05	7.158E+04	1.185E+05
9.633E+03	9.165E+03	1.252E+04	1.750E+05	9.808E+04	1.585E+05	9.633E+03	9.165E+03	1.252E+04	1.750E+05	9.808E+04	1.585E+05

ELEMENT TYPE (3/D P I P E

) / / / ELEMENT NUMBER ( 4)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
1.642E+01	1.157E+01	1.791E+01	-1.506E+03	1.005E+03	-6.306E+02	1.642E+01	1.157E+01	1.791E+01	-1.506E+03	1.005E+03	-6.306E+02
3.353E+01	6.513E+01	1.155E+02	-7.053E+03	-7.052E+03	-4.059E+03	3.353E+01	6.513E+01	1.155E+02	-7.053E+03	-7.052E+03	-4.059E+03
-2.2621E+03	-1.729E+03	-1.078E+03	-3.525E+04	-3.529E+04	1.695E+05	-2.2621E+03	-1.729E+03	-1.078E+03	-3.525E+04	-3.529E+04	1.695E+05
-5.667E+02	-2.192E+03	3.503E+03	8.019E+04	1.603E+05	1.810E+05	-5.667E+02	-2.192E+03	3.503E+03	8.019E+04	1.603E+05	1.810E+05
-5.881E+02	-1.808E+03	-2.888E+03	5.633E+04	-2.320E+05	1.647E+05	-5.881E+02	-1.808E+03	-2.888E+03	5.633E+04	-2.320E+05	1.647E+05
-3.562E+03	8.645E+02	1.116E+03	4.704E+04	6.026E+04	2.330E+03	-3.562E+03	8.645E+02	1.116E+03	4.704E+04	6.026E+04	2.330E+03
1.922E+02	1.641E+02	1.329E+02	2.203E+04	7.103E+03	1.922E+02	1.641E+02	1.329E+02	2.203E+04	7.103E+03	1.922E+02	1.641E+02
1.017E+01	-6.556E+00	-3.144E+00	-7.086E+01	-2.903E+02	2.679E+02	1.017E+01	-6.556E+00	-3.144E+00	-7.086E+01	-2.903E+02	2.679E+02
-3.532E+03	6.540E+02	2.023E+02	1.213E+04	8.039E+03	2.395E+04	-3.532E+03	6.540E+02	2.023E+02	1.213E+04	8.039E+03	2.395E+04
-1.659E+02	4.319E+01	2.712E+01	5.303E+03	-4.567E+03	4.244E+03	-1.659E+02	4.319E+01	2.712E+01	5.303E+03	-4.567E+03	4.244E+03
1.353E+03	-2.745E+02	-0.510E+00	-3.966E+02	-1.500E+03	-2.666E+04	1.353E+03	-2.745E+02	-0.510E+00	-3.966E+02	-1.500E+03	-2.666E+04
1.315E+03	-2.973E+02	-3.182E+01	-3.168E+03	3.495E+03	-3.064E+04	1.315E+03	-2.973E+02	-3.182E+01	-3.168E+03	3.495E+03	-3.064E+04
-1.901E+03	4.232E+02	-0.418E+01	-4.425E+03	-1.700E+03	-7.644E+04	-1.901E+03	4.232E+02	-0.418E+01	-4.425E+03	-1.700E+03	-7.644E+04
-1.676E+02	3.662E+01	2.699E+01	-2.001E+03	-2.216E+03	-0.538E+02	-1.676E+02	3.662E+01	2.699E+01	-2.001E+03	-2.216E+03	-0.538E+02
1.841E+02	-5.148E+01	8.662E+01	-3.504E+03	-2.102E+04	2.573E+03	1.841E+02	-5.148E+01	8.662E+01	-3.504E+03	-2.102E+04	2.573E+03
1.023E-02	-3.110E-04	6.165E-02	-1.789E+00	1.346E+01	7.867E-01	1.023E-02	-3.110E-04	6.165E-02	-1.789E+00	1.346E+01	7.867E-01
-3.650E+02	8.302E+01	4.096E+01	-1.493E+03	-0.136E+03	-6.894E+03	-3.650E+02	8.302E+01	4.096E+01	-1.493E+03	-0.136E+03	-6.894E+03
-1.327E+02	2.245E+01	1.055E+01	-5.367E+02	-1.573E+03	-3.327E+03	-1.327E+02	2.245E+01	1.055E+01	-5.367E+02	-1.573E+03	-3.327E+03
5.207E+01	-8.829E+00	-3.545E+00	1.978E+02	5.382E+02	1.294E+03	5.207E+01	-8.829E+00	-3.545E+00	1.978E+02	5.382E+02	1.294E+03
9.637E+02	-5.902E+01	-8.091E+01	2.089E+03	6.676E+03	3.276E+04	9.637E+02	-5.902E+01	-8.091E+01	2.089E+03	6.676E+03	3.276E+04
8.729E+01	-3.653E+01	2.667E+01	2.957E+02	-1.808E+03	5.823E+02	8.729E+01	-3.653E+01	2.667E+01	2.957E+02	-1.808E+03	5.823E+02
-4.698E+01	7.972E+00	-7.291E+00	-1.722E+01	4.931E+02	-1.171E+03	-4.698E+01	7.972E+00	-7.291E+00	-1.722E+01	4.931E+02	-1.171E+03
3.724E+02	5.081E+01	4.293E+01	-1.853E+03	-3.598E+03	1.549E+04	3.724E+02	5.081E+01	4.293E+01	-1.853E+03	-3.598E+03	1.549E+04
-8.182E-01	-3.008E+00	9.567E+00	-4.541E+01	-5.156E+02	-1.152E+02	-8.182E-01	-3.008E+00	9.567E+00	-4.541E+01	-5.156E+02	-1.152E+02
1.782E+01	6.743E+00	-6.362E+01	4.191E+02	3.174E+03	8.304E+02	1.782E+01	6.743E+00	-6.362E+01	4.191E+02	3.174E+03	8.304E+02
2.574E+02	1.100E+02	-1.293E+02	-5.548E+02	5.177E+03	1.260E+04	2.574E+02	1.100E+02	-1.293E+02	-5.548E+02	5.177E+03	1.260E+04
1.263E+02	4.432E+01	1.637E+02	-1.569E+03	-7.728E+03	6.386E+03	1.263E+02	4.432E+01	1.637E+02	-1.569E+03	-7.728E+03	6.386E+03
3.042E+02	1.689E+02	1.577E+01	-1.250E+03	1.336E+03	1.535E+04	3.042E+02	1.689E+02	1.577E+01	-1.250E+03	1.336E+03	1.535E+04
-8.281E+01	-4.682E+01	-6.201E+01	5.338E+02	2.587E+03	-4.410E+03	-8.281E+01	-4.682E+01	-6.201E+01	5.338E+02	2.587E+03	-4.410E+03
8.165E+00	4.825E+00	-1.206E+01	4.795E+01	6.487E+02	6.557E+02	8.165E+00	4.825E+00	-1.206E+01	4.795E+01	6.487E+02	6.557E+02
3.038E+00	2.309E+00	2.582E+00	-6.973E+00	-8.531E+01	1.511E+02	3.038E+00	2.309E+00	2.582E+00	-6.973E+00	-8.531E+01	1.511E+02

SQUARE ROOT SLN OF THE SQUARES

6.435E+03	3.561E+03	4.813E+03	1.176E+05	2.921E+05	3.086E+05	6.435E+03	3.561E+03	4.813E+03	1.176E+05	2.921E+05	3.086E+05
7.497E+03	5.382E+03	7.164E+03	1.750E+05	4.148E+05	4.710E+05	7.497E+03	5.382E+03	7.164E+03	1.750E+05	4.148E+05	4.710E+05

ELEMENT TYPE (3/D P I P E

) / / / ELEMENT NUMBER ( 5)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
1.605E+01	9.612E+00	1.502E+01	-1.506E+03	2.509E+03	-1.002E+03	1.605E+01	9.612E+00	1.502E+01	-1.506E+03	2.509E+03	-1.002E+03
2.999E+01	4.657E+01	-7.443E+01	-7.053E+03	-1.735E+04	-9.530E+03	2.999E+01	4.657E+01	-7.443E+01	-7.053E+03	-1.735E+04	-9.530E+03
-2.361E+03	-5.821E+02	-5.740E+02	-3.525E+04	-1.258E+05	3.147E+05	-2.361E+03	-5.821E+02	-5.740E+02	-3.525E+04	-1.258E+05	3.147E+05
-2.760E+02	-6.546E+02	1.412E+03	8.019E+04	4.545E+05	3.651E+05	-2.760E+02	-6.546E+02	1.412E+03	8.019E+04	4.545E+05	3.651E+05
-3.010E+02	-3.370E+02	-3.877E+02	5.633E+04	-4.746E+05	3.168E+05	-3.010E+02	-3.370E+02	-3.877E+02	5.633E+04	-4.746E+05	3.168E+05
-3.489E+03	4.666E+02	2.117E+02	4.704E+04	1.539E+05	7.029E+04	-3.489E+03	4.666E+02	2.117E+02	4.704E+04	1.539E+05	7.029E+04
2.241E+02	4.468E+01	9.514E+01	2.263E+04	4.602E+03	2.241E+02	4.468E+01	9.514E+01	2.263E+04	4.602E+03	2.241E+02	4.468E+01
1.028E+01	-1.045E+00	3.018E-01	-7.486E+01	-5.544E+02	8.186E+02	1.028E+01	-1.045E+00	3.018E-01	-7.486E+01	-5.544E+02	8.186E+02
-3.359E+03	3.562E+02	1.870E+02	1.213E+04	2.503E+04	-3.098E+04	-3.359E+03	3.562E+02	1.870E+02	1.213E+04	2.503E+04	-3.098E+04
-1.557E+02	-0.336E+01	3.739E+01	4.303E+03	-2.268E+03	6.157E+02	-1.557E+02	-0.336E+01	3.739E+01	4.303E+03	-2.268E+03	6.157E+02









2585E+02	1228E+00	6839E+00	53E+03	3741E+03	2667E+03	2585E+02	1228E+00	6839E+00	53E+03	3741E+03	2667E+03	2585E+02	1228E+00	6839E+00	53E+03	3741E+03	2667E+03	2585E+02	1228E+00	6839E+00	53E+03	3741E+03	2667E+03
-7760E+00	2296E+00	-5708E+00	-4541E+01	6795E+02	1796E+02	-7760E+00	2296E+00	-5708E+00	-4541E+01	6795E+02	1796E+02	-7760E+00	2296E+00	-5708E+00	-4541E+01	6795E+02	1796E+02	-7760E+00	2296E+00	-5708E+00	-4541E+01	6795E+02	1796E+02
552E+01	2938E+00	4400E+01	4191E+02	-418E+03	-6120E+02	552E+01	2938E+00	4400E+01	4191E+02	-418E+03	-6120E+02	552E+01	2938E+00	4400E+01	4191E+02	-418E+03	-6120E+02	552E+01	2938E+00	4400E+01	4191E+02	-418E+03	-6120E+02
250E+02	-1301E+01	1089E+02	-3548E+02	-7224E+03	1069E+04	250E+02	-1301E+01	1089E+02	-3548E+02	-7224E+03	1069E+04	250E+02	-1301E+01	1089E+02	-3548E+02	-7224E+03	1069E+04	250E+02	-1301E+01	1089E+02	-3548E+02	-7224E+03	1069E+04
677E+01	5100E+00	-1285E+02	-1569E+03	9616E+03	-5146E+03	677E+01	5100E+00	-1285E+02	-1569E+03	9616E+03	-5146E+03	677E+01	5100E+00	-1285E+02	-1569E+03	9616E+03	-5146E+03	677E+01	5100E+00	-1285E+02	-1569E+03	9616E+03	-5146E+03
2743E+02	-8202E+01	-7917E+00	-1250E+03	1289E+03	-1386E+04	2743E+02	-8202E+01	-7917E+00	-1250E+03	1289E+03	-1386E+04	2743E+02	-8202E+01	-7917E+00	-1250E+03	1289E+03	-1386E+04	2743E+02	-8202E+01	-7917E+00	-1250E+03	1289E+03	-1386E+04
-5624E+01	2367E+01	-5545E+01	5338E+02	2975E+03	-3949E+03	-5624E+01	2367E+01	-5545E+01	5338E+02	2975E+03	-3949E+03	-5624E+01	2367E+01	-5545E+01	5338E+02	2975E+03	-3949E+03	-5624E+01	2367E+01	-5545E+01	5338E+02	2975E+03	-3949E+03
-8320E+00	-1612E+00	1687E+01	4795E+01	-7121E+02	-5724E+02	-8320E+00	-1612E+00	1687E+01	4795E+01	-7121E+02	-5724E+02	-8320E+00	-1612E+00	1687E+01	4795E+01	-7121E+02	-5724E+02	-8320E+00	-1612E+00	1687E+01	4795E+01	-7121E+02	-5724E+02
3671E+00	-1910E+00	-2472E+00	-6973E+00	7666E+01	-1319E+02	3671E+00	-1910E+00	-2472E+00	-6973E+00	7666E+01	-1319E+02	3671E+00	-1910E+00	-2472E+00	-6973E+00	7666E+01	-1319E+02	3671E+00	-1910E+00	-2472E+00	-6973E+00	7666E+01	-1319E+02

SQUARE ROOT SUM OF THE SQUARES

5514E+03	1736E+03	2350E+03	1176E+05	8051E+05	6081E+05	5514E+03	1736E+03	2350E+03	1176E+05	8051E+05	6081E+05	5514E+03	1736E+03	2350E+03	1176E+05	8051E+05	6081E+05	5514E+03	1736E+03	2350E+03	1176E+05	8051E+05	6081E+05
CLOSELY SPACED MODE SUMMATION METHOD						CLOSELY SPACED MODE SUMMATION METHOD						CLOSELY SPACED MODE SUMMATION METHOD						CLOSELY SPACED MODE SUMMATION METHOD					
6028E+03	2557E+03	2968E+03	1750E+05	1197E+06	1025E+06	6028E+03	2557E+03	2968E+03	1750E+05	1197E+06	1025E+06	6028E+03	2557E+03	2968E+03	1750E+05	1197E+06	1025E+06	6028E+03	2557E+03	2968E+03	1750E+05	1197E+06	1025E+06

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 7)

PX(I)	VY(J)	VZ(J)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
1531E+01	4671E+00	8800E+00	-1506E+03	5159E+03	-3212E+03	1531E+01	4671E+00	8800E+00	-1506E+03	5159E+03	-3212E+03
2291E+01	8448E+00	6984E+00	7053E+03	-2541E+04	-1584E+04	2291E+01	8448E+00	6984E+00	7053E+03	-2541E+04	-1584E+04
-1838E+03	1851E+03	5615E+02	-3525E+04	-1389E+05	2008E+05	-1838E+03	1851E+03	5615E+02	-3525E+04	-1389E+05	2008E+05
3000E+02	2643E+03	-3101E+03	8019E+04	1672E+05	5493E+04	3000E+02	2643E+03	-3101E+03	8019E+04	1672E+05	5493E+04
2682E+02	2794E+03	4721E+03	5633E+04	-5401E+04	8078E+04	2682E+02	2794E+03	4721E+03	5633E+04	-5401E+04	8078E+04
-3322E+03	-5511E+02	-1638E+03	4704E+04	1625E+04	-7200E+04	-3322E+03	-5511E+02	-1638E+03	4704E+04	1625E+04	-7200E+04
2652E+02	5046E+02	-8532E+01	2203E+04	3716E+03	-4940E+04	2652E+02	5046E+02	-8532E+01	2203E+04	3716E+03	-4940E+04
1933E+01	1130E+01	5963E+00	-7486E+01	8979E+01	-1700E+02	1933E+01	1130E+01	5963E+00	-7486E+01	8979E+01	-1700E+02
-2983E+03	-6274E+02	4403E+02	1213E+04	8576E+04	-1437E+04	-2983E+03	-6274E+02	4403E+02	1213E+04	8576E+04	-1437E+04
-9319E+01	8983E+01	-3875E+01	4303E+03	-2565E+03	-1979E+04	-9319E+01	8983E+01	-3875E+01	4303E+03	-2565E+03	-1979E+04
7106E+02	1376E+02	1356E+01	-3966E+02	1060E+03	1737E+04	7106E+02	1376E+02	1356E+01	-3966E+02	1060E+03	1737E+04
5587E+02	5961E+01	-2439E+01	-3188E+03	-7351E+03	2980E+04	5587E+02	5961E+01	-2439E+01	-3188E+03	-7351E+03	2980E+04
-7422E+02	-2775E+02	3052E+00	-4425E+03	-4567E+03	-2101E+04	-7422E+02	-2775E+02	3052E+00	-4425E+03	-4567E+03	-2101E+04
-5988E+01	5446E+01	3209E+00	2001E+03	4178E+03	-9837E+03	-5988E+01	5446E+01	3209E+00	2001E+03	4178E+03	-9837E+03
1691E+02	-1393E+01	-6581E+01	-3504E+03	1332E+04	4613E+03	1691E+02	-1393E+01	-6581E+01	-3504E+03	1332E+04	4613E+03
1784E+02	9669E+04	-3862E+02	-1789E+00	9448E+00	-4635E+01	1784E+02	9669E+04	-3862E+02	-1789E+00	9448E+00	-4635E+01
-1768E+02	-2840E+01	-2779E+01	-1493E+03	4965E+03	3077E+03	-1768E+02	-2840E+01	-2779E+01	-1493E+03	4965E+03	3077E+03
-7395E+01	-8240E+00	-9754E+00	-5367E+02	1046E+03	2514E+03	-7395E+01	-8240E+00	-9754E+00	-5367E+02	1046E+03	2514E+03
2802E+01	3393E+00	3334E+00	1978E+02	1568E+02	-1024E+01	2802E+01	3393E+00	3334E+00	1978E+02	1568E+02	-1024E+01
6978E+02	-5005E+00	1014E+02	2069E+03	-2296E+03	-2865E+04	6978E+02	-5005E+00	1014E+02	2069E+03	-2296E+03	-2865E+04
-4924E+01	2095E+01	-3267E+01	2952E+02	-3242E+02	-1924E+03	-4924E+01	2095E+01	-3267E+01	2952E+02	-3242E+02	-1924E+03
-4237E+00	-1578E+00	7781E+00	-1722E+01	2265E+01	1379E+03	-4237E+00	-1578E+00	7781E+00	-1722E+01	2265E+01	1379E+03
1791E+02	-1322E+02	-4684E+01	-1853E+03	1661E+02	-8038E+03	1791E+02	-1322E+02	-4684E+01	-1853E+03	1661E+02	-8038E+03
-1136E+01	2215E+00	-9229E+00	-4541E+01	-3154E+02	-1208E+02	-1136E+01	2215E+00	-9229E+00	-4541E+01	-3154E+02	-1208E+02
5598E+00	-1030E+01	5266E+01	4191E+02	2278E+03	-1215E+02	5598E+00	-1030E+01	5266E+01	4191E+02	2278E+03	-1215E+02
1897E+02	-1771E+02	8791E+01	-5548E+02	5651E+03	1976E+03	1897E+02	-1771E+02	8791E+01	-5548E+02	5651E+03	1976E+03
1205E+01	-9146E+01	-1220E+02	-1569E+03	-7071E+03	6051E+02	1205E+01	-9146E+01	-1220E+02	-1569E+03	-7071E+03	6051E+02
2340E+02	-2283E+02	-1808E+01	1250E+03	4425E+02	6608E+03	2340E+02	-2283E+02	-1808E+01	1250E+03	4425E+02	6608E+03
-3574E+01	6635E+01	3171E+01	5338E+02	2830E+03	-2047E+03	-3574E+01	6635E+01	3171E+01	5338E+02	2830E+03	-2047E+03
-1721E+01	-1075E+01	4410E+00	4795E+01	7051E+02	2509E+02	-1721E+01	-1075E+01	4410E+00	4795E+01	7051E+02	2509E+02
2750E+00	-1742E+00	-9103E+02	-6973E+00	-8798E+01	-4714E+00	2750E+00	-1742E+00	-9103E+02	-6973E+00	-8798E+01	-4714E+00

SQUARE ROOT SUM OF THE SQUARES

5059E+03	4405E+03	5929E+03	1176E+05	6782E+05	5697E+05	5059E+03	4405E+03	5929E+03	1176E+05	6782E+05	5697E+05	5059E+03	4405E+03	5929E+03	1176E+05	6782E+05	5697E+05	5059E+03	4405E+03	5929E+03	1176E+05	6782E+05	5697E+05
CLOSELY SPACED MODE SUMMATION METHOD						CLOSELY SPACED MODE SUMMATION METHOD						CLOSELY SPACED MODE SUMMATION METHOD						CLOSELY SPACED MODE SUMMATION METHOD					
5551E+03	6688E+03	8262E+03	1750E+05	1016E+06	8687E+05	5551E+03	6688E+03	8262E+03	1750E+05	1016E+06	8687E+05	5551E+03	6688E+03	8262E+03	1750E+05	1016E+06	8687E+05	5551E+03	6688E+03	8262E+03	1750E+05	1016E+06	8687E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 8)

PX(I)	VY(J)	VZ(J)	TX(I)	MY(J)	MZ(J)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
1531E+01	4671E+00	8800E+00	-1506E+03	5159E+03	-3212E+03	1531E+01	4671E+00	8800E+00	-1506E+03	5159E+03	-3212E+03
2291E+01	8448E+00	6984E+00	7053E+03	-2541E+04	-1584E+04	2291E+01	8448E+00	6984E+00	7053E+03	-2541E+04	-1584E+04
-1838E+03	1851E+03	5615E+02	-3525E+04	-1389E+05	2008E+05	-1838E+03	1851E+03	5615E+02	-3525E+04	-1389E+05	2008E+05
3000E+02	2643E+03	-3101E+03	8019E+04	1672E+05	5493E+04	3000E+02	2643E+03	-3101E+03	8019E+04	1672E+05	5493E+04
2682E+02	2794E+03	4721E+03	5633E+04	-5401E+04	8078E+04	2682E+02	2794E+03	4721E+03	5633E+04	-5401E+04	8078E+04
-3322E+03	-5511E+02	-1638E+03	4704E+04	1625E+04	-7200E+04	-3322E+03	-5511E+02	-1638E+03	4704E+04	1625E+04	-7200E+04
2652E+02	5046E+02	-8532E+01	2203E+04	3716E+03	-4940E+04	2652E+02	5046E+02	-8532E+01	2203E+04	3716E+03	-4940E+04
1933E+01	1130E+01	5963E+00	-7486E+01	8979E+01	-1700E+02	1933E+01	1130E+01	5963E+00	-7486E+01	8979E+01	-1700E+02
-2983E+03	-6274E+02	4403E+02	1213E+04	8576E+04	-1437E+04	-2983E+03	-6274E+02	4403E+02	1213E+04	8	



1851E+03	1851E+03	5615E+02	255E+04	1380E+05	2008E+05	1638E+03	187E+03	5615E+02	3525E+04	1119E+05	1120E+05
3000E+02	2643E+03	3101E+03	8019E+04	3161E+05	1818E+05	3000E+02	263E+03	3101E+03	8019E+04	1172E+05	5493E+04
2682E+02	2794E+03	4721E+03	5633E+04	5401E+05	8078E+04	2682E+02	2794E+03	4721E+03	5633E+04	1726E+05	5335E+04
322E+03	5511E+02	1638E+03	4704E+04	1625E+04	7200E+04	322E+03	5511E+02	1638E+03	4704E+04	6239E+04	6555E+04
252E+02	5046E+02	8532E+01	2203E+04	7811E+03	2517E+04	252E+02	5046E+02	8532E+01	2203E+04	3716E+03	4940E+04
1933E+01	1130E+01	5963E+00	7486E+01	8970E+01	1700E+02	1933E+01	1130E+01	5963E+00	7486E+01	7046E+02	7124E+02
2983E+03	6274E+02	4403E+02	1213E+04	8576E+04	1437E+04	2983E+03	6274E+02	4403E+02	1213E+04	1069E+05	1574E+04
9319E+01	8983E+01	3875E+01	4303E+03	7055E+02	1547E+04	9319E+01	8983E+01	3875E+01	4303E+03	2505E+03	1979E+04
7106E+02	1376E+02	1356E+01	3966E+02	1050E+03	1737E+04	7106E+02	1376E+02	1356E+01	3966E+02	1731E+03	1077E+04
5587E+02	5961E+01	2439E+01	3166E+03	7351E+03	2980E+04	5587E+02	5961E+01	2439E+01	3166E+03	8522E+03	2694E+04
7422E+02	2775E+02	3052E+00	4425E+03	4567E+03	2101E+04	7422E+02	2775E+02	3052E+00	4425E+03	4420E+03	7693E+03
5988E+01	5406E+01	3209E+00	2001E+03	4178E+03	5637E+03	5988E+01	5406E+01	3209E+00	2001E+03	4332E+03	1245E+04
1091E+02	1393E+01	6581E+01	3504E+03	1332E+04	4813E+03	1091E+02	1393E+01	6581E+01	3504E+03	1010E+04	5482E+03
1784E+02	9669E+04	3862E+02	1749E+00	9446E+00	4635E+01	1784E+02	9669E+04	3862E+02	1749E+00	7594E+00	5100E+01
1768E+02	2840E+01	2779E+01	1453E+03	0985E+03	3077E+03	1768E+02	2840E+01	2779E+01	1453E+03	3652E+03	4400E+03
7395E+01	2240E+00	9754E+00	5367E+02	1046E+03	2514E+03	7395E+01	2240E+00	9754E+00	5367E+02	5782E+02	2910E+03
2602E+01	3393E+00	3334E+00	1978E+02	3568E+02	1624E+03	2602E+01	3393E+00	3334E+00	1978E+02	1968E+02	1166E+03
6978E+02	5065E+00	1014E+02	2089E+03	2290E+03	2785E+04	6978E+02	5065E+00	1014E+02	2089E+03	2571E+03	2861E+04
4924E+01	2095E+01	3267E+01	2952E+02	3242E+02	1924E+03	4924E+01	2095E+01	3267E+01	2952E+02	1893E+03	2929E+03
4237E+00	1578E+00	7781E+00	1727E+01	2765E+01	1379E+03	4237E+00	1578E+00	7781E+00	1727E+01	3962E+02	1455E+03
1791E+02	1322E+02	4684E+01	1853E+03	1661E+02	8638E+03	1791E+02	1322E+02	4684E+01	1853E+03	2082E+03	1695E+03
1136E+01	2215E+00	9224E+00	4541E+01	3154E+02	1208E+02	1136E+01	2215E+00	9224E+00	4541E+01	7583E+02	2271E+02
5598E+00	1030E+01	5280E+01	4191E+02	2278E+03	1215E+02	5598E+00	1030E+01	5280E+01	4191E+02	4806E+03	3730E+02
1897E+02	1771E+02	8741E+01	5546E+02	5851E+03	1976E+03	1897E+02	1771E+02	8741E+01	5546E+02	1509E+03	1293E+04
1205E+01	9146E+01	1220E+02	1569E+03	7071E+03	6651E+02	1205E+01	9146E+01	1220E+02	1569E+03	1250E+03	1310E+03
2340E+02	2283E+02	1808E+01	1234E+03	4425E+02	6808E+03	2340E+02	2283E+02	1808E+01	1234E+03	5338E+02	4353E+03
3574E+01	6635E+01	3171E+01	5338E+02	2830E+03	2047E+03	3574E+01	6635E+01	3171E+01	5338E+02	4745E+01	9168E+02
1721E+01	1075E+01	4410E+00	4795E+01	7051E+02	2509E+02	1721E+01	1075E+01	4410E+00	4795E+01	9168E+02	7669E+02
2750E+00	1742E+00	9103E+02	6973E+00	9404E+01	1113E+02	2750E+00	1742E+00	9103E+02	6973E+00	9841E+01	1949E+02

SQUARE ROOT SUM OF THE SQUARES

5059E+03	4405E+03	5929E+03	1176E+05	3618E+05	2986E+05	5059E+03	4405E+03	5929E+03	1176E+05	2947E+05	1620E+05
5551E+03	6688E+03	8262E+03	1750E+05	5033E+05	4453E+05	5551E+03	6688E+03	8262E+03	1750E+05	4279E+05	2203E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 9 )

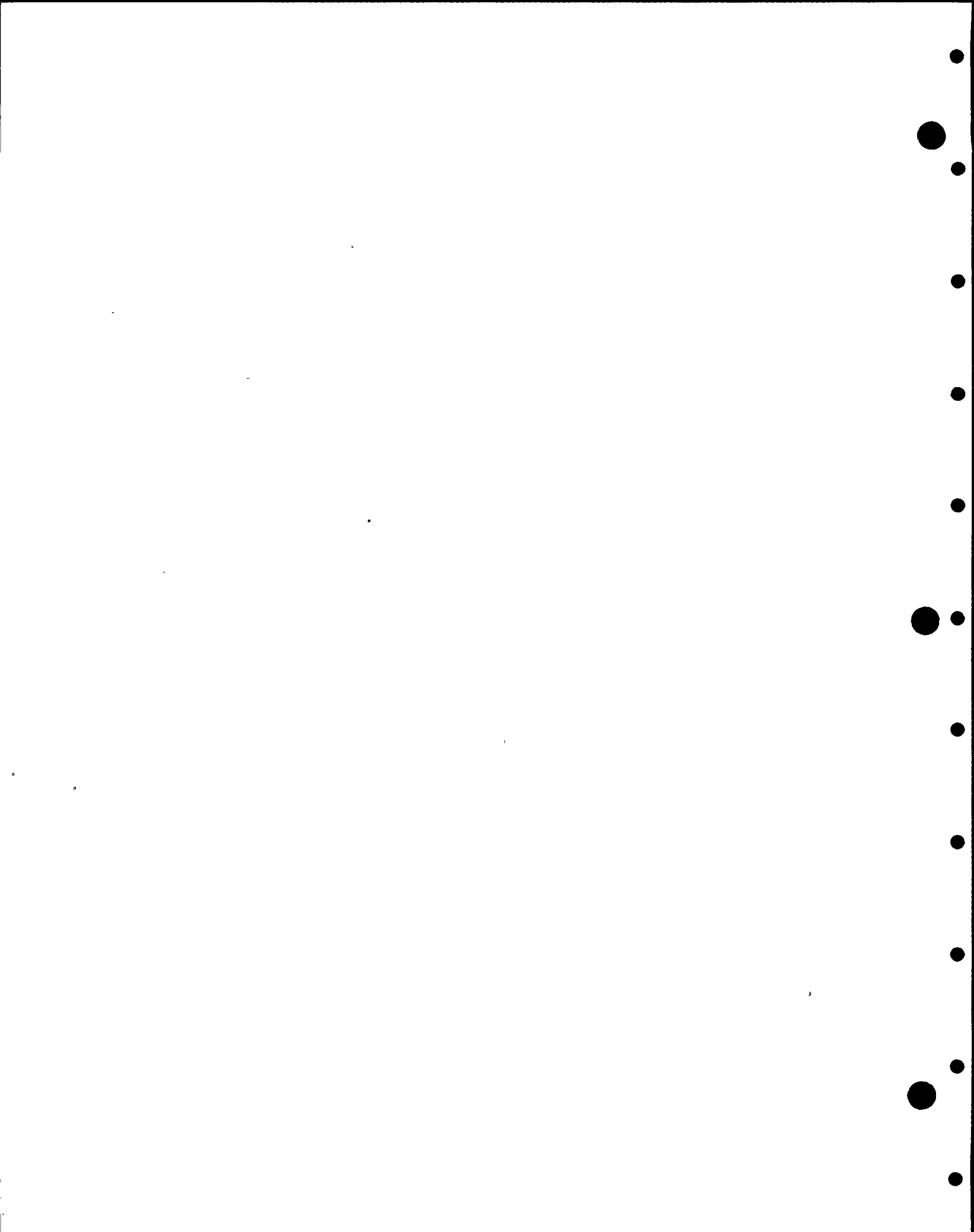
PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
1493E+01	3270E+00	8095E+00	1500E+03	5581E+03	3438E+03	1493E+01	3270E+00	8095E+00	1500E+03	5970E+03	3593E+03
1935E+01	1081E+01	9818E+00	7053E+03	2508E+04	1624E+04	1935E+01	1081E+01	9818E+00	7053E+03	2460E+04	1670E+04
1573E+03	2294E+03	7556E+02	3525E+04	1119E+05	1120E+05	1573E+03	2294E+03	7556E+02	3525E+04	7565E+04	1824E+03
5863E+02	3293E+03	3937E+03	8019E+04	1672E+05	5493E+04	5863E+02	3293E+03	3937E+03	8019E+04	2173E+04	1032E+05
5511E+02	3510E+03	6000E+03	5633E+04	1720E+05	5335E+04	5511E+02	3510E+03	6000E+03	5633E+04	4606E+05	2218E+05
3225E+03	7164E+02	1996E+03	4704E+04	6239E+04	4555E+04	3225E+03	7164E+02	1996E+03	4704E+04	1582E+05	1110E+04
3143E+02	7032E+02	1731E+02	2203E+04	3716E+03	4940E+04	3143E+02	7032E+02	1731E+02	2203E+04	4591E+05	8315E+04
1926E+01	1476E+01	6070E+00	7486E+01	3760E+02	7124E+02	1926E+01	1476E+01	6070E+00	7486E+01	6674E+02	1421E+03
2777E+03	1001E+03	1117E+03	1213E+04	1069E+05	1574E+04	2777E+03	1001E+03	1117E+03	1213E+04	1605E+05	6379E+04
6098E+01	1988E+02	1229E+02	4303E+03	2565E+03	1979E+04	6098E+01	1988E+02	1229E+02	4303E+03	8467E+03	2933E+04
4856E+02	2865E+02	8485E+00	3966E+02	1731E+03	1077E+04	4856E+02	2865E+02	8485E+00	3966E+02	1510E+03	2980E+03
2909E+02	1042E+02	5020E+01	3168E+03	8522E+03	2694E+04	2909E+02	1042E+02	5020E+01	3168E+03	1113E+04	2143E+04
3422E+02	6589E+02	1096E+02	4425E+03	4420E+03	7693E+03	3422E+02	6589E+02	1096E+02	4425E+03	9682E+03	2393E+03
4254E+01	2417E+02	3500E+01	2001E+03	4332E+03	1245E+04	4254E+01	2417E+02	3500E+01	2001E+03	6012E+03	2405E+04
8084E+01	2411E+02	2941E+02	3504E+03	1016E+04	5482E+03	8084E+01	2411E+02	2941E+02	3504E+03	3961E+03	1705E+04
1968E+02	1232E+02	1499E+01	1749E+00	7594E+00	5100E+01	1968E+02	1232E+02	1499E+01	1749E+00	4003E+01	8119E+02
1064E+02	2978E+02	1514E+01	1453E+03	3652E+03	3404E+03	1064E+02	2978E+02	1514E+01	1453E+03	2925E+03	9854E+03
5093E+01	9119E+01	7126E+00	5367E+02	5782E+02	2910E+03	5093E+01	9119E+01	7126E+00	5367E+02	2361E+02	1407E+03
1856E+01	3467E+01	2410E+00	1978E+02	1968E+02	1186E+03	1856E+01	3467E+01	2410E+00	1978E+02	8112E+01	4705E+02
5742E+02	4431E+02	7554E+01	2089E+03	2571E+03	2861E+04	5742E+02	4431E+02	7554E+01	2089E+03	6197E+03	7346E+03
9311E+01	6137E+01	1633E+00	2952E+02	1893E+03	2929E+03	9311E+01	6137E+01	1633E+00	2952E+02	1971E+03	1637E+01
1062E+01	1903E+01	2362E+00	1722E+01	3962E+02	1455E+03	1062E+01	1903E+01	2362E+00	1722E+01	2828E+02	5413E+02
9643E+01	2582E+01	5021E+01	1853E+03	2082E+03	1695E+03	9643E+01	2582E+01	5021E+01	1853E+03	3279E+02	2934E+03
1405E+01	2893E+00	8009E+00	4541E+01	7583E+02	2771E+02	1405E+01	2893E+00	8009E+00	4541E+01	3739E+02	8627E+01
7816E+01	5934E+00	7244E+01	4191E+02	8806E+03	3730E+02	7816E+01	5934E+00	7244E+01	4191E+02	1328E+03	8816E+01
1255E+02	1273E+02	1291E+02	5546E+02	1005E+04	1048E+04	1255E+02	1273E+02	1291E+02	5546E+02	3848E+03	3409E+03
2954E+01	5687E+01	1675E+02	1569E+03	1293E+04	4995E+03	2954E+01	5687E+01	1675E+02	1569E+03	4804E+03	2265E+03
1791E+02	1949E+02	3058E+01	1250E+03	1310E+03	1777E+04	1791E+02	1949E+02	3058E+01	1250E+03	1574E+02	8412E+03
1413E+01	5082E+01	5824E+01	5338E+02	4353E+03	5732E+03	1413E+01	5082E+01	5824E+01	5338E+02	1557E+03	2504E+03
2378E+01	9123E+00	1994E+01	4795E+01	9168E+02	7669E+02	2378E+01	9123E+00	1994E+01	4795E+01	4039E+01	3290E+02
2173E+00	2281E+00	1827E+00	6973E+00	9841E+01	1949E+02	2173E+00	2281E+00	1827E+00	6973E+00	1072E+01	8540E+01

SQUARE ROOT SUM OF THE SQUARES

4712E+03	5611E+03	7584E+03	1176E+05	2947E+05	1620E+05	4712E+03	5611E+03	7584E+03	1176E+05	5199E+05	2726E+05
5551E+03	6688E+03	8262E+03	1750E+05	5033E+05	4453E+05	5551E+03	6688E+03	8262E+03	1750E+05	4279E+05	2203E+05



PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	IX(C)	MY(C)	MZ(C)
-1.655E+01	-1.144E+02	-3.595F+01	-1.506E+03	-4.947E+03	-4.667E+03	-7.055E+01	-9.127E+01	-3.595E+01	-5.503F+03	-3.578E+03	-8.353E+02
-1.673E+01	1.083E+03	5.024E+02	7.053E+03	9.291E+03	2.443E+04	7.775E+02	7.538E+02	5.024E+02	5.349E+03	4.429E+03	-9.803E+01
-1.137E+03	1.193E+03	-1.072E+03	-3.525E+04	1.556E+04	6.694E+04	-1.300E+02	1.818E+03	-1.072E+03	-2.805E+04	1.835E+03	1.352E+04
7.664E+02	-5.833E+02	1.100F+03	8.019E+04	-9.205E+04	6.698E+04	-1.321E+02	-1.258E+03	1.100E+03	6.612E+03	-6.679E+04	8.877E+04
7.687E+02	-9.434E+03	6.266E+03	5.633E+04	-2.793E+05	-3.693E+05	-6.134E+03	7.207E+03	6.266E+03	8.921E+04	-5.203E+04	-5.911E+04
-3.155E+03	8.071E+02	1.007E+03	4.704E+04	2.759E+04	1.539F+05	-1.057E+03	2.798E+03	1.007E+03	6.665E+04	1.824E+04	8.069E+04
3.353E+02	1.225E+03	1.928E+03	2.203E+04	7.375E+04	1.914E+04	1.163E+03	6.291E+02	1.928E+03	-1.115E+04	6.371E+03	-1.542E+04
1.918E+01	1.648E+01	1.692F+01	-7.486E+01	-1.477E+03	-3.843E+02	2.521E+01	-1.911E+00	1.692E+01	-8.744E+02	-4.532E+02	-6.559E+02
-2.621E+03	-8.901E+03	-5.698E+01	1.213E+04	2.584E+04	-1.416E+05	-3.147E+03	-4.444F+03	-5.698F+01	2.613E+04	7.908E+03	1.071E+05
-3.712E+01	5.526E+02	6.667F+02	4.030E+03	-2.430E+04	1.284E+04	6.455E+02	4.170E+02	6.667F+02	-5.353E+03	9.882E+02	-5.235E+03
3.186E+02	9.410E+01	2.698E+01	-3.964E+02	-3.026E+03	-1.169E+03	2.918E+02	-1.587E+02	2.698F+01	-2.004E+03	-1.601E+03	3.545E+01
1.033E+02	1.038E+02	-6.289E+02	-3.166E+03	2.165E+03	5.517E+03	1.464E+02	3.080E-01	-6.289E+02	4.708E+03	-2.461E+03	3.576E+03
-4.683F+01	-4.095E+02	-6.459E+02	-4.425E+03	2.281E+04	2.622E+03	2.564E+02	3.226E+02	-6.459E+02	4.408E+03	-1.296E+03	-1.102E+04
-2.660E+01	-2.212E+01	6.166E+02	-2.301E+03	-2.223E+04	-4.614E+02	3.657E+01	5.290E+00	6.166E+02	-6.160E+03	2.484E+03	-8.769E+01
5.955E+01	-5.044E+01	-4.361F+02	-3.504E+03	1.539E+04	1.293E+01	6.444E+00	7.778E+01	-4.361E+02	2.655E+03	5.179E+02	2.403E+03
2.092E-02	-4.468E-02	-4.138F-03	-1.787E+00	-7.497E-02	-3.712E-01	-1.680E-02	-4.639E-02	-4.138E-03	-1.373E+00	1.080E+00	1.320E+00



1.31E+03	1.8071E+03	1.1007E+03	1.64E+04	1.2759E+04	1.1539E+05	1.1657E+03	1.27E+03	1.1007E+03	1.6605E+04	1.29E+04	1.8869E+04
1.335E+02	1.1225E+03	1.1928E+03	1.2203E+04	1.7375E+04	1.1914E+04	1.1103E+03	1.62E+02	1.1928E+03	1.1115E+04	1.5371E+03	1.1542E+04
1.1918E+01	1.1848E+01	1.1692E+01	1.7486E+01	1.1477E+03	1.3843E+02	1.2521E+01	1.1911E+00	1.1692E+01	1.8744E+02	1.4532E+02	1.6559E+02
1.21E+03	1.6901E+03	1.5698E+01	1.1213E+04	1.2548E+04	1.1416E+04	1.147E+03	1.4440E+03	1.5698E+01	1.2613E+04	1.7908E+03	1.1071E+05
1.712E+01	1.5526E+02	1.6667E+02	1.4303E+03	1.2430E+04	1.1284E+04	1.3645E+02	1.4170E+02	1.6667E+02	1.5353E+03	1.9882E+02	1.5235E+03
1.3186E+02	1.9410E+01	1.2698E+01	1.3964E+02	1.3026E+03	1.1169E+03	1.2918E+02	1.1587E+02	1.2698E+01	1.2004E+03	1.1001E+03	1.3545E+01
1.1033E+02	1.1038E+02	1.6280E+02	1.3168E+03	1.2165E+04	1.5517E+03	1.1464E+02	1.3080E+01	1.6280E+02	1.4781E+03	1.2461E+03	1.3516E+03
1.4683E+01	1.4095E+02	1.6459E+02	1.4425E+03	1.2281E+04	1.2622E+03	1.2564E+02	1.3226E+02	1.6459E+02	1.4480E+03	1.1296E+03	1.1102E+04
1.2060E+01	1.2212E+01	1.6166E+02	1.2001E+03	1.2223E+04	1.4014E+02	1.3657E+01	1.5290E+00	1.6166E+02	1.6160E+03	1.2484E+03	1.6769E+01
1.5955E+01	1.5044E+01	1.4361E+02	1.3504E+03	1.1539E+04	1.1293E+01	1.6444E+00	1.7778E+01	1.4361E+02	1.2655E+03	1.5179E+02	1.2403E+03
1.2092E+02	1.4468E+02	1.4138E+03	1.1787E+00	1.7497E+02	1.3712E+01	1.1680E+02	1.4639E+02	1.4138E+03	1.1373E+00	1.1080E+00	1.1326E+00
1.5387E+01	1.6244E+01	1.2095E+02	1.1493E+03	1.8615E+03	1.4756E+02	1.8225E+01	1.6063E+00	1.2095E+02	1.3850E+03	1.2903E+03	1.8014E+02
1.3357E+01	1.2119E+01	1.2923E+01	1.5367E+02	1.1172E+03	1.1539E+02	1.3872E+01	1.8756E+00	1.2923E+01	1.8229E+02	1.4810E+02	1.3850E+02
1.1164E+01	1.7300E+00	1.9262E+00	1.1978E+02	1.3730E+02	1.4582E+01	1.1340E+01	1.3072E+00	1.9262E+00	1.2820E+02	1.1705E+02	1.1246E+02
1.4777E+02	1.2070E+02	1.2275E+02	1.2089E+02	1.8235E+03	1.5127E+03	1.4841E+02	1.1915E+02	1.2275E+02	1.1348E+03	1.6262E+01	1.5411E+03
1.1243E+02	1.2863E+01	1.1063E+01	1.2952E+02	1.3372E+02	1.2130E+03	1.1382E+02	1.0768E+01	1.1063E+01	1.5873E+02	1.3681E+02	1.1402E+03
1.2143E+01	1.2782E+00	1.1636E+01	1.1722E+01	1.4152E+02	1.4373E+02	1.1712E+01	1.1318E+01	1.1636E+01	1.6581E+01	1.2147E+02	1.2434E+02
1.3753E+01	1.2924E+01	1.7278E+01	1.1853E+03	1.1777E+03	1.3468E+02	1.4722E+01	1.5862E+00	1.7278E+01	1.1607E+03	1.2370E+03	1.9097E+01
1.1579E+01	1.4804E+00	1.9051E+01	1.4541E+01	1.3244E+01	1.4059E+02	1.7769E+00	1.1456E+01	1.9051E+01	1.2041E+01	1.6068E+01	1.4444E+01
1.2770E+00	1.6080E+01	1.9791E+00	1.4191E+02	1.1799E+02	1.1371E+03	1.4496E+01	1.4103E+01	1.9791E+00	1.2982E+02	1.1120E+02	1.5271E+02
1.1098E+02	1.1461E+02	1.9284E+01	1.5546E+02	1.3807E+03	1.4702E+03	1.2563E+01	1.1809E+02	1.9284E+01	1.1076E+03	1.1302E+02	1.1392E+03
1.5947E+01	1.1451E+02	1.9504E+01	1.1569E+03	1.3480E+03	1.4084E+03	1.6057E+01	1.1447E+02	1.9504E+01	1.9814E+01	1.5443E+02	1.1317E+03
1.1342E+02	1.1462E+01	1.2218E+02	1.1250E+03	1.8188E+03	1.2604E+03	1.8455E+01	1.1052E+02	1.2218E+02	1.1982E+03	1.3846E+02	1.1901E+02
1.2131E+00	1.4042E+01	1.7660E+01	1.5338E+02	1.2744E+03	1.8223E+02	1.2707E+01	1.3009E+01	1.7660E+01	1.5535E+02	1.1194E+02	1.4920E+02
1.2790E+01	1.2196E+01	1.6917E+00	1.4755E+01	1.3392E+02	1.1679E+01	1.3520E+01	1.4202E+00	1.6917E+00	1.1826E+02	1.1415E+01	1.3476E+02
1.1676E+00	1.7536E+01	1.2332E+00	1.0973E+00	1.7755E+01	1.1406E+01	1.1718E+00	1.0522E+01	1.2332E+00	1.1916E+01	1.1446E+01	1.1655E+01

SQUARE ROOT SUM OF THE SQUARES

1.4519E+03	1.1321E+04	1.6976E+03	1.1176E+05	1.3284E+05	1.4341E+05	1.1045E+04	1.9261E+03	1.6976E+03	1.1190E+05	1.1037E+05	1.1763E+05
1.5130E+03	1.1407E+04	1.8353E+03	1.1750E+05	1.4143E+05	1.4856E+05	1.1075E+04	1.1060E+04	1.8353E+03	1.1312E+05	1.1427E+05	1.2166E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 11)

PX(J)	VY(J)	VZ(J)	TX(J)	TY(J)	HZ(J)
1.144E+02	1.1465E+01	1.3595E+01	1.6565E+03	1.1120E+02	1.1141E+03
1.1083E+03	1.1073E+01	1.5024E+02	1.1332E+04	1.1555E+04	1.2354E+04
1.1193E+03	1.1377E+03	1.1072E+03	1.3266E+04	1.1297E+04	1.4603E+04
1.9833E+02	1.7964E+02	1.1100E+03	1.4255E+04	1.3068E+04	1.1271E+05
1.9434E+03	1.7527E+02	1.6268E+03	1.1725E+04	1.2254E+05	1.8937E+04
1.0071E+02	1.3150E+03	1.1007E+03	1.7291E+04	1.1722E+03	1.2419E+04
1.1225E+03	1.3353E+02	1.1928E+03	1.1367E+04	1.6474E+04	1.2069E+04
1.1648E+01	1.1918E+01	1.1692E+01	1.7158E+02	1.0361E+02	1.2627E+02
1.8001E+03	1.2621E+03	1.5698E+01	1.2337E+04	1.1470E+04	1.1410E+05
1.5526E+02	1.3712E+01	1.6667E+02	1.5700E+03	1.2570E+04	1.1370E+04
1.9410E+01	1.3186E+02	1.2698E+01	1.1812E+03	1.1611E+03	1.8932E+03
1.1038E+02	1.1033E+02	1.6289E+02	1.6649E+03	1.2513E+04	1.5498E+03
1.4095E+02	1.4683E+01	1.6459E+02	1.0258E+03	1.2464E+04	1.1791E+04
1.2212E+01	1.2960E+01	1.6166E+02	1.5514E+03	1.2575E+04	1.7380E+02
1.5044E+01	1.5955E+01	1.4361E+02	1.4236E+03	1.1812E+04	1.4963E+03
1.4468E+02	1.2092E+02	1.4138E+03	1.2612E+01	1.1603E+00	1.2501E+00
1.6244E+01	1.5387E+01	1.2095E+02	1.2613E+03	1.1272E+04	1.8973E+01
1.2119E+01	1.3357E+01	1.2923E+01	1.1435E+02	1.1852E+03	1.4034E+02
1.7300E+00	1.1164E+01	1.9262E+00	1.4321E+01	1.6147E+02	1.1497E+02
1.2070E+02	1.4777E+02	1.2275E+02	1.2001E+03	1.8147E+03	1.7662E+03
1.2863E+01	1.1243E+02	1.1063E+01	1.8157E+02	1.1833E+02	1.2177E+03
1.2782E+00	1.2143E+01	1.1636E+01	1.3209E+02	1.7168E+02	1.4017E+02
1.2624E+01	1.3753E+01	1.7278E+01	1.1498E+03	1.5128E+03	1.7179E+02
1.6804E+00	1.1579E+01	1.9051E+01	1.4001E+01	1.8015E+01	1.5208E+02
1.6080E+01	1.2776E+00	1.9791E+00	1.2607E+02	1.2144E+01	1.1240E+03
1.1461E+02	1.1098E+02	1.9284E+01	1.3707E+02	1.3623E+03	1.6811E+03
1.1451E+02	1.5947E+01	1.9504E+01	1.7991E+02	1.2710E+03	1.5122E+03
1.1462E+01	1.1342E+02	1.2218E+02	1.1794E+03	1.8731E+03	1.4653E+03
1.4042E+01	1.2131E+00	1.7660E+01	1.7026E+02	1.2913E+03	1.1093E+03
1.2196E+01	1.2790E+01	1.6917E+00	1.2790E+01	1.3592E+02	1.2506E+02
1.7536E+01	1.1676E+00	1.2332E+00	1.2742E+01	1.9799E+01	1.2684E+01

SQUARE ROOT SUM OF THE SQUARES

1.1321E+04	1.4519E+03	1.6976E+03	1.9803E+04	1.2448E+05	1.2203E+05
1.1407E+04	1.5130E+03	1.8353E+03	1.1263E+05	1.2766E+05	1.2911E+05





-1.40E+01 -2.13E+01 -7.66E+01 -2.26E+02 -2.91E+03 -1.09E+04  
 -2.19E+01 -2.79E+01 -6.91E+01 -2.79E+02 -3.59E+02 -2.50E+02  
 7.53E-01 -1.07E+00 -2.33E+00 -2.74E+01 -9.79E+01 -2.68E+01

SQUARE ROOT SUM OF THE SQUARES

.1321E+04 .4519E+03 .6976E+03 .9803E+04 .2446E+05 .2203E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .1407E+04 .5130E+03 .8353E+03 .1263E+05 .2766E+05 .2911E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 12 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-1.127E+02	.1317E+01	.3635E+01	-.6565E+03	.1126E+02	-.1141E+03	-1.127E+02	.1317E+01	.3635E+01	-.6565E+03	.2639E+02	-.1196E+03
.1050E+03	.2776E+01	-.4772E+02	.1332E+04	-.1555E+04	.2350E+04	.1056E+03	.2776E+01	-.4772E+02	.1332E+04	-.1755E+04	.2343E+04
.1079E+03	-.1156E+03	.8685E+02	-.3266E+04	.1297E+04	.4603E+04	.1079E+03	-.1156E+03	.8685E+02	-.3266E+04	.1660E+04	.5066E+04
-.7605E+02	.7086E+02	-.1063E+03	-.4255E+04	.3042E+04	-.1271E+05	-.7605E+02	.7086E+02	-.1063E+03	-.4255E+04	.2624E+04	-.1300E+05
-.8976E+03	.7186E+02	-.5385E+03	-.1725E+04	-.2258E+05	-.6937E+04	-.8976E+03	.7186E+02	-.5385E+03	-.1725E+04	-.2462E+05	-.9238E+04
.6023E+02	-.2896E+03	-.8787E+02	.7291E+04	.1722E+03	.2419E+04	.6023E+02	-.2896E+03	-.8787E+02	.7291E+04	-.1949E+03	.3629E+04
.1160E+03	.3384E+02	-.1612E+03	.1302E+04	-.6474E+04	.2089E+04	.1160E+03	.3384E+02	-.1612E+03	.1302E+04	-.7147E+04	.1946E+04
.1660E+01	.1767E+01	-.1332E+01	-.7158E+02	-.8361E+02	.2627E+02	.1660E+01	.1767E+01	-.1332E+01	-.7158E+02	-.8918E+02	.1809E+02
-.8178E+03	-.2599E+03	.9890E+01	.2332E+04	.1470E+04	-.1410E+05	-.8178E+03	-.2599E+03	.9890E+01	.2332E+04	.1511E+04	-.1301E+05
.4479E+02	.2061E+00	-.4406E+02	.5700E+03	-.2570E+04	.1370E+04	.4479E+02	.2061E+00	-.4406E+02	.5700E+03	-.2754E+04	.1369E+04
.8299E+01	.2055E+02	-.1894E+01	-.1812E+03	-.1611E+03	-.8932E+03	.8299E+01	.2055E+02	-.1894E+01	-.1812E+03	-.1690E+03	-.9790E+03
.5934E+01	.1899E+01	.3853E+02	-.6649E+03	.2513E+04	-.5498E+03	.5934E+01	.1899E+01	.3853E+02	-.6649E+03	.2674E+04	-.5577E+03
.3463E+02	.1174E+02	.3987E+02	-.6258E+03	.2464E+04	.1791E+04	.3463E+02	.1174E+02	.3987E+02	-.6258E+03	.2631E+04	.1742E+04
-.1490E+01	-.2847E+01	-.3105E+02	.5514E+03	-.2575E+04	.7380E+02	-.1490E+01	-.2847E+01	-.3105E+02	.5514E+03	-.2705E+04	.8569E+02
-.5909E+01	.3096E+01	.1752E+02	-.4237E+03	.1612E+04	-.4963E+03	-.5909E+01	.3096E+01	.1752E+02	-.4237E+03	.1685E+04	-.5042E+03
-.4307E-02	.7181E-03	.7759E-03	-.2612E-01	-.1003E+00	-.2561E+00	-.4307E-02	.7181E-03	.7759E-03	-.2612E-01	.1570E+00	-.2611E+00
-.4757E+01	-.3510E+01	-.1999E+01	.2613E+03	-.1272E+04	.8972E+01	-.4757E+01	-.3510E+01	-.1999E+01	.2613E+03	-.1280E+04	.2304E+02
-.1998E+01	-.2293E+01	.1180E+01	.1435E+02	-.1852E+03	.4034E+02	-.1998E+01	-.2293E+01	.1180E+01	.1435E+02	-.1803E+03	.4942E+02
.7015E+00	.7533E+00	-.5049E+00	-.4321E+01	.1475E+02	-.1497E+02	.7015E+00	.7533E+00	-.5049E+00	-.4321E+01	.5936E+02	-.1612E+02
.2123E+02	.3457E+02	-.1123E+02	.2001E+03	-.8147E+03	.7062E+03	.2123E+02	.3457E+02	-.1123E+02	.2001E+03	.8615E+03	-.8506E+03
-.2615E+01	-.1043E+02	-.2260E+01	.8157E+02	-.1833E+02	.2177E+03	-.2615E+01	-.1043E+02	-.2260E+01	.8157E+02	.2613E+03	.2613E+03
.2087E+00	.1967E+01	.4452E+00	-.3269E+02	.7186E+02	-.4017E+02	.2087E+00	.1967E+01	.4452E+00	-.3269E+02	.7374E+02	-.4839E+02
.4044E+01	.7274E+00	.1094E+02	.1498E+03	-.5128E+03	-.7179E+02	.4044E+01	.7274E+00	.1094E+02	.1498E+03	-.4671E+03	-.7463E+02
.5096E+00	-.9490E+00	-.2078E-01	.4041E+01	-.8615E+01	.5208E+02	.5496E+00	-.9490E+00	-.2078E-01	.4041E+01	.8701E+01	.5605E+02
-.8931E+01	-.1651E+01	.3826E-02	.2607E+02	-.2144E+01	-.1247E+03	-.8931E+01	-.1651E+01	.3826E-02	.2607E+02	-.2129E+01	-.1171E+03
-.1305E+02	.1461E+01	.8066E+01	-.3707E+02	.3623E+03	-.6811E+03	-.1305E+02	.1461E+01	.8066E+01	-.3707E+02	.3976E+03	-.6872E+03
.9306E+01	.1955E+00	.6607E+01	-.7996E+02	.2710E+03	.5122E+03	.9306E+01	.1955E+00	.6607E+01	-.7996E+02	.2989E+03	.5114E+03
.2824E+01	.5847E+01	.6176E+01	-.1744E+03	.6731E+03	.4653E+03	.2824E+01	.5847E+01	.6176E+01	-.1744E+03	.8989E+03	-.4897E+03
-.2235E+00	-.1171E+01	-.1848E+01	.7026E+02	-.2913E+03	-.1093E+03	-.2235E+00	-.1171E+01	-.1848E+01	.7026E+02	-.2990E+03	-.1044E+03
-.2433E+01	-.2218E+01	.1689E+00	.2794E+01	.3592E+02	.2509E+02	-.2433E+01	-.2218E+01	.1689E+00	.2794E+01	.3633E+02	.3432E+02
-.2510E-01	.1126E+00	-.6799E-01	-.2742E+01	.9709E+01	-.2684E+01	-.2510E-01	.1126E+00	-.6799E-01	-.2742E+01	.9515E+01	-.3155E+01

SQUARE ROOT SUM OF THE SQUARES

.1235E+04 .4220E+03 .5930E+03 .9803E+04 .2446E+05 .2203E+05 .1235E+04 .4220E+03 .5930E+03 .9803E+04 .2680E+05 .2192E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 .1303E+04 .4757E+03 .7190E+03 .1263E+05 .2766E+05 .2911E+05 .1303E+04 .4757E+03 .7190E+03 .1263E+05 .2965E+05 .2959E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 13 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-1.125E+02	.1060E+01	.2805E+01	-.6449E+03	.2639E+02	-.1714E+03	-1.125E+02	.1060E+01	.2805E+01	-.6449E+03	.1908E+03	-.2335E+03
.1043E+03	.4636E+01	-.3529E+02	.1141E+04	-.1755E+04	.2471E+04	.1043E+03	.4636E+01	-.3529E+02	.1141E+04	-.3823E+04	.2169E+04
.8484E+02	-.7848E+02	.6052E+02	-.3660E+04	.1660E+04	.4811E+04	.8484E+02	-.7848E+02	.6052E+02	-.3660E+04	.5207E+04	.9411E+04
-.3190E+02	.5479E+02	-.1023E+03	-.3208E+04	.2624E+04	-.1330E+05	-.3190E+02	.5479E+02	-.1023E+03	-.3208E+04	-.3371E+04	-.1651E+05
-.7900E+03	.6333E+02	-.4519E+03	-.9855E+03	-.2482E+05	-.9345E+04	-.7900E+03	.6333E+02	-.4519E+03	-.9855E+03	-.5132E+05	-.1366E+05
.3221E+02	-.2446E+03	-.6386E+02	.6980E+04	.1949E+03	.4196E+04	.3221E+02	-.2446E+03	-.6386E+02	.6980E+04	-.3938E+04	.1853E+05
.1137E+03	.3371E+02	-.1096E+03	.1143E+04	-.7147E+04	.2045E+04	.1137E+03	.3371E+02	-.1096E+03	.1143E+04	-.1301E+05	.6907E+02
.1735E+01	.1489E+01	-.6106E+00	-.7285E+02	-.8918E+02	.1314E+02	.1735E+01	.1489E+01	-.6106E+00	-.7285E+02	.1250E+05	-.7415E+02
-.6097E+03	-.2533E+03	-.3797E+02	.3358E+04	.1511E+04	-.1279E+05	-.6097E+03	-.2533E+03	-.3797E+02	.3358E+04	-.7146E+03	.2060E+04
.2830E+02	.6381E+01	-.5024E+01	.4595E+03	-.2754E+04	.1410E+04	.2830E+02	.6381E+01	-.5024E+01	.4595E+03	-.3048E+04	.1036E+04
.8089E+01	.2314E+01	.5368E-01	-.1028E+03	-.1690E+03	-.9903E+03	.8089E+01	.2314E+01	.5368E-01	-.1028E+03	-.1658E+04	-.1126E+04
-.1204E+01	-.1096E+02	-.9005E+00	-.6185E+03	.2674E+04	-.6088E+03	-.1204E+01	-.1096E+02	-.9005E+00	-.6185E+03	.2621E+04	.3481E+02
.2431E+02	.3710E+02	.1781E+01	-.7622E+03	.2631E+04	.1667E+04	.2431E+02	.3710E+02	.1781E+01	-.7622E+03	.2735E+04	-.4879E+03
-.1737E+01	-.2798E+01	.1780E+02	.5429E+03	-.2105E+04	.1292E+03	-.1737E+01	-.2798E+01	.1780E+02	.5429E+03	-.1661E+04	.2930E+03
-.5410E+01	-.1377E+01	-.2413E+02	-.3819E+03	.1685E+04	-.5410E+01	-.5410E+01	-.1377E+01	-.2413E+02	-.3819E+03	.2708E+03	-.4005E+03
-.4102E-02	-.1509E-02	.1064E-02	-.5295E-02	-.1570E+00	-.2623E+00	-.4102E-02	-.1509E-02	.1064E-02	-.5295E-02	-.9465E-01	-.1739E+00
-.5000E+01	-.6022E+00	.3327E+02	.2586E+03	-.1263E+04	.6432E+02	-.5000E+01	-.6022E+00	.3327E+02	.2586E+03	.6698E+03	.7962E+02
-.2386E+01	-.5633E+00	.7277E+01	.1034E+02	-.1803E+03	.5690E+02	-.2386E+01	-.5633E+00	.7277E+01	.1034E+02	.2463E+03	.8342E+02
.8658E+00	.8928E-01	-.2622E+01	-.2868E+01	.5936E+02	-.1840E+02	.8658E+00	.8928E-01	-.2622E+01	-.2868E+01	-.9435E+02	-.2366E+02



-60E+03	-2533E+02	-3797E+02	-558E+04	-1511E+04	-1279E+05	-6977E+03	-257E+03	-3797E+02	-335E+04	-7146E+03	-2060E+02
-2839E+02	-6361E+01	-5026E+01	-556E+03	-2754E+04	-1010E+04	-2830E+02	-63E+01	-5026E+01	-4595E+03	-1048E+04	-1036E+04
-8089E+01	-2314E+01	-5368E-01	-1028E+03	-1028E+03	-9903E+03	-8089E+01	-2314E+01	-5368E-01	-1028E+03	-1658E+03	-1126E+04
-204E+01	-1096E+02	-9005E+00	-6184E+03	-2674E+04	-6088E+00	-1204E+01	-1098E+02	-9005E+00	-6184E+03	-2621E+04	-3481E+04
-2431E+02	-3710E+02	-1781E+01	-7622E+03	-2631E+04	-1687E+00	-2431E+02	-3710E+02	-1781E+01	-7622E+03	-2735E+04	-4679E+03
-1737E+01	-2794E+01	-1780E+02	-5429E+03	-2705E+04	-1292E+03	-1737E+01	-2794E+01	-1780E+02	-5429E+03	-1661E+04	-2930E+03
-5410E+01	-1377E+01	-2413E+02	-3819E+03	-1685E+04	-5412E+03	-5410E+01	-1377E+01	-2413E+02	-3819E+03	-2708E+03	-4005E+00
-4142E-02	-1509E-02	-1064E-02	-5295E-02	-1570E+00	-2623E+00	-4142E-02	-1509E-02	-1064E-02	-5295E-02	-9465E-01	-1739E+03
-5000E+01	-6022E+00	-3327E+02	-2586E+03	-1280E+04	-4432E+02	-5000E+01	-6022E+00	-3327E+02	-2586E+03	-6698E+03	-7962E+02
-2380E+01	-5633E+00	-7277E+01	-1034E+02	-1803E+03	-5090E+02	-2386E+01	-5633E+00	-7277E+01	-1034E+02	-2463E+03	-8392E+02
-8658E+00	-8928E-01	-2622E+01	-2868E+01	-5936E+02	-1840E+02	-8658E+00	-8928E-01	-2622E+01	-2868E+01	-9435E+02	-2364E+02
-2144E+02	-1210E+02	-8816E+01	-2670E+03	-8615E+03	-8320E+03	-2144E+02	-1210E+02	-8816E+01	-2670E+03	-3447E+03	-1542E+04
-2417E+01	-6651E+01	-4096E+01	-6056E+02	-2777E+02	-2669E+03	-2417E+01	-6651E+01	-4096E+01	-6056E+02	-2679E+03	-6509E+03
-2081E+00	-1569E+01	-1405E+01	-2814E+02	-7374E+02	-5079E+02	-2081E+00	-1569E+01	-1405E+01	-2814E+02	-8645E+01	-1427E+03
-2651E+01	-3929E+01	-3793E+02	-1553E+03	-4671E+03	-6269E+02	-2651E+01	-3929E+01	-3793E+02	-1553E+03	-1757E+04	-1711E+03
-6522E+00	-1072E+00	-1380E+00	-4241E+00	-8701E+01	-5619E+02	-6522E+00	-1072E+00	-1380E+00	-4241E+00	-6129E+00	-4991E+02
-1362E+02	-3623E+01	-5359E+00	-3529E+02	-2120E+01	-1147E+03	-1362E+02	-3623E+01	-5359E+00	-3529E+02	-2929E+02	-1012E+03
-1095E+02	-1332E+02	-5390E+01	-1764E+02	-3976E+03	-6840E+03	-1095E+02	-1332E+02	-5390E+01	-1764E+02	-7083E+03	-9254E+02
-7124E+00	-9707E+01	-1716E+01	-1263E+03	-2949E+03	-5034E+03	-7124E+00	-9707E+01	-1716E+01	-1263E+03	-3995E+03	-7729E+02
-1125E+02	-6001E+01	-1818E+02	-1399E+03	-8489E+03	-5024E+03	-1125E+02	-6001E+01	-1818E+02	-1399E+03	-1669E+03	-1506E+03
-5390E+01	-3334E+01	-7503E+01	-7833E+02	-2990E+03	-9846E+02	-5390E+01	-3334E+01	-7503E+01	-7833E+02	-1408E+03	-9698E+03
-2753E+01	-1107E+01	-8457E+00	-5825E-01	-3663E+02	-3444E+02	-2753E+01	-1107E+01	-8457E+00	-5825E-01	-1295E+02	-9933E+02
-1473E+00	-2172E-01	-5172E+00	-2462E+01	-9515E+01	-3362E+01	-1473E+00	-2172E-01	-5172E+00	-2462E+01	-2060E+02	-4636E+01

SQUARE ROOT SLM OF THE SQUARES

1072E+04	3747E+03	4890E+03	9461E+04	2080E+05	2207E+05	1072E+04	3747E+03	4890E+03	9461E+04	5388E+05	2983E+05
CLOSELY SPACED MCDP SUMMATION METHOD											
1103E+04	4182E+03	5983E+03	1171E+05	2965E+05	2982E+05	1103E+04	4182E+03	5983E+03	1171E+05	5837E+05	4049E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 14)

PX(I)	VY(J)	VZ(J)	TX(I)	MY(J)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-1145E+02	1060E+01	1813E+01	-6221E+03	1908E+04	-2889E+03	-1145E+02	1060E+01	1813E+01	-6221E+03	2971E+03	-3510E+03
1070E+03	4636E+01	-2605E+02	9477E+03	-3823E+04	2261E+04	1070E+03	4636E+01	-2605E+02	9477E+03	-5350E+04	1969E+04
7924E+02	-7848E+02	6769E+02	-4467E+04	5207E+04	9056E+04	7924E+02	-7848E+02	6769E+02	-4467E+04	9175E+04	1366E+05
-2285E+02	5479E+02	-1047E+03	-1755E+04	-3371E+04	-1673E+05	-2285E+02	5479E+02	-1047E+03	-1755E+04	-9507E+04	-1994E+05
7076E+03	6333E+02	-5191E+03	1579E+03	-5132E+05	-1309E+05	7076E+03	6333E+02	-5191E+03	1579E+03	-8175E+05	-1681E+05
3766E+02	-2446E+03	-6080E+02	5336E+04	-3938E+04	1907E+05	3766E+02	-2446E+03	-6080E+02	5336E+04	-7502E+04	3341E+05
1220E+03	3371E+02	-8970E+02	1133E+04	-1301E+05	1686E+03	1220E+03	3371E+02	-8970E+02	1133E+04	-1827E+05	-1807E+04
1781E+01	1489E+01	-4569E+00	-6610E+02	-1250E+03	-8023E+02	1781E+01	1489E+01	-4569E+00	-6610E+02	-1518E+03	-1675E+03
-6937E+03	-2533E+03	9889E+02	3164E+04	-7146E+03	2345E+04	-6937E+03	-2533E+03	9889E+02	3164E+04	-6512E+04	-719E+05
2663E+02	6361E+01	-2535E+01	3673E+03	-3044E+04	1072E+04	2663E+02	6361E+01	-2535E+01	3673E+03	-1213E+03	-1268E+04
8054E+01	2314E+01	-7595E+00	-418E+01	-1058E+03	-1131E+04	8054E+01	2314E+01	-7595E+00	-418E+01	-2563E+04	1624E+03
-1121E+01	-1098E+02	-1002E+01	-6191E+03	2621E+04	-1930E+02	-1121E+01	-1098E+02	-1002E+01	-6191E+03	2963E+04	-2727E+04
2460E+02	3710E+02	3896E+01	-7167E+03	2735E+04	-5526E+03	2460E+02	3710E+02	3896E+01	-7167E+03	-6306E+03	5031E+03
-1284E+01	-2794E+01	1758E+02	5152E+03	-1661E+04	3393E+03	-1284E+01	-2794E+01	1758E+02	5152E+03	-1166E+04	-4113E+03
-3284E+01	-1377E+01	-2451E+02	-3402E+03	2708E+03	-4921E+03	-3284E+01	-1377E+01	-2451E+02	-3402E+03	-5371E-01	-8519E-01
-4219E-02	-1509E-02	6986E-03	9899E-02	-9465E-01	-1737E+00	-4219E-02	-1509E-02	6986E-03	9899E-02	2506E+03	2587E+04
-7845E+01	-6022E+00	3270E+02	2566E+03	6698E+03	1019E+03	-7845E+01	-6022E+00	3270E+02	2566E+03	6591E+03	-2903E+02
-3012E+01	-5633E+00	7041E+01	2977E+01	2463E+03	8450E+02	-3012E+01	-5633E+00	7041E+01	2977E+01	-7943E+00	-2430E+03
1091E+01	8928E-01	-2537E+01	-7973E+00	-9435E+02	-2380E+02	1091E+01	8928E-01	-2537E+01	-7973E+00	4005E+03	-2222E+04
2059E+02	1210E+02	1065E+02	4005E+03	-3447E+03	-1512E+04	2059E+02	1210E+02	1065E+02	4005E+03	-2798E+03	-2222E+04
-2050E+01	-6651E+01	-4291E+01	3002E+01	-2679E+03	6596E+03	-2050E+01	-6651E+01	-4291E+01	3002E+01	-5194E+03	1050E+04
5300E+00	1569E+01	-1382E+01	-1558E+02	-8045E+01	-1446E+03	5300E+00	1569E+01	-1382E+01	-1558E+02	-8965E+02	-2366E+03
-4707E+00	-3989E+01	3804E+02	1398E+03	1757E+04	-140E+03	-4707E+00	-3989E+01	3804E+02	1398E+03	3986E+04	4178E+03
6377E+00	1072E+00	1944E+00	-4778E+01	-6124E+00	4968E+02	6377E+00	1072E+00	1944E+00	-4778E+01	1078E+02	4340E+02
-1362E+02	-3623E+01	-6552E+00	2637E+02	2929E+02	1039E+03	-1362E+02	-3623E+01	-6552E+00	2637E+02	9120E+01	3196E+03
-1137E+02	-1332E+02	4324E+01	9452E+01	7983E+03	9373E+02	-1137E+02	-1332E+02	4324E+01	9452E+01	9617E+03	8745E+03
5599E+00	9907E+01	1772E+01	-1131E+03	3995E+03	-8750E+02	5599E+00	9907E+01	1772E+01	-1131E+03	5033E+03	-6682E+03
1279E+02	-6001E+01	-1713E+02	-1267E+03	-1669E+03	-1622E+03	1279E+02	-6001E+01	-1713E+02	-1267E+03	-1171E+04	1896E+03
4714E+01	-3334E+01	7945E+01	6957E+02	1448E+03	1034E+03	4714E+01	-3334E+01	7945E+01	6957E+02	6065E+03	2969E+03
-2666E+01	-1107E+01	-1083E+01	-6611E+01	-1295E+02	9895E+02	-2666E+01	-1107E+01	-1083E+01	-6611E+01	-7641E+02	1636E+03
-1016E+00	-2172E-01	-5281E+00	-2068E+01	-2080E+02	-2835E+01	-1016E+00	-2172E-01	-5281E+00	-2068E+01	-5170E+02	-6106E+01

SQUARE ROOT SLM OF THE SQUARES

1038E+04	3747E+03	5579E+03	8112E+04	5388E+05	3023E+05	1038E+04	3747E+03	5579E+03	8112E+04	5886E+05	4800E+05
CLOSELY SPACED MCDP SUMMATION METHOD											
1062E+04	4182E+03	6680E+03	9780E+04	5837E+05	4082E+05	1062E+04	4182E+03	6680E+03	9780E+04	9699E+05	6050E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 15)



SQUARE ROOT SUM OF THE SQUARES

038E+04 .3747E+03 .5579E+03 .8112E+04 .5388E+05 .3023E+04 .1038E+04 .3747E+03 .5579E+03 .8112E+04 .8586E+05 .4800E+05  
CLOSELY SPACED MODE SUMMATION METHOD  
1062E+04 .4182E+03 .6680E+03 .9780E+04 .5837E+05 .4082E+05 .1062E+04 .4182E+03 .6680E+03 .9780E+04 .9699E+05 .6050E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 15)

PX(I)	VY(I)	VZ(I)	IX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	IX(J)	MY(J)	MZ(J)
-1100E+02	-1447E+00	.5884E+00	-.5892E+03	.2971E+03	-.4038E+03	-1100E+02	-1447E+00	.5884E+00	-.5892E+03	.3316E+03	-.3954E+03
.9764E+02	.1037E+02	-.0863E+01	.7709E+03	-.5350E+04	.2064E+04	.9764E+02	.1037E+02	-.0863E+01	.7709E+03	-.5635E+04	.1456E+04
.5620E+02	.3388E+02	-.9619E+01	-.5639E+04	.9175E+04	.1322E+05	.5620E+02	.3388E+02	-.9619E+01	-.5639E+04	.8611E+04	.1123E+05
.4058E+02	-.4428E+02	-.3088E+02	-.1147E+02	-.9507E+04	-.2002E+05	.4058E+02	-.4428E+02	-.3088E+02	-.1147E+02	-.1132E+05	-.1742E+05
-.6752E+03	-.3007E+02	.5307E+02	.1621E+04	-.8175E+05	-.1673E+05	-.6752E+03	-.3007E+02	.5307E+02	.1621E+04	-.7864E+05	-.1497E+05
-.5523E+02	.8727E+01	.5532E+01	.2405E+04	-.7502E+04	.3375E+05	-.5523E+02	.8727E+01	.5532E+01	.2405E+04	.7178E+04	.3324E+05
.7909E+02	.7014E+01	.0098E+02	.1266E+04	-.1827E+05	-.1702E+04	.7909E+02	.7014E+01	.0098E+02	.1266E+04	-.1507E+05	-.2113E+04
.1577E+01	-.4678E+00	.5894E+00	-.5126E+02	-.1518E+03	-.1726E+03	.1577E+01	-.4678E+00	.5894E+00	-.5126E+02	-.1172E+03	-.1452E+03
-.4700E+03	-.6668E+02	-.2810E+02	.1656E+04	-.6512E+04	.1740E+05	-.4700E+03	-.6668E+02	-.2810E+02	.1656E+04	.8159E+04	.2131E+05
-.1970E+02	.8165E+01	.0541E+02	.3051E+03	-.3107E+04	.7273E+03	-.1970E+02	.8165E+01	.0541E+02	.3051E+03	-.5349E+03	.2490E+03
.5814E+01	-.2070E+02	.2126E+01	.1042E+03	-.1213E+03	-.1262E+04	.5814E+01	-.2070E+02	.2126E+01	.1042E+03	.3285E+01	-.4845E+02
.4828E+00	-.1677E+01	-.4310E+02	-.6712E+03	.2563E+04	.5680E+03	.4828E+00	-.1677E+01	-.4310E+02	-.6712E+03	.3579E+02	.6663E+03
.2086E+02	.1099E+02	-.4383E+02	-.4764E+03	.2963E+04	-.2779E+04	.2086E+02	.1099E+02	-.4383E+02	-.4764E+03	.3940E+03	-.3424E+04
-.1810E+02	-.1590E+01	.4375E+02	.4695E+03	-.6308E+03	.5481E+03	-.1810E+02	-.1590E+01	.4375E+02	.4695E+03	.1934E+04	.6393E+03
.6081E+01	-.3237E+01	-.2379E+02	-.3031E+03	-.1166E+04	.4394E+03	.6081E+01	-.3237E+01	-.2379E+02	-.3031E+03	.2500E+04	-.2496E+03
-.3951E+02	-.2604E+02	.1293E+02	.1728E+01	-.5371E+01	-.6400E+01	-.3951E+02	-.2604E+02	.1293E+02	.1728E+01	.2212E+01	.6882E+01
-.1039E+02	.1138E+01	.4126E+01	.2377E+03	.2507E+04	.1585E+03	-.1039E+02	.1138E+01	.4126E+01	.2377E+03	.2829E+04	.9179E+02
-.3425E+01	.1677E+01	-.1539E+01	-.7271E+01	.6591E+03	.1173E+03	-.3425E+01	.1677E+01	-.1539E+01	-.7271E+01	.5688E+03	.1905E+02
.1247E+01	-.5548E+00	.6911E+00	.1717E+01	-.2030E+03	-.2899E+02	.1247E+01	-.5548E+00	.6911E+00	.1717E+01	-.2025E+03	.3532E+01
.1607E+02	-.3615E+02	.1000E+02	.5926E+03	.2798E+03	-.2179E+04	.1607E+02	-.3615E+02	.1000E+02	.5926E+03	.8661E+03	-.5950E+02
-.2363E+01	.1312E+02	.4595E+01	-.8843E+02	-.5194E+03	.1046E+04	-.2363E+01	.1312E+02	.4595E+01	-.8843E+02	.2501E+03	.2768E+03
.5020E+00	-.2595E+01	-.1677E+00	.5051E+01	-.8765E+02	-.2370E+03	.5020E+00	-.2595E+01	-.1677E+00	.5051E+01	.4948E+02	-.8492E+02
.4860E+01	.1834E+01	-.3911E+02	.1029E+03	.3986E+04	.4284E+03	.4860E+01	.1834E+01	-.3911E+02	.1029E+03	.1694E+04	.3209E+03
.8003E+00	.1249E+01	-.6484E+01	-.8540E+01	.1078E+02	.4282E+02	.8003E+00	.1249E+01	-.6484E+01	-.8540E+01	.6981E+01	-.3038E+02
-.2193E+02	.3386E+01	.7526E+00	.1637E+01	-.9120E+01	.3209E+03	-.2193E+02	.3386E+01	.7526E+00	.1637E+01	.3500E+02	.1224E+03
-.1529E+01	.6823E+01	-.1803E+02	-.6670E+02	.9017E+03	.8718E+03	-.1529E+01	.6823E+01	-.1803E+02	-.6670E+02	.9533E+02	.4718E+03
-.1271E+02	-.4115E+01	-.1055E+02	-.5444E+02	.5033E+03	-.6759E+03	-.1271E+02	-.4115E+01	-.1055E+02	-.5444E+02	.1150E+03	-.4343E+03
.2891E+02	.1050E+01	.8302E+01	-.1423E+02	-.1171E+04	.1778E+03	.2891E+02	.1050E+01	.8302E+01	-.1423E+02	.6844E+03	.1163E+03
.1547E+02	.3004E+01	-.7027E+01	.4327E+02	.6065E+03	.3038E+03	.1547E+02	.3004E+01	-.7027E+01	.4327E+02	.1946E+03	.1217E+03
-.3075E+01	.3648E+01	.1006E+01	-.2285E+02	-.7641E+02	.1625E+03	-.3075E+01	.3648E+01	.1006E+01	-.2285E+02	-.1743E+02	-.5137E+02
-.4723E+00	-.1129E+00	.8900E+00	-.1528E+01	-.5176E+02	-.6265E+01	-.4723E+00	-.1129E+00	.8900E+00	-.1528E+01	.4126E+00	.3511E+00

SQUARE ROOT SUM OF THE SQUARES

.8382E+03 .1045E+03 .1302E+03 .6863E+04 .8586E+05 .4819E+05 .8382E+03 .1045E+03 .1302E+03 .6863E+04 .8253E+05 .4725E+05  
CLOSELY SPACED MODE SUMMATION METHOD  
.8817E+03 .1358E+03 .1623E+03 .7400E+04 .9699E+05 .6047E+05 .8817E+03 .1358E+03 .1623E+03 .7400E+04 .9499E+05 .5743E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 16)

PX(I)	VY(I)	VZ(I)	IX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	IX(J)	MY(J)	MZ(J)
-1101E+02	-1447E+00	-.3571E+00	-.5531E+03	.3316E+03	-.4444E+03	-1101E+02	-1447E+00	-.3571E+00	-.5531E+03	.3107E+03	-.3906E+03
.9770E+02	.1037E+02	.3528E+01	.6432E+03	-.5635E+04	.1517E+04	.9770E+02	.1037E+02	.3528E+01	.6432E+03	-.5429E+04	.9091E+03
.5682E+02	.3388E+02	-.4764E+01	-.6582E+04	.8611E+04	.1070E+05	.5682E+02	.3388E+02	-.4764E+01	-.6582E+04	.8332E+04	.8720E+04
.4706E+02	-.4428E+02	-.2695E+02	.1483E+04	-.1132E+05	.1736E+05	.4706E+02	-.4428E+02	-.2695E+02	.1483E+04	-.1290E+05	-.1477E+05
-.6773E+03	-.3007E+02	-.5034E+01	.2899E+04	-.7864E+05	-.1477E+05	-.6773E+03	-.3007E+02	-.5034E+01	.2899E+04	-.7893E+05	-.1301E+05
-.3557E+02	.8727E+01	.2491E+01	.4539E+03	-.7178E+04	.3332E+05	-.3557E+02	.8727E+01	.2491E+01	.4539E+03	-.7032E+04	.3281E+05
.7528E+02	.7014E+01	.4761E+02	.1463E+04	-.1587E+04	-.1995E+04	.7528E+02	.7014E+01	.4761E+02	.1463E+04	-.1308E+05	-.2406E+04
.1520E+01	-.4678E+00	.7224E+00	-.3862E+02	-.1172E+03	-.1491E+03	.1520E+01	-.4678E+00	.7224E+00	-.3862E+02	-.7469E+02	-.1217E+03
-.4659E+03	-.6668E+02	-.6831E+02	.1779E+03	-.8159E+04	.2138E+05	-.4659E+03	-.6668E+02	-.6831E+02	.1779E+03	-.1216E+05	.2526E+05
-.2352E+02	.8160E+01	.4355E+02	.2827E+03	.5349E+03	.2743E+03	-.2352E+02	.8160E+01	.4355E+02	.2827E+03	.2018E+04	-.2037E+03
.5610E+01	-.2070E+02	.2616E+01	.1099E+03	.3285E+01	-.3917E+02	.5610E+01	-.2070E+02	.2616E+01	.1099E+03	.1565E+03	.1173E+04
.4177E+01	-.1677E+01	-.4290E+02	-.7258E+03	.3579E+02	-.6063E+03	.4177E+01	-.1677E+01	-.4290E+02	-.7258E+03	-.2477E+04	.7045E+03
.2376E+02	.1099E+02	-.4195E+02	-.1811E+03	.3940E+03	.3452E+04	.2376E+02	.1099E+02	-.4195E+02	-.1811E+03	-.2063E+04	-.4095E+04
-.2178E+02	-.1590E+01	.4204E+02	.4129E+03	.1934E+04	.6772E+03	-.2178E+02	-.1590E+01	.4204E+02	.4129E+03	.4346E+04	.7703E+03
.8099E+01	-.3237E+01	-.2318E+02	-.2006E+03	-.2500E+04	-.2747E+03	.8099E+01	-.3237E+01	-.2318E+02	-.2006E+03	-.3918E+04	.6510E+02
-.4448E+02	-.2604E+02	.9498E+03	.1133E+01	-.2212E+01	.4985E+01	-.4448E+02	-.2604E+02	.9498E+03	.1133E+01	.7774E+01	.2224E+00
-.1071E+02	.1138E+01	.3219E+01	.2290E+03	.2829E+04	.1118E+03	-.1071E+02	.1138E+01	.3219E+01	.2290E+03	.3017E+04	.4520E+02
-.3281E+01	.1677E+01	-.1827E+01	-.8678E+01	.5688E+03	.1836E+02	-.3281E+01	.1677E+01	-.1827E+01	-.8678E+01	.4618E+03	.7984E+02
.1183E+01	-.5548E+00	.7955E+00	.1428E+01	-.2025E+03	.3608E+01	.1183E+01	-.5548E+00	.7955E+00	.1428E+01	-.1559E+03	.3616E+02
.1615E+02	-.3615E+02	.1134E+02	.5955E+03	.8061E+03	-.8870E+01	.1615E+02	-.3615E+02	.1134E+02	.5955E+03	.1530E+04	.2109E+04
-.2748E+01	.1312E+02	.4375E+01	-.1118E+03	-.2501E+03	.2682E+03	-.2748E+01	.1312E+02	.4375E+01	-.1118E+03	-.1808E+03	-.5002E+03
.5146E+00	-.2595E+01	-.1240E+00	.1234E+02	-.9948E+02	-.8417E+02	.5146E+00	-.2595E+01	-.1240E+00	.1234E+02	-.1067E+03	.6782E+02



1.077E+01	1.1677E+01	1.2690E+02	1.58E+03	1.3579E+02	1.603E+03	1.177E+01	1.16E+01	1.290E+02	1.725E+03	1.277E+04	1.7045E+03
1.237E+02	1.109E+02	1.419E+02	1.111E+03	1.394E+03	1.345E+04	1.237E+02	1.109E+02	1.419E+02	1.181E+03	1.263E+04	1.4095E+04
1.178E+02	1.1590E+01	1.420E+02	1.412E+03	1.193E+04	1.677E+07	1.217E+02	1.1590E+01	1.420E+02	1.412E+03	1.412E+03	1.7703E+03
1.099E+01	1.3237E+01	1.231E+02	1.200E+03	1.250E+04	1.2747E+0	1.8079E+01	1.3237E+01	1.231E+02	1.280E+03	1.391E+04	1.8510E+04
1.048E+02	1.2004E+02	1.949E+03	1.113E+01	1.221E+01	1.648E+01	1.404E+02	1.2004E+02	1.949E+03	1.113E+01	1.777E+01	1.224E+00
1.1071E+02	1.113E+01	1.321E+01	1.225E+03	1.282E+04	1.118E+03	1.1071E+02	1.113E+01	1.321E+01	1.225E+03	1.301E+04	1.4520E+02
1.3281E+01	1.1677E+01	1.1827E+01	1.887E+01	1.508E+03	1.836E+02	1.3281E+01	1.1677E+01	1.1827E+01	1.887E+01	1.461E+03	1.798E+02
1.183E+01	1.554E+00	1.795E+00	1.428E+01	1.202E+03	1.368E+01	1.183E+01	1.554E+00	1.795E+00	1.428E+01	1.155E+03	1.361E+02
1.151E+02	1.301E+02	1.113E+02	1.595E+03	1.861E+03	1.847E+01	1.151E+02	1.301E+02	1.113E+02	1.595E+03	1.1530E+04	1.210E+04
1.274E+01	1.131E+02	1.437E+01	1.118E+03	1.2501E+03	1.268E+03	1.274E+01	1.131E+02	1.437E+01	1.118E+03	1.610E+01	1.500E+03
1.514E+00	1.259E+01	1.1240E+00	1.123E+02	1.994E+02	1.841E+02	1.514E+00	1.259E+01	1.1240E+00	1.123E+02	1.106E+03	1.670E+02
1.819E+01	1.183E+01	1.385E+02	1.745E+02	1.694E+04	1.328E+03	1.819E+01	1.183E+01	1.385E+02	1.745E+02	1.749E+02	1.5641E+03
1.802E+00	1.124E+01	1.403E+02	1.593E+01	1.6981E+01	1.310E+02	1.802E+00	1.124E+01	1.403E+02	1.593E+01	1.721E+01	1.1041E+03
1.219E+02	1.338E+01	1.113E+01	1.121E+02	1.350E+02	1.121E+03	1.219E+02	1.338E+01	1.113E+01	1.121E+02	1.312E+02	1.7651E+02
1.228E+01	1.682E+01	1.181E+02	1.106E+03	1.953E+02	1.444E+03	1.228E+01	1.682E+01	1.181E+02	1.106E+03	1.106E+03	1.648E+02
1.117E+02	1.411E+01	1.110E+02	1.169E+02	1.115E+03	1.437E+03	1.117E+02	1.411E+01	1.110E+02	1.169E+02	1.794E+03	1.198E+03
1.280E+02	1.105E+01	1.107E+02	1.151E+03	1.684E+03	1.103E+03	1.280E+02	1.105E+01	1.107E+02	1.151E+03	1.547E+02	1.421E+02
1.101E+02	1.300E+01	1.567E+01	1.321E+02	1.146E+03	1.131E+03	1.101E+02	1.300E+01	1.567E+01	1.321E+02	1.137E+02	1.449E+02
1.3150E+01	1.368E+01	1.737E+00	1.183E+02	1.174E+02	1.531E+02	1.3150E+01	1.368E+01	1.737E+00	1.183E+02	1.258E+02	1.268E+03
1.569E+00	1.112E+00	1.846E+00	1.155E+01	1.412E+00	1.218E+00	1.569E+00	1.112E+00	1.846E+00	1.155E+01	1.499E+02	1.682E+01

SQUARE ROOT SUM OF THE SQUARES  
 1.837E+03 1.104E+03 1.133E+03 1.764E+04 1.825E+05 1.471E+05 1.837E+03 1.104E+03 1.133E+03 1.764E+04 1.832E+05 1.471E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 1.833E+03 1.135E+03 1.154E+03 1.941E+04 1.949E+05 1.570E+05 1.833E+03 1.135E+03 1.154E+03 1.941E+04 1.968E+05 1.550E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 17 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
1.1030E+02	1.1400E+01	1.1719E+01	1.512E+03	1.310E+03	1.483E+03	1.1030E+02	1.1400E+01	1.1719E+01	1.512E+03	1.209E+03	1.401E+03
1.839E+02	1.149E+02	1.194E+02	1.562E+03	1.542E+04	1.962E+03	1.839E+02	1.149E+02	1.194E+02	1.562E+03	1.429E+04	1.867E+02
1.537E+02	1.127E+03	1.746E+02	1.732E+04	1.833E+04	1.810E+04	1.537E+02	1.127E+03	1.746E+02	1.732E+04	1.395E+04	1.610E+03
1.908E+02	1.139E+03	1.773E+02	1.278E+04	1.129E+05	1.145E+05	1.908E+02	1.139E+03	1.773E+02	1.278E+04	1.836E+04	1.641E+03
1.765E+03	1.125E+03	1.577E+03	1.403E+04	1.789E+05	1.1270E+05	1.765E+03	1.125E+03	1.577E+03	1.403E+04	1.438E+05	1.537E+04
1.124E+03	1.267E+03	1.531E+02	1.335E+04	1.703E+04	1.326E+05	1.124E+03	1.267E+03	1.531E+02	1.335E+04	1.391E+04	1.169E+05
1.827E+01	1.246E+02	1.170E+02	1.1670E+04	1.130E+05	1.226E+04	1.827E+01	1.246E+02	1.170E+02	1.1670E+04	1.7701E+04	1.822E+03
1.118E+01	1.244E+01	1.606E+00	1.2770E+02	1.748E+02	1.124E+03	1.118E+01	1.244E+01	1.606E+00	1.2770E+02	1.393E+02	1.800E+02
1.271E+03	1.170E+03	1.738E+02	1.241E+04	1.121E+05	1.251E+05	1.271E+03	1.170E+03	1.738E+02	1.241E+04	1.783E+04	1.151E+05
1.762E+02	1.124E+01	1.288E+02	1.299E+03	1.201E+04	1.177E+03	1.762E+02	1.124E+01	1.288E+02	1.299E+03	1.370E+04	1.250E+03
1.343E+01	1.205E+02	1.538E+00	1.570E+01	1.156E+03	1.117E+04	1.343E+01	1.205E+02	1.538E+00	1.570E+01	1.188E+03	1.238E+04
1.785E+01	1.188E+02	1.167E+02	1.785E+03	1.247E+04	1.637E+03	1.785E+01	1.188E+02	1.167E+02	1.785E+03	1.346E+04	1.464E+03
1.232E+02	1.490E+02	1.212E+02	1.181E+03	1.206E+04	1.409E+04	1.232E+02	1.490E+02	1.212E+02	1.181E+03	1.330E+04	1.121E+04
1.329E+02	1.291E+01	1.689E+01	1.341E+03	1.436E+04	1.803E+03	1.329E+02	1.291E+01	1.689E+01	1.341E+03	1.599E+04	1.632E+03
1.990E+01	1.527E+00	1.200E+02	1.271E+03	1.391E+04	1.109E+03	1.990E+01	1.527E+00	1.200E+02	1.271E+03	1.239E+04	1.140E+03
1.365E+02	1.109E+02	1.152E+04	1.832E+02	1.774E+01	1.222E+00	1.365E+02	1.109E+02	1.152E+04	1.832E+02	1.786E+01	1.150E+00
1.219E+01	1.353E+00	1.400E+02	1.274E+03	1.301E+04	1.562E+02	1.219E+01	1.353E+00	1.400E+02	1.274E+03	1.672E+03	1.445E+02
1.132E+01	1.438E+02	1.354E+01	1.178E+01	1.461E+03	1.803E+02	1.132E+01	1.438E+02	1.354E+01	1.178E+01	1.390E+02	1.805E+02
1.861E+00	1.943E+01	1.306E+01	1.177E+01	1.155E+03	1.361E+02	1.861E+00	1.943E+01	1.306E+01	1.177E+01	1.237E+02	1.306E+02
1.105E+02	1.056E+00	1.147E+02	1.406E+03	1.153E+04	1.215E+04	1.105E+02	1.056E+00	1.147E+02	1.406E+03	1.660E+03	1.219E+04
1.424E+01	1.258E+01	1.420E+01	1.671E+02	1.618E+01	1.508E+03	1.424E+01	1.258E+01	1.420E+01	1.671E+02	1.252E+03	1.654E+03
1.196E+00	1.736E+00	1.174E+01	1.630E+01	1.106E+03	1.686E+02	1.196E+00	1.736E+00	1.174E+01	1.630E+01	1.437E+01	1.116E+03
1.298E+02	1.397E+01	1.257E+02	1.551E+02	1.504E+03	1.226E+03	1.298E+02	1.397E+01	1.257E+02	1.551E+02	1.207E+04	1.614E+01
1.978E+00	1.771E+00	1.200E+03	1.333E+01	1.721E+01	1.104E+03	1.978E+00	1.771E+00	1.200E+03	1.333E+01	1.452E+01	1.590E+02
1.269E+02	1.146E+01	1.101E+01	1.531E+01	1.312E+02	1.772E+02	1.269E+02	1.146E+01	1.101E+01	1.531E+01	1.280E+02	1.163E+01
1.912E+01	1.803E+01	1.952E+01	1.112E+03	1.115E+04	1.549E+02	1.912E+01	1.803E+01	1.952E+01	1.112E+03	1.596E+03	1.451E+03
1.251E+02	1.712E+01	1.871E+01	1.440E+00	1.794E+03	1.147E+03	1.251E+02	1.712E+01	1.871E+01	1.440E+00	1.283E+03	1.220E+03
1.370E+02	1.531E+01	1.998E+01	1.150E+03	1.547E+02	1.285E+02	1.370E+02	1.531E+01	1.998E+01	1.150E+03	1.530E+03	1.285E+03
1.260E+02	1.645E+00	1.290E+01	1.301E+02	1.137E+03	1.419E+02	1.260E+02	1.645E+00	1.290E+01	1.301E+02	1.368E+03	1.797E+02
1.340E+01	1.323E+01	1.173E+00	1.531E+01	1.258E+02	1.267E+03	1.340E+01	1.323E+01	1.173E+00	1.531E+01	1.359E+02	1.764E+02
1.844E+00	1.124E+00	1.560E+00	1.215E+01	1.499E+02	1.645E+01	1.844E+00	1.124E+00	1.560E+00	1.215E+01	1.171E+02	1.608E+00

SQUARE ROOT SUM OF THE SQUARES  
 1.840E+03 1.395E+03 1.625E+03 1.996E+04 1.832E+05 1.465E+05 1.840E+03 1.395E+03 1.625E+03 1.996E+04 1.472E+05 1.245E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 1.929E+03 1.493E+03 1.712E+03 1.321E+05 1.968E+05 1.542E+05 1.929E+03 1.493E+03 1.712E+03 1.321E+05 1.585E+05 1.267E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 18 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
1.101E+02	1.1400E+01	1.261E+01	1.475E+03	1.209E+03	1.444E+03	1.101E+02	1.1400E+01	1.261E+01	1.475E+03	1.568E+02	1.362E+03
1.819E+02	1.149E+02	1.194E+02	1.562E+03	1.542E+04	1.962E+03	1.819E+02	1.149E+02	1.194E+02	1.562E+03	1.728E+04	1.740E+03





824E+03 .3953E+03 .6253E+03 .769E+04 .8323E+05 .4657E+05 .8401E+03 .307E+03 .6253E+03 .9989E+04 .723E+05 .2454E+05  
CLOSELY SPACED MCOF SUMMATION METHOD  
9294E+03 .4936E+03 .7121E+03 .1321E+05 .9686E+05 .5422E+05 .9294E+03 .4936E+03 .7121E+03 .1321E+05 .9686E+05 .5422E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER : 18)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-1.011E+02	-1.400E+01	-2.611E+01	-4.754E+03	2.099E+03	-4.443E+03	-1.011E+02	-1.400E+01	-2.611E+01	-4.754E+03	5.683E+02	-3.622E+03
8.194E+02	1.494E+02	2.666E+02	5.505E+03	-4.291E+04	1.353E+03	8.194E+02	1.494E+02	2.666E+02	5.505E+03	-2.728E+04	-7.405E+03
6.502E+02	1.278E+03	6.971E+02	-7.352E+04	3.954E+04	-3.144E+02	6.002E+02	1.278E+03	6.971E+02	-7.352E+04	-1.328E+03	-7.525E+04
8.378E+02	1.392E+03	8.501E+02	3.332E+04	-8.360E+04	-6.151E+04	8.378E+02	1.392E+03	8.501E+02	3.332E+04	-3.378E+04	2.007E+04
-8.150E+03	-1.250E+03	5.286E+03	4.441E+04	-8.387E+05	-5.000E+04	-8.150E+03	-1.250E+03	5.286E+03	4.441E+04	-1.290E+05	2.330E+04
-1.285E+03	2.675E+03	4.208E+02	-4.821E+04	3.917E+04	1.660E+05	-1.285E+03	2.675E+03	4.208E+02	-4.821E+04	1.450E+04	9.192E+03
4.544E+00	-2.464E+02	9.209E+02	1.735E+04	-7.701E+04	-6.739E+03	4.544E+00	-2.464E+02	9.209E+02	1.735E+04	-2.302E+04	7.705E+03
1.131E+01	-2.443E+01	7.079E+00	-2.922E+02	-3.933E+02	1.611E+02	1.131E+01	-2.443E+01	7.079E+00	-2.922E+02	2.171E+01	1.593E+03
-2.706E+03	1.707E+03	4.991E+02	-3.727E+04	-7.831E+04	1.489E+05	-2.706E+03	1.707E+03	4.991E+02	-3.727E+04	-4.905E+04	4.884E+04
-7.844E+02	1.240E+01	2.204E+02	3.203E+03	3.705E+04	-2.235E+03	-7.844E+02	1.240E+01	2.204E+02	3.203E+03	4.997E+04	-2.982E+03
3.370E+01	-2.057E+02	8.360E+00	-2.023E+03	1.581E+03	2.376E+04	3.370E+01	-2.057E+02	8.360E+00	-2.023E+03	2.371E+03	3.582E+04
9.320E+01	1.880E+02	-1.604E+02	-7.418E+03	-3.461E+04	-5.311E+03	9.320E+01	1.880E+02	-1.604E+02	-7.418E+03	-4.401E+04	-1.633E+04
2.501E+02	-4.909E+02	-1.910E+02	2.874E+03	-3.306E+04	1.197E+04	2.501E+02	-4.909E+02	-1.910E+02	2.874E+03	-4.426E+04	1.682E+04
-3.218E+02	2.918E+01	-9.743E+01	2.866E+03	3.991E+04	6.603E+03	-3.218E+02	2.918E+01	-9.743E+01	2.866E+03	3.420E+04	4.842E+03
7.680E+01	5.278E+00	2.681E+02	-2.584E+03	-2.391E+04	-1.637E+03	7.680E+01	5.278E+00	2.681E+02	-2.584E+03	-8.192E+03	-1.947E+03
-3.643E+02	1.097E+02	-3.038E+03	-2.215E+01	7.844E+01	1.568E+00	-3.643E+02	1.097E+02	-3.038E+03	-2.215E+01	6.083E+01	9.252E+01
1.155E+01	3.538E+00	-4.005E+02	2.140E+03	6.725E+03	6.391E+02	1.155E+01	3.538E+00	-4.005E+02	2.140E+03	-1.675E+04	4.317E+02
-5.755E+00	4.388E+02	-8.627E+01	5.255E+01	-3.908E+02	-8.042E+02	-5.755E+00	4.388E+02	-8.627E+01	5.255E+01	-5.449E+03	-8.068E+02
-2.169E+00	9.436E+01	3.096E+01	-4.440E+01	3.705E+02	-3.034E+02	-2.169E+00	9.436E+01	3.096E+01	-4.440E+01	2.053E+03	2.481E+02
1.528E+02	-6.561E+00	-1.346E+02	2.139E+03	6.660E+03	2.219E+04	1.528E+02	-6.561E+00	-1.346E+02	2.139E+03	-1.233E+03	2.257E+04
-4.599E+01	2.586E+01	3.822E+01	-9.332E+01	2.529E+03	-6.631E+03	-4.599E+01	2.586E+01	3.822E+01	-9.332E+01	4.770E+03	-8.147E+03
4.341E+01	-7.339E+00	1.757E+01	-3.474E+01	-4.379E+01	1.120E+03	4.341E+01	-7.339E+00	1.757E+01	-3.474E+01	9.860E+02	1.552E+03
2.514E+02	3.975E+01	-2.367E+02	5.543E+02	-2.075E+04	-1.316E+01	2.514E+02	3.975E+01	-2.367E+02	5.543E+02	-3.402E+04	-2.344E+03
9.922E+00	-7.716E+00	-1.141E+00	8.468E+01	-4.524E+01	-5.550E+02	9.922E+00	-7.716E+00	-1.141E+00	8.468E+01	-1.122E+02	-1.326E+02
-2.892E+02	1.463E+01	-1.516E+01	8.937E+01	2.809E+02	-1.629E+03	-2.892E+02	1.463E+01	-1.516E+01	8.937E+01	-6.078E+02	-2.487E+03
8.258E+01	8.633E+01	1.029E+02	-7.242E+02	-5.946E+03	-4.592E+03	8.258E+01	8.633E+01	1.029E+02	-7.242E+02	6.346E+01	-9.654E+03
-2.577E+02	-7.129E+01	6.489E+01	-1.882E+02	-2.836E+03	2.240E+03	-2.577E+02	-7.129E+01	6.489E+01	-1.882E+02	9.681E+02	6.360E+03
3.005E+02	5.351E+01	1.318E+02	-1.294E+03	5.304E+03	-2.976E+03	3.005E+02	5.351E+01	1.318E+02	-1.294E+03	1.303E+04	-6.113E+03
2.705E+02	6.450E+00	-5.471E+00	4.283E+02	-3.081E+03	-7.633E+02	2.705E+02	6.450E+00	-5.471E+00	4.283E+02	-3.401E+03	-1.141E+03
-3.402E+01	-3.248E+01	-1.243E+00	1.260E+02	3.597E+02	-7.619E+02	-3.402E+01	-3.248E+01	-1.243E+00	1.260E+02	2.869E+02	1.143E+03
-7.927E+00	1.241E+00	-6.324E+00	-2.090E+01	1.710E+02	-7.936E+00	-7.927E+00	1.241E+00	-6.324E+00	-2.090E+01	-1.998E+02	-8.057E+01

SQUARE ROOT SUM OF THE SQUARES  
8.872E+03 .3953E+03 .5565E+03 .1127E+05 .4723E+05 .2397E+05 .8872E+03 .3953E+03 .5565E+03 .1127E+05 .1762E+05 .1088E+05  
CLOSELY SPACED MCOF SUMMATION METHOD  
9.699E+03 .4936E+03 .6491E+03 .1496E+05 .5585E+05 .2585E+05 .9699E+03 .4936E+03 .6491E+03 .1496E+05 .2126E+05 .1308E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER : 19)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-9.126E+01	-1.900E+01	-3.829E+01	-4.421E+03	5.883E+02	-4.022E+03	-9.126E+01	-1.900E+01	-3.829E+01	-4.421E+03	-1.676E+03	-2.908E+03
6.643E+02	1.656E+02	2.762E+02	6.129E+03	-2.728E+04	-6.897E+03	6.643E+02	1.656E+02	2.762E+02	6.129E+03	-1.108E+04	-1.661E+04
7.140E+02	1.626E+03	1.067E+03	-6.676E+04	-1.328E+03	-8.136E+04	7.140E+02	1.626E+03	1.067E+03	-6.676E+04	-6.390E+04	-1.757E+05
1.022E+03	-1.765E+03	1.741E+03	3.145E+04	-3.376E+04	2.290E+04	1.022E+03	-1.765E+03	1.741E+03	3.145E+04	6.831E+04	1.264E+05
-1.031E+04	-1.633E+03	8.534E+03	4.272E+04	1.290E+05	2.712E+04	-1.031E+04	-1.633E+03	8.534E+03	4.272E+04	3.713E+05	1.229E+05
-2.246E+03	3.741E+03	4.206E+02	-4.883E+04	-1.450E+04	4.961E+03	-2.246E+03	3.741E+03	4.206E+02	-4.883E+04	1.016E+04	-2.144E+05
-5.674E+02	3.634E+02	-2.832E+02	1.661E+04	-2.302E+04	9.186E+03	-5.674E+02	3.634E+02	-2.832E+02	1.661E+04	-3.962E+04	3.107E+04
1.046E+01	-3.265E+01	-1.055E+01	-4.258E+02	2.171E+01	1.362E+03	1.046E+01	-3.265E+01	-1.055E+01	-4.258E+02	5.969E+02	3.476E+03
-1.187E+03	2.763E+03	1.792E+03	-4.136E+04	-4.905E+04	4.541E+04	-1.187E+03	2.763E+03	1.792E+03	-4.136E+04	5.601E+04	-1.177E+05
-1.214E+03	-2.945E+01	-2.989E+02	3.444E+03	4.977E+04	-2.672E+03	-1.214E+03	-2.945E+01	-2.989E+02	3.444E+03	3.245E+04	-9.454E+02
1.946E+01	-1.842E+02	-2.720E+01	5.133E+03	2.371E+03	3.551E+04	1.946E+01	-1.842E+02	-2.720E+01	5.133E+03	7.707E+02	4.630E+04
1.149E+01	3.113E+02	4.238E+02	-5.968E+03	-4.401E+04	-1.691E+04	1.149E+01	3.113E+02	4.238E+02	-5.968E+03	-1.917E+04	-3.517E+04
1.325E+02	-8.554E+02	3.896E+02	1.399E+03	-4.426E+04	1.700E+04	1.325E+02	-8.554E+02	3.896E+02	1.399E+03	-2.142E+04	6.716E+04
-3.009E+02	6.039E+01	-5.026E+02	2.430E+03	3.420E+04	5.123E+03	-3.009E+02	6.039E+01	-5.026E+02	2.430E+03	4.730E+03	1.582E+03
1.382E+01	3.575E+01	3.277E+02	-2.407E+03	-8.192E+03	-2.164E+03	1.382E+01	3.575E+01	3.277E+02	-2.407E+03	1.102E+04	-4.260E+03
-2.960E+02	4.264E+02	-8.743E+03	-3.012E+01	6.083E+01	9.024E+01	-2.960E+02	4.264E+02	-8.743E+03	-3.012E+01	9.565E+02	-1.596E+00
1.113E+02	-1.435E+01	-6.797E+01	2.148E+03	-1.675E+04	6.210E+02	1.113E+02	-1.435E+01	-6.797E+01	2.148E+03	-2.074E+04	1.462E+03
8.973E+00	-2.482E+01	1.612E+01	1.226E+02	-5.449E+03	-7.991E+02	8.973E+00	-2.482E+01	1.612E+01	1.226E+02	-4.387E+03	6.500E+02
-2.606E+00	7.269E+00	-8.282E+00	-6.583E+01	2.053E+03	2.433E+02	-2.606E+00	7.269E+00	-8.282E+00	-6.583E+01	1.567E+03	-1.826E+02
1.707E+02	5.542E+02	-1.049E+02	1.657E+02	-1.237E+03	2.267E+04	1.707E+02	5.542E+02	-1.049E+02	1.657E+02	-7.381E+03	-9.620E+03
-4.556E+01	-1.988E+02	-5.144E+01	0.122E+02	4.770E+03	-1.612E+03	-4.556E+01	-1.988E+02	-5.144E+01	0.122E+02	1.754E+03	3.530E+03
-2.561E+00	4.049E+01	-3.166E+00	-1.697E+02	9.806E+02	-1.543E+03	-2.561E+00	4.049E+01	-3.166E+00	-1.697E+02	8.004E+02	-8.311E+02
2.530E+02	-6.682E+01	4.976E+02	7.562E+02	-3.462E+04	-2.287E+03	2.530E+02	-6.682E+01	4.976E+02	7.562E+02	-5.452E+03	1.631E+03
1.099E+01	2.512E+00	7.660E+01	7.590E+01	-1.122E+02	-1.248E+02	1.099E+01	2.512E+00	7.660E+01	7.590E+01	-6.725E+01	-2.720E+02
-3.434E+02	-4.222E+01	1.817E+01	3.054E+02	-6.078E+02	-2.409E+03	-3.434E+02	-4.222E+01	1.817E+01	3.054E+02	4.574E+02	6.129E+00



1300E+01	3575E+01	3277E+02	207E+03	8192E+03	2164E+03	1382E+01	350E+01	3277E+01	2407E+03	102E+04	2260E+03
2060E-02	4264E-02	8743E-03	5012E-01	6083E-01	9024E-01	2960E-02	4264E-02	8743E-03	3012E-01	7565E-02	1598E-00
1113E+02	1435E+01	6797E+01	2144E+03	1675E+04	6710E+03	1113E+02	1435E+01	6797E+01	2144E+03	2074E+04	1462E+03
973E+00	2482E+01	1812E+01	1226E+02	5449E+03	7491E+02	6973E+00	2482E+01	1812E+01	1226E+02	4387E+03	6500E+02
2608E+00	7269E+00	8282E+00	6563E+01	2053E+03	2433E+02	2608E+00	7269E+00	8282E+00	6563E+01	1567E+03	1826E+02
1707E+02	5542E+02	1949E+02	1657E+02	1233E+03	2267E+04	1707E+02	5542E+02	1949E+02	1657E+02	7381E+03	9820E+03
4556E+01	1988E+02	5144E+01	6162E+02	4770E+03	8124E+03	4556E+01	1988E+02	5144E+01	6162E+02	1754E+03	3530E+03
2561E+00	4049E+01	3166E+00	1697E+02	9860E+02	1543E+03	2561E+00	4049E+01	3166E+00	1697E+02	8004E+02	8311E+02
2530E+02	6622E+01	9776E+02	7567E+02	3462E+04	2287E+03	2530E+02	6622E+01	9776E+02	7567E+02	5452E+03	1631E+03
1099E+01	2512E+00	7660E-01	9596E+01	1122E+02	1248E+02	1099E+01	2512E+00	7660E-01	9596E+01	6725E+01	2720E+02
3434E+02	4222E+01	1817E+01	3054E+02	6078E+02	2409E+03	3434E+02	4222E+01	1817E+01	3054E+02	4574E+02	6129E+00
1245E+02	1623E+02	8712E+01	1188E+02	6340E+01	9601E+03	1245E+02	1623E+02	8712E+01	1188E+02	5171E+03	1658E+02
3667E+02	1156E+02	5411E+01	7428E+02	9881E+02	6339E+03	3667E+02	1156E+02	5411E+01	7428E+02	4140E+03	4309E+02
4674E+02	8537E+01	2275E+02	7568E+02	1303E+04	6202E+03	4674E+02	8537E+01	2275E+02	7568E+02	3081E+02	1197E+03
3316E+02	2617E+01	6694E+01	5261E+02	3461E+03	1100E+03	3316E+02	2617E+01	6694E+01	5261E+02	5234E+02	4344E+02
3022E+01	1517E+01	7220E+00	2015E+01	2867E+02	1149E+03	3022E+01	1517E+01	7220E+00	2015E+01	1364E+02	2595E+02
8399E+00	1025E+00	1728E-02	1377E+01	1998E+02	8219E+01	8399E+00	1025E+00	1728E-02	1377E+01	1988E+02	2207E+01

SQUARE ROOT SLM OF THE SQUARES

1083E+04	5623E+03	9036E+03	1086E+05	1762E+05	1130E+05	1083E+04	5623E+03	9036E+03	1086E+05	1762E+05	1130E+05
1198E+04	6869E+03	1076E+04	1430E+05	2126E+05	1436E+05	1198E+04	6869E+03	1076E+04	1430E+05	2126E+05	1436E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 20 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-2397E+02	-3191E+02	1395E+01	-4150E+03	-1676E+03	-3283E+03	-2397E+02	-3191E+02	1395E+01	-4150E+03	-8584E+02	1542E+04
1612E+03	-1202E+01	1557E+03	7555E+03	-1108E+04	-1601E+04	1612E+03	-1202E+01	1557E+03	7555E+03	8019E+04	-1531E+04
4450E+02	-3981E+02	1557E+02	5103E+04	-6390E+04	-181E+05	4450E+02	-3981E+02	1557E+02	5103E+04	5477E+04	-1585E+05
6074E+01	2376E+02	7804E+02	2030E+04	6831E+04	1287E+05	6074E+01	2376E+02	7804E+02	2030E+04	2256E+04	1147E+05
-4227E+03	2124E+02	4444E+02	3183E+04	3713E+05	1262E+05	-4227E+03	2124E+02	4444E+02	3183E+04	3453E+05	1137E+05
2112E+02	-8730E+01	6128E+02	-2994E+04	1016E+04	-2178E+05	2112E+02	-8730E+01	6128E+02	-2994E+04	4608E+04	-2127E+05
1672E+02	-1985E+01	4391E+03	1379E+04	-3962E+04	3299E+04	1672E+02	-1985E+01	4391E+03	1379E+04	2178E+05	3416E+04
6757E+00	1871E+01	4811E+01	-7314E+02	-5969E+02	3026E+03	6757E+00	1871E+01	4811E+01	-7314E+02	2224E+03	2329E+03
-4086E+03	4244E+02	-4994E+02	-3095E+04	5611E+04	-1209E+05	-4086E+03	4244E+02	-4994E+02	-3095E+04	2674E+04	-1458E+05
-8050E+02	-1961E+02	-2758E+01	3518E+03	3245E+04	-6409E+02	-8050E+02	-1961E+02	-2758E+01	3518E+03	3083E+04	1065E+04
3178E+01	1000E+03	4635E+00	-9153E+03	7767E+02	4588E+04	3178E+01	1000E+03	4635E+00	-9153E+03	1048E+03	-1247E+04
8084E+01	-5060E+02	2354E+01	-2875E+03	-1917E+04	-3555E+04	8084E+01	-5060E+02	2354E+01	-2875E+03	-1779E+04	-5866E+03
2016E+02	1000E+03	1032E+01	-4465E+03	-2142E+04	6702E+04	2016E+02	1000E+03	1032E+01	-4465E+03	-2082E+04	8372E+03
-2665E+02	-1745E+01	-5080E+02	2282E+03	4736E+03	1788E+03	-2665E+02	-1745E+01	-5080E+02	2282E+03	-2505E+04	2811E+03
-8282E+00	-1245E+01	4774E+02	-2026E+03	1102E+04	-4454E+03	-8282E+00	-1245E+01	4774E+02	-2026E+03	3901E+04	-3645E+03
-3178E-02	-1591E-02	-1433E-02	-1604E-01	9565E-02	-1618E+00	-3178E-02	-1591E-02	-1433E-02	-1604E-01	-7443E-01	-6852E-01
1121E+02	4854E+01	-2720E+02	2012E+03	-2674E+04	1644E+03	1121E+02	4854E+01	-2720E+02	2012E+03	-3669E+04	-1201E+03
8809E+00	1115E+01	-2480E+01	6428E+01	-4387E+03	6642E+02	8809E+00	1115E+01	-2480E+01	6428E+01	1584E+03	1065E+01
-2559E+00	3570E+00	7005E+00	-4963E+01	1567E+03	-1874E+02	-2559E+00	3570E+00	7005E+00	-4963E+01	1978E+03	-3972E+02
1A31E+02	-1622E+02	-1444E+02	1022E+03	-7381E+03	-9768E+03	1A31E+02	-1622E+02	-1444E+02	1022E+03	-1585E+04	-2615E+02
-4316E+01	6603E+01	-4324E+01	3059E+02	1754E+03	3570E+03	-4316E+01	6603E+01	-4324E+01	3059E+02	-7804E+02	-3009E+02
-2493E+00	-1644E+01	3005E+00	-9652E+01	8006E+02	-8428E+02	-2493E+00	-1644E+01	3005E+00	-9652E+01	9766E+02	-1211E+02
2160E+02	9208E+01	4902E-02	6110E+02	-5452E+03	1691E+03	2160E+02	9208E+01	4902E-02	6110E+02	2329E+04	-3707E+03
1078E+01	-4321E+01	1704E+00	1193E+02	-6125E+01	-2626E+02	1078E+01	-4321E+01	1704E+00	1193E+02	3267E+01	2270E+03
-3368E+02	-4792E+01	-2028E+01	3037E+02	4574E+02	3275E+01	-3368E+02	-4792E+01	-2028E+01	3037E+02	7313E+02	2842E+03
1075E+02	-7656E+01	1306E+02	1328E+02	5171E+03	-1548E+02	1075E+02	-7656E+01	1306E+02	1328E+02	1283E+04	4533E+03
-3463E+02	4259E+01	3192E+01	-7018E+02	4140E+03	-5001E+02	-3463E+02	4259E+01	3192E+01	-7018E+02	6012E+03	-2947E+03
4740E+02	-3820E+01	-1760E+02	-6495E+02	-3381E+02	-1258E+03	4740E+02	-3820E+01	-1760E+02	-6495E+02	-1063E+04	9813E+02
3191E+02	-5461E+01	1658E+02	4862E+02	5234E+02	4786E+02	3191E+02	-5461E+01	1658E+02	4862E+02	6728E+03	3680E+03
-2489E+01	-4443E+01	-1116E+01	-2567E+00	-1364E+02	2603E+02	-2489E+01	-4443E+01	-1116E+01	-2567E+00	-7909E+02	2805E+03
-8239E+00	3143E-01	-1783E+00	-1122E+01	-1988E+02	-2319E+01	-8239E+00	3143E-01	-1783E+00	-1122E+01	-3033E+02	-4161E+01

SQUARE ROOT SLM OF THE SQUARES

6243E+03	1705E+03	4904E+03	7930E+04	3297E+05	3701E+05	6243E+03	1705E+03	4904E+03	7930E+04	3297E+05	3701E+05
6375E+03	2387E+03	5562E+03	1034E+05	4645E+05	4897E+05	6375E+03	2387E+03	5562E+03	1034E+05	4645E+05	4897E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 21 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-2322E+02	-3085E+02	-9644E+00	-5478E+03	-8584E+02	1500E+04	-2322E+02	-3085E+02	-9644E+00	-5478E+03	-1424E+03	3309E+04
1372E+03	-1752E+01	1455E+03	8859E+03	8019E+04	-1459E+04	1372E+03	-1752E+01	1455E+03	8859E+03	1655E+05	-1356E+04
5152E+02	-5337E+02	8373E+01	-3703E+04	-5477E+04	-1623E+05	5152E+02	-5337E+02	8373E+01	-3703E+04	-4986E+04	-1311E+05
2844E+02	3764E+02	-2257E+02	1023E+04	2256E+04	1161E+05	2844E+02	3764E+02	-2257E+02	1023E+04	9400E+04	9400E+04
-6168E+03	3573E+02	1044E+02	2181E+04	3453E+05	1160E+05	-6168E+03	3573E+02	1044E+02	2181E+04	3514E+05	9509E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 21 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-2322E+02	-3085E+02	-9644E+00	-5478E+03	-8584E+02	-1500E+04	-2322E+02	-3085E+02	-9644E+00	-5478E+03	-1424E+03	-3309E+04
-1372E+03	-1752E+01	-1455E+03	-8859E+03	-8019E+04	-1459E+04	-1372E+03	-1752E+01	-1455E+03	-8859E+03	-1655E+03	-1356E+04
-5152E+02	-5337E+02	-8373E+01	-3703E+04	-5477E+04	-1623E+05	-5152E+02	-5337E+02	-8373E+01	-3703E+04	-4986E+04	-1311E+05
-2844E+02	-3764E+02	-1023E+04	-1023E+04	-2256E+04	-1161E+05	-2844E+02	-3764E+02	-1023E+04	-1023E+04	-9331E+03	-9400E+04
-6168E+03	-3573E+02	-1044E+02	-2181E+04	-3453E+05	-1160E+05	-6168E+03	-3573E+02	-1044E+02	-2181E+04	-3514E+05	-9509E+04
-7279E+02	-5179E+02	-2036E+02	-1130E+04	-4608E+04	-2145E+05	-7279E+02	-5179E+02	-2036E+02	-1130E+04	-6037E+04	-1841E+05
-2663E+02	-4659E+01	-1416E+03	-1076E+04	-2178E+04	-3532E+04	-2663E+02	-4659E+01	-1416E+03	-1076E+04	-3007E+05	-3250E+04
-7556E+00	-1697E+01	-1294E+01	-9310E+02	-2224E+03	-2250E+03	-7556E+00	-1697E+01	-1294E+01	-9310E+02	-2985E+03	-1201E+03
-2475E+03	-9852E+01	-1192E+02	-1810E+04	-2674E+04	-1479E+05	-2475E+03	-9852E+01	-1192E+02	-1810E+04	-1421E+04	-1421E+04
-1155E+03	-2731E+01	-2780E+02	-2559E+03	-3083E+04	-1112E+04	-1155E+03	-2731E+01	-2780E+02	-2559E+03	-1453E+04	-1635E+04
-2225E+01	-4868E+02	-1543E+01	-7989E+03	-1048E+03	-1372E+04	-2225E+01	-4868E+02	-1543E+01	-7989E+03	-1437E+02	-4226E+04
-7692E+01	-2637E+02	-3254E+02	-2354E+03	-1779E+04	-6116E+03	-7692E+01	-2637E+02	-3254E+02	-2354E+03	-1286E+03	-9340E+03
-3374E+01	-5128E+02	-3369E+02	-5177E+03	-2082E+04	-7552E+03	-3374E+01	-5128E+02	-3369E+02	-5177E+03	-1066E+03	-2211E+04
-2316E+02	-7272E+00	-1867E+02	-2029E+03	-2505E+04	-2999E+03	-2316E+02	-7272E+00	-1867E+02	-2029E+03	-3599E+04	-3276E+03
-1250E+01	-8039E+00	-1025E+02	-1697E+03	-3201E+04	-3857E+03	-1250E+01	-8039E+00	-1025E+02	-1697E+03	-3300E+04	-3351E+03
-2505E+02	-6960E-03	-1384E-03	-1004E-01	-7443E-01	-6960E-01	-2505E+02	-6960E-03	-1384E-03	-1004E-01	-6254E-01	-2805E-01
-9151E+01	-1277E+01	-3643E+02	-2109E+03	-3669E+04	-1022E+03	-9151E+01	-1277E+01	-3643E+02	-2109E+03	-1533E+04	-1770E+03
-3675E+00	-4441E+00	-8484E+01	-6374E+01	-5841E+03	-1584E+01	-3675E+00	-4441E+00	-8484E+01	-6374E+01	-2445E+02	-4956E+02
-2227E+00	-1635E+00	-3063E+01	-1486E+01	-1978E+03	-4000E+02	-2227E+00	-1635E+00	-3063E+01	-1486E+01	-1822E+02	-8446E+02
-1544E+02	-1140E+01	-1368E+02	-1041E+03	-1595E+04	-1715E+02	-1544E+02	-1140E+01	-1368E+02	-1041E+03	-7824E+03	-5424E+02
-3675E+01	-1391E+01	-3666E+01	-3310E+02	-7804E+02	-2732E+02	-3675E+01	-1391E+01	-3666E+01	-3310E+02	-4379E+01	-1261E+02
-1640E-02	-4101E+00	-1741E+01	-1067E+02	-9766E+02	-1123E+02	-1640E-02	-4101E+00	-1741E+01	-1067E+02	-2294E+04	-1367E+03
-1697E+02	-3877E+01	-5987E+00	-9315E+02	-7329E+04	-3640E+03	-1697E+02	-3877E+01	-5987E+00	-9315E+02	-5537E+01	-1139E+03
-1096E+01	-1933E+01	-3871E-01	-7890E+01	-3267E+01	-2272E+03	-1096E+01	-1933E+01	-3871E-01	-7890E+01	-3454E+02	-1758E+03
-3725E+02	-1877E+01	-1837E+01	-5508E+01	-7313E+02	-2858E+03	-3725E+02	-1877E+01	-1837E+01	-5508E+01	-1296E+03	-3799E+03
-1875E+02	-9033E+00	-1967E+02	-2450E+02	-1283E+04	-4329E+03	-1875E+02	-9033E+00	-1967E+02	-2450E+02	-3402E+02	-2965E+03
-4671E+02	-1397E+00	-9674E+01	-4332E+02	-6012E+03	-3047E+03	-4671E+02	-1397E+00	-9674E+01	-4332E+02	-6556E+03	-9215E+02
-5449E+02	-9217E-03	-6947E+01	-7324E+02	-1063E+04	-9210E+02	-5449E+02	-9217E-03	-6947E+01	-7324E+02	-1444E+03	-1505E+03
-3602E+02	-4099E+01	-9014E+01	-1638E+02	-6728E+03	-3708E+03	-3602E+02	-4099E+01	-9014E+01	-1638E+02	-8852E+01	-6174E+01
-2674E+01	-4973E+01	-1198E+01	-2520E+02	-7909E+02	-2854E+03	-2674E+01	-4973E+01	-1198E+01	-2520E+02	-8149E+00	-1146E+01
-9657E+00	-9202E-01	-7583E+00	-8149E+00	-3033E+02	-4249E+01	-9657E+00	-9202E-01	-7583E+00	-8149E+00	-1412E+02	-1146E+01

SQUARE ROOT SUM OF THE SQUARES  
 7059E+03 1231E+03 2197E+03 5245E+04 4311E+05 3512E+05 7059E+03 1231E+03 2197E+03 5245E+04 5021E+05 3009E+05  
 CLOSELY SPACED MODE SUMMATION METHOD  
 7442E+03 1691E+03 2457E+03 6601E+04 4763E+05 4523E+05 7442E+03 1691E+03 2457E+03 6601E+04 5459E+05 3845E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 22 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-2305E+02	-3085E+02	-2984E+01	-8340E+03	-1424E+03	-3248E+04	-2305E+02	-3085E+02	-2984E+01	-8340E+03	-3173E+03	-5057E+04
-1240E+03	-1752E+01	-1569E+03	-1001E+04	-1655E+05	-1274E+04	-1240E+03	-1752E+01	-1569E+03	-1001E+04	-2575E+05	-1171E+04
-5059E+02	-5337E+02	-1283E+02	-2547E+04	-4966E+04	-1338E+05	-5059E+02	-5337E+02	-1283E+02	-2547E+04	-4234E+04	-1025E+05
-3630E+02	-3764E+02	-2001E+02	-2006E+03	-9331E+03	-9453E+04	-3630E+02	-3764E+02	-2001E+02	-2006E+03	-2397E+03	-7247E+04
-0153E+03	-3573E+02	-4334E+02	-1344E+04	-3514E+05	-9663E+04	-0153E+03	-3573E+02	-4334E+02	-1344E+04	-3260E+05	-7569E+04
-7443E+02	-5179E+02	-1793E+02	-4783E+03	-6037E+04	-1844E+05	-7443E+02	-5179E+02	-1793E+02	-4783E+03	-7080E+04	-1541E+05
-3885E+02	-4059E+01	-1386E+03	-7888E+03	-3007E+05	-3331E+04	-3885E+02	-4059E+01	-1386E+03	-7888E+03	-3819E+05	-3058E+04
-6596E+00	-1697E+01	-1362E+01	-1033E+03	-2885E+03	-1175E+03	-6596E+00	-1697E+01	-1362E+01	-1033E+03	-3784E+03	-1807E+02
-2575E+03	-9852E+01	-1056E+02	-5685E+03	-3373E+04	-1437E+05	-2575E+03	-9852E+01	-1056E+02	-5685E+03	-2754E+04	-1374E+05
-1126E+03	-2731E+01	-3775E+02	-1124E+03	-1453E+04	-1652E+04	-1126E+03	-2731E+01	-3775E+02	-1124E+03	-7596E+03	-2175E+04
-2351E+01	-4868E+02	-1344E+01	-4276E+03	-1437E+02	-4279E+04	-2351E+01	-4868E+02	-1344E+01	-4276E+03	-6440E+02	-7133E+04
-1050E+02	-2637E+02	-3174E+02	-3159E+03	-1266E+03	-9099E+03	-1050E+02	-2637E+02	-3174E+02	-3159E+03	-1989E+04	-2456E+04
-4253E+00	-5128E+02	-3385E+02	-3231E+03	-1066E+03	-2248E+04	-4253E+00	-5128E+02	-3385E+02	-3231E+03	-1878E+04	-5253E+04
-2145E+02	-4727E+00	-2062E+02	-1736E+03	-3599E+04	-3440E+03	-2145E+02	-4727E+00	-2062E+02	-1736E+03	-4808E+04	-3718E+03
-3519E+00	-8639E+00	-1032E+02	-1139E+03	-3300E+04	-3846E+03	-3519E+00	-8639E+00	-1032E+02	-1139E+03	-2695E+04	-2980E+03
-2484E-02	-6960E-03	-3562E-03	-7423E-02	-8254E-01	-2962E-01	-2484E-02	-6960E-03	-3562E-03	-7423E-02	-1034E+00	-1118E+01
-5942E+01	-1277E+01	-3709E+02	-2255E+03	-1533E+04	-1580E+03	-5942E+01	-1277E+01	-3709E+02	-2255E+03	-6415E+03	-2324E+03
-1044E+01	-4441E+00	-8425E+01	-8441E+00	-8070E+02	-2330E+02	-1044E+01	-4441E+00	-8425E+01	-8441E+00	-4072E+03	-4984E+02
-4887E+00	-1635E+00	-3032E+01	-2840E+01	-1822E+02	-4952E+02	-4887E+00	-1635E+00	-3032E+01	-2840E+01	-1595E+03	-5910E+02
-1423E+02	-1148E+01	-1498E+02	-1110E+03	-7824E+03	-7508E+02	-1423E+02	-1148E+01	-1498E+02	-1110E+03	-9508E+02	-1424E+03
-2796E+01	-1391E+01	-3322E+01	-2224E+02	-2578E+03	-5692E+02	-2796E+01	-1391E+01	-3322E+01	-2224E+02	-4525E+03	-1385E+03
-1500E+00	-4101E+00	-9514E+01	-1369E+02	-4379E+01	-1369E+02	-1500E+00	-4101E+00	-9514E+01	-1369E+02	-1060E+03	-3773E+02
-1646E+02	-3877E+01	-8820E+00	-1047E+03	-2294E+04	-1781E+03	-1646E+02	-3877E+01	-8820E+00	-1047E+03	-2345E+04	-9923E+02
-1089E+01	-1933E+01	-1341E+00	-1778E+02	-5537E+01	-1128E+03	-1089E+01	-1933E+01	-1341E+00	-1778E+02	-1340E+02	-5644E+00
-3726E+02	-1877E+01	-1416E+01	-9828E+01	-3454E+02	-1756E+03	-3726E+02	-1877E+01	-1416E+01	-9828E+01	-4845E+02	-6557E+02
-2039E+02	-9033E+00	-1796E+02	-5751E+02	-1296E+03	-3763E+03	-2039E+02	-9033E+00	-1796E+02	-5751E+02	-9231E+03	-3234E+03
-4569E+02	-1397E+00	-1371E+02	-1782E+02	-3402E+02	-2792E+03	-4569E+02	-1397E+00	-1371E+02	-1782E+02	-7695E+03	-2910E+03
-5268E+02	-9217E-03	-1167E+02	-8120E+02	-6554E+03	-6542E+02	-5268E+02	-9217E-03	-1167E+02	-8120E+02	-2838E+02	-8548E+02



-1.0E+01	.4441E+01	.8425E+01	.140E+01	-.8570E+02	-.2330E+02	.1046E+01	.40E+00	.8425E+01	.8480E+01	.172E+03	-.4984E+02
.4887E+00	.1635E+00	-.3032E+01	.2800E+01	.1822E+02	-.4457E+02	.4887E+00	.1635E+00	-.3032E+01	.2840E+01	-.1595E+03	-.5910E+02
.1423E+02	.1148E+01	.1498E+02	.1110E+03	-.7824E+03	-.7508E+02	.1423E+02	.1148E+01	.1498E+02	.1110E+03	.9568E+02	-.1424E+03
.796E+01	-.1391E+01	-.3322E+01	.2822E+02	-.2578E+03	.5692E+00	.2796E+01	-.1391E+01	-.3322E+01	.2822E+02	.4525E+03	.1385E+01
.1500E+00	.4101E+00	-.1734E+01	-.9514E+01	-.4379E+01	-.1369E+02	.1500E+00	.4101E+00	-.1734E+01	-.9514E+01	-.1060E+03	-.3773E+02
.156E+02	-.3877E+01	.8820E+00	.1047E+03	.2294E+04	-.1281E+03	.169E+02	-.3877E+01	.8820E+00	.1047E+03	.2345E+04	.9923E+02
.1089E+01	.1933E+01	.1341E+00	-.1778E+02	.5537E+01	.1128E+03	.1089E+01	.1933E+01	.1341E+00	-.1778E+02	.1340E+02	-.5694E+00
-.3720E+02	.1877E+01	-.1416E+01	-.9828E+01	.3454E+02	.1756E+03	-.3720E+02	.1877E+01	-.1416E+01	-.9828E+01	.4845E+02	.6557E+02
.2039E+02	.9033E+00	-.1794E+02	-.5751E+02	.1296E+03	.3763E+03	.2039E+02	.9033E+00	-.1794E+02	-.5751E+02	.9231E+03	.3234E+03
-.4569E+02	-.1397E+00	-.1371E+02	-.1782E+02	.3402E+02	-.2792E+03	-.4569E+02	-.1397E+00	-.1371E+02	-.1782E+02	.7695E+03	-.2910E+03
.5366E+02	-.9217E+03	.1167E+02	-.8130E+02	-.8556E+03	.8542E+02	.5366E+02	-.9217E+03	.1167E+02	-.8130E+02	.2838E+02	.8548E+02
.3667E+02	.4099E+01	-.5842E+01	.4948E+01	.1944E+03	.1315E+03	.3667E+02	.4099E+01	-.5842E+01	.4948E+01	-.1981E+03	-.1088E+03
-.2569E+01	.4973E+01	.9781E+00	-.2657E+02	-.8552E+01	-.8347E+01	-.2569E+01	.4973E+01	.9781E+00	-.2657E+02	.4649E+02	-.2999E+03
-.1048E+01	-.9202E+01	.6695E+00	-.9116E+00	.1412E+02	.1071E+01	-.1048E+01	-.9202E+01	.6695E+00	-.9116E+00	.5337E+02	.6465E+01

SQUARE ROOT SUM OF THE SQUARES

.7024E+03	.1231E+03	.2307E+03	.3428E+04	.5021E+05	.3095E+05	.7024E+03	.1231E+03	.2307E+03	.3428E+04	.5750E+05	.2710E+05
CLOSELY SPACED MODF SUMMATION METHOD											
.7437E+03	.1691E+03	.2551E+03	.3865E+04	.5459E+05	.3933E+05	.7437E+03	.1691E+03	.2551E+03	.3865E+04	.6251E+05	.3482E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 23)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.2186E+02	-.2866E+02	-.5237E+01	-.1271E+04	-.3173E+03	.4965E+04	-.2186E+02	-.2866E+02	-.5237E+01	-.1271E+04	-.6243E+03	.6645E+04
.1048E+03	-.2669E+01	.1398E+03	.1099E+04	.2575E+05	-.1080E+04	.1048E+03	-.2669E+01	.1398E+03	.1099E+04	.3395E+05	-.9232E+03
.5751E+02	-.7724E+02	.2148E+02	-.1644E+04	-.4234E+04	-.1043E+05	.5751E+02	-.7724E+02	.2148E+02	-.1644E+04	-.2975E+04	-.5905E+04
.4040E+02	.6293E+02	.1906E+02	-.4314E+03	-.2397E+03	.7237E+04	.4040E+02	.6293E+02	.1906E+02	-.4314E+03	.8776E+03	.3548E+04
-.8004E+03	.6248E+02	-.1746E+03	.6798E+03	.3260E+05	.7657E+04	-.8004E+03	.6248E+02	-.1746E+03	.6798E+03	.2237E+05	.3994E+04
-.1540E+03	-.1324E+03	-.5472E+02	.1818E+04	.7688E+04	-.1531E+05	-.1540E+03	-.1324E+03	-.5472E+02	.1818E+04	.3868E+04	-.7545E+04
.6495E+01	.1733E+02	-.2247E+03	.5195E+03	.3819E+05	.3115E+04	.6495E+01	.1733E+02	-.2247E+03	.5195E+03	.2502E+05	.2099E+04
.1768E+01	.1338E+01	-.2622E+01	-.1050E+03	.3784E+03	.8957E+01	.1768E+01	.1338E+01	-.2622E+01	-.1050E+03	.2247E+03	-.6946E+02
-.1202E+03	-.1114E+03	.3320E+02	.6304E+03	.2754E+04	-.1374E+05	-.1202E+03	-.1114E+03	.3320E+02	.6304E+03	.4700E+04	-.7205E+04
.1483E+03	.1137E+02	-.9228E+00	-.7744E+02	-.7596E+03	.2177E+04	.1483E+03	.1137E+02	-.9228E+00	-.7744E+02	.8137E+03	.1510E+04
.1565E+01	-.4711E+02	-.6886E+00	.1953E+03	-.6440E+02	-.7143E+04	.1565E+01	-.4711E+02	-.6886E+00	.1953E+03	-.1048E+03	.4301E+04
-.2811E+02	.1658E+02	.9002E+01	-.5288E+03	.1989E+04	.2419E+04	-.2811E+02	.1658E+02	.9002E+01	-.5288E+03	.2540E+04	.1447E+04
-.2170E+02	-.3305E+02	.1115E+02	.1358E+03	.1878E+04	-.3262E+04	-.2170E+02	-.3305E+02	.1115E+02	.1358E+03	.2531E+04	-.3324E+04
-.3048E+02	.1368E+01	.3786E+02	.1405E+03	-.4408E+04	.3855E+03	-.3048E+02	.1368E+01	.3786E+02	.1405E+03	-.2589E+04	.3052E+03
.1236E+02	.2428E+00	-.4429E+02	-.1134E+03	.2695E+04	-.3090E+03	.1236E+02	.2428E+00	-.4429E+02	-.1134E+03	.9816E+02	-.3232E+03
-.2166E+02	-.4726E+05	.1198E+02	-.8429E+02	-.1034E+00	.1049E+01	-.2166E+02	-.4726E+05	.1198E+02	-.8429E+02	-.3322E+01	.1077E+01
-.3864E+01	-.1480E+01	.2600E+02	.2449E+02	.6415E+03	-.2123E+03	-.3864E+01	-.1480E+01	.2600E+02	.2449E+02	.2166E+04	-.1256E+03
-.2847E+01	.1835E+01	.1977E+01	.1279E+02	.4072E+03	-.4891E+02	-.2847E+01	.1835E+01	.1977E+01	.1279E+02	.5231E+03	-.1505E+03
.1127E+01	.5833E+00	-.5036E+00	.7977E+01	-.1595E+03	-.5863E+02	.1127E+01	.5833E+00	-.5036E+00	.7977E+01	.1890E+03	-.9282E+02
.7123E+01	.2722E+00	.1222E+02	.1230E+03	.9568E+02	-.1327E+03	.7123E+01	.2722E+00	.1222E+02	.1230E+03	.8120E+03	-.1463E+03
-.2839E+01	-.5976E+01	.4942E+01	.1607E+02	-.4525E+03	.1404E+03	-.2839E+01	-.5976E+01	.4942E+01	.1607E+02	-.1629E+03	.1439E+03
.4055E+00	.1340E+00	.2017E+00	-.6191E+01	-.1060E+03	-.3842E+02	.4055E+00	.1340E+00	.2017E+00	-.6191E+01	-.5275E+03	.2609E+03
.2629E+02	-.2608E+01	-.4901E+02	.9567E+02	.2345E+04	.1080E+03	.2629E+02	-.2608E+01	-.4901E+02	.9567E+02	.4612E+00	-.1147E+03
.1102E+01	.1921E+01	-.2207E+00	-.1767E+02	.1340E+02	-.2116E+01	.1102E+01	.1921E+01	-.2207E+00	-.1767E+02	.6091E+02	-.1196E+03
-.3879E+02	.3140E+01	.1866E+01	-.1559E+02	-.4845E+02	.6447E+02	-.3879E+02	.3140E+01	.1866E+01	-.1559E+02	.7657E+03	-.1511E+03
.2840E+02	.7968E+01	.2685E+01	-.8546E+02	-.9231E+03	.3171E+03	.2840E+02	.7968E+01	.2685E+01	-.8546E+02	-.3285E+03	.4656E+02
-.5059E+02	-.5766E+01	.7524E+01	.7595E+01	-.7695E+03	-.2914E+03	-.5059E+02	-.5766E+01	.7524E+01	.7595E+01	.5115E+03	-.1535E+03
.5140E+02	.3951E+01	-.8241E+01	-.8813E+02	.2638E+02	.7810E+02	.5140E+02	.3951E+01	-.8241E+01	-.8813E+02	.2197E+04	-.1925E+03
.3909E+02	.7962E+00	-.2605E+01	.1441E+02	-.1981E+03	-.1080E+03	.3909E+02	.7962E+00	-.2605E+01	.1441E+02	.3541E+02	-.1439E+03
-.1403E+01	-.2678E+01	-.2230E+00	.1644E+01	.4049E+02	-.3009E+03	-.1403E+01	-.2678E+01	-.2230E+00	.1644E+01	.6219E+01	.1245E+00
-.9682E+00	.1064E+00	-.8043E+00	-.1471E+01	.5337E+02	.6361E+01	-.9682E+00	.1064E+00	-.8043E+00	-.1471E+01		

SQUARE ROOT SUM OF THE SQUARES

.8540E+03	.2208E+03	.3354E+03	.3201E+04	.4851E+05	.1602E+05
CLOSELY SPACED MODF SUMMATION METHOD					
.9042E+03	.2743E+03	.3830E+03	.3896E+04	.6251E+05	.3489E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 24)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.2132E+02	-.2866E+02	-.7125E+01	-.1846E+04	-.6243E+03	.6509E+04	-.2132E+02	-.2866E+02	-.7125E+01	-.1846E+04	-.1042E+04	.8189E+04
.9215E+02	-.2669E+01	.1484E+03	.1175E+04	.3395E+05	-.8238E+03	.9215E+02	-.2669E+01	.1484E+03	.1175E+04	.4265E+05	-.6674E+03
.5542E+02	-.7724E+02	.2641E+02	-.1123E+04	-.2975E+04	-.6026E+04	.5542E+02	-.7724E+02	.2641E+02	-.1123E+04	-.1427E+04	-.1498E+04
.3658E+02	.6293E+02	.2251E+02	-.7394E+03	.8776E+03	.3497E+04	.3658E+02	.6293E+02	.2251E+02	-.7394E+03	.2197E+04	-.1925E+03
-.7621E+03	.6248E+02	-.2438E+03	.3286E+03	.2237E+05	.4038E+04	-.7621E+03	.6248E+02	-.2438E+03	.3286E+03	.8677E+04	.3751E+03
-.1486E+03	-.1324E+03	-.6815E+02	.2470E+04	.3866E+04	-.7359E+04	-.1486E+03	-.1324E+03	-.6815E+02	.2470E+04	.1270E+03	.4024E+03
.2608E+02	.1733E+02	-.2232E+03	.3434E+03	.2502E+05	.2136E+04	.2608E+02	.1733E+02	-.2232E+03	.3434E+03	.1194E+05	.1120E+04
.1690E+01	.1338E+01	-.2457E+01	-.9850E+02	.2247E+03	-.7835E+02	.1690E+01	.1338E+01	-.2457E+01	-.9850E+02	.8066E+02	-.1508E+03





PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.32E+02	-.2866E+02	-.7125E+01	-.1846E+04	-.6243E+03	-.6509E+04	.132E+02	-.2866E+02	-.7125E+01	-.1846E+04	-.1042E+04	.8189E+04
.215E+02	-.2669E+01	.1484E+03	.1175E+04	.3395E+05	-.8238E+03	.4215E+02	-.2669E+01	.1484E+03	.1175E+04	.4265E+05	-.6674E+03
.5542E+02	-.7724E+02	.2641E+02	-.1123E+04	-.2975E+04	-.6026E+04	.5542E+02	-.7724E+02	.2641E+02	-.1123E+04	-.1427E+04	-.1498E+04
.3658E+02	.6293E+02	.2251E+02	-.7394E+03	.8776E+03	.3497E+04	.3658E+02	.6293E+02	.2251E+02	-.7394E+03	.2197E+04	-.1425E+03
-.7621E+03	.6248E+02	-.2438E+03	.3286E+03	.2237E+05	.0036E+04	-.7621E+03	.6248E+02	-.2438E+03	.3286E+03	.8077E+04	.3751E+03
-.1486E+03	-.1324E+03	-.6815E+02	.2470E+04	.3868E+04	-.735E+04	-.1486E+03	-.1324E+03	-.6815E+02	.2470E+04	-.1270E+03	.4024E+03
.2608E+02	.1733E+02	-.2232E+03	.3343E+03	.2532E+05	.2135E+04	.2608E+02	.1733E+02	-.2232E+03	.3343E+03	.1194E+05	.1120E+04
.1490E+01	.1338E+01	-.2457E+01	-.9850E+02	.7271E+03	-.7835E+02	.1990E+01	.1338E+01	-.2457E+01	-.9850E+02	.8060E+02	-.1508E+03
-.1226E+03	-.1114E+03	.2250E+02	.1257E+04	.4700E+04	-.7122E+04	-.1226E+03	-.1114E+03	.2250E+02	.1257E+04	.6024E+04	-.5842E+03
-.1477E+03	.1137E+02	-.1386E+02	-.2089E+03	-.8137E+03	.1497E+04	-.1477E+03	.1137E+02	-.1386E+02	-.2089E+03	-.1626E+04	.8305E+03
.1619E+01	-.4711E+02	-.5074E+00	.5769E+03	-.1048E+03	-.4348E+04	.1619E+01	-.4711E+02	-.5074E+00	.5769E+03	-.1370E+03	-.1586E+04
-.2883E+02	.1658E+02	.6912E+01	-.652E+03	.2540E+04	.1395E+04	-.2883E+02	.1658E+02	.6912E+01	-.652E+03	.2940E+04	.4237E+03
-.2259E+02	-.1305E+02	.9211E+01	.4250E+03	.2531E+04	-.3300E+04	-.2259E+02	-.1305E+02	.9211E+01	.4250E+03	.3071E+04	-.1362E+04
-.3366E+02	.1368E+01	.3506E+02	.1134E+03	-.2569E+04	.3163E+03	-.3366E+02	.1368E+01	.3506E+02	.1134E+03	-.5337E+03	.2361E+03
.1616E+02	.2428E+00	-.0304E+02	-.8473E+02	.9816E+02	-.3319E+03	.1616E+02	.2428E+00	-.0304E+02	-.8473E+02	-.2425E+04	-.3461E+03
-.2262E+02	-.4726E+05	.1004E+02	-.9336E+02	.3322E+01	.998E+02	-.2262E+02	-.4726E+05	.1004E+02	-.9336E+02	.2563E+01	.1027E+01
-.6119E+01	-.1480E+01	.2557E+02	.2550E+03	.2166E+04	-.1637E+03	-.6119E+01	-.1480E+01	.2557E+02	.2550E+03	.3605E+04	-.1697E+02
-.3009E+01	.1835E+01	.1721E+01	.2640E+02	.5231E+03	-.1548E+03	-.3009E+01	.1835E+01	.1721E+01	.2640E+02	-.2126E+03	-.1260E+03
.1167E+01	.5833E+00	-.4033E+00	.1605E+02	.1605E+03	-.1977E+02	.1167E+01	.5833E+00	-.4033E+00	.1605E+02	-.2126E+03	-.1260E+03
.6050E+01	.2742E+00	.1280E+02	.1355E+03	.8120E+03	-.1370E+03	.6050E+01	.2742E+00	.1280E+02	.1355E+03	.1562E+04	-.1530E+03
-.3259E+01	-.5976E+01	.4675E+01	.3453E+01	-.1629E+03	.1448E+03	-.3259E+01	-.5976E+01	.4675E+01	.3453E+01	.1112E+03	.1483E+03
.384E+00	.1340E+00	.2363E+00	-.2126E+01	-.9421E+02	-.4664E+02	.384E+00	.1340E+00	.2363E+00	-.2126E+01	-.8036E+02	-.5450E+02
.3047E+02	-.2608E+01	-.4653E+02	.7254E+02	-.5275E+03	.2682E+03	.3047E+02	-.2608E+01	-.4653E+02	.7254E+02	-.3255E+04	.4211E+03
.1117E+01	.1921E+01	-.1237E+06	-.7588E+01	.4612E+00	-.1158E+03	.1117E+01	.1921E+01	-.1237E+06	-.7588E+01	-.6787E+01	-.2284E+03
-.3880E+02	.3140E+01	-.1527E+01	-.5005E+01	.6091E+02	-.1205E+03	-.3880E+02	.3140E+01	-.1527E+01	-.5005E+01	-.2858E+02	-.3045E+03
.2806E+02	.7988E+01	.5153E+01	-.7194E+02	-.7657E+03	-.1580E+03	.2806E+02	.7988E+01	.5153E+01	-.7194E+02	-.4636E+03	-.6265E+03
-.5106E+02	-.5766E+01	.3079E+01	.3502E+01	-.3285E+03	.4705E+02	-.5106E+02	-.5766E+01	.3079E+01	.3502E+01	-.1480E+03	.3850E+03
.5048E+02	.3951E+01	.1270E+02	.7440E+02	.5115E+03	-.1606E+02	.5048E+02	.3951E+01	.1270E+02	.7440E+02	.1256E+04	-.3923E+03
.3917E+02	.7962E+00	.8160E+00	.2785E+02	-.3508E+03	-.1528E+03	.3917E+02	.7962E+00	.8160E+00	.2785E+02	-.3030E+03	-.1995E+03
-.1876E+01	-.2678E+01	-.3882E+00	.1419E+02	.3541E+02	-.1432E+03	-.1876E+01	-.2678E+01	-.3882E+00	.1419E+02	.1266E+02	.1382E+02
-.8943E+00	.1064E+00	-.8858E+00	-.1476E+01	.6219E+01	-.4382E+02	-.8943E+00	.1064E+00	-.8858E+00	-.1476E+01	-.4571E+02	-.6241E+01

SQUARE ROOT SUM OF THE SQUARES

.6352E+03	.2202E+03	.3799E+03	.3951E+04	.4851E+05	.1587E+05	.8352E+03	.2202E+03	.3799E+03	.3951E+04	.4611E+05	.8850E+04
CLOSELY SPACED MODE SUMMATION METHOD											
.8871E+03	.2743E+03	.4343E+03	.4615E+04	.5121E+05	.1974E+05	.8871E+03	.2743E+03	.4343E+03	.4615E+04	.4691E+05	.9351E+04

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.1968E+02	-.2808E+02	-.9430E+01	-.2554E+04	-.1042E+04	.7997E+04	-.1968E+02	-.2808E+02	-.9430E+01	-.2554E+04	-.1595E+05	.9643E+04
.7377E+02	-.3107E+01	.1679E+03	.1229E+04	.9265E+05	-.5623E+03	.7377E+02	-.3107E+01	.1679E+03	.1229E+04	.5249E+04	-.3801E+03
.5979E+02	-.8799E+02	.3850E+02	-.9878E+03	-.1427E+04	-.1591E+04	.5979E+02	-.8799E+02	.3850E+02	-.9878E+03	.8305E+03	.3568E+04
.4090E+02	.7443E+02	.4407E+02	-.7198E+03	.2197E+04	-.2563E+03	.4090E+02	.7443E+02	.4407E+02	-.7198E+03	.4781E+04	-.4620E+04
-.9269E+03	.7473E+02	-.4352E+03	.2944E+03	.8077E+04	.4024E+03	-.9269E+03	.7473E+02	-.4352E+03	.2944E+03	-.1744E+05	.3979E+04
-.2086E+03	-.1699E+03	-.1422E+03	.2425E+04	-.1273E+03	.6164E+03	-.2086E+03	-.1699E+03	-.1422E+03	.2425E+04	-.8467E+04	.1058E+05
.1485E+03	.2308E+02	-.4319E+03	.2353E+03	.1194E+05	.1145E+04	.1485E+03	.2308E+02	-.4319E+03	.2353E+03	-.1338E+05	-.2081E+03
.3930E+01	.1464E+01	-.6630E+01	-.8444E+02	.8066E+02	-.1648E+03	.3930E+01	.1464E+01	-.6630E+01	-.8444E+02	-.1908E+03	-.2506E+03
.2866E+01	-.1608E+03	.7138E+02	.1303E+04	.6024E+04	-.4773E+03	.2866E+01	-.1608E+03	.7138E+02	.1303E+04	.1021E+05	.8953E+04
-.2000E+03	.2249E+02	.7972E+02	-.2806E+03	-.1626E+04	.8091E+03	-.2000E+03	.2249E+02	.7972E+02	-.2806E+03	.3047E+04	-.5096E+03
.3946E+00	-.9899E+02	.1918E+01	.7131E+03	-.1370E+03	-.1530E+04	.3946E+00	-.9899E+02	.1918E+01	.7131E+03	-.2454E+02	.4274E+04
-.3673E+02	.4032E+02	-.3934E+02	-.6873E+03	.2946E+04	.3651E+03	-.3673E+02	.4032E+02	-.3934E+02	-.6873E+03	.6393E+03	-.1999E+04
-.3442E+02	-.7968E+02	-.4131E+02	.5426E+03	.3071E+04	-.1320E+04	-.3442E+02	-.7968E+02	-.4131E+02	.5426E+03	.0496E+03	.3351E+04
-.4046E+02	.3509E+01	.3006E+02	.9233E+02	-.5337E+03	.2451E+03	-.4046E+02	.3509E+01	.3006E+02	.9233E+02	.1225E+04	.3937E+02
.2614E+02	.4507E+01	.1005E+02	-.5424E+02	-.2425E+04	-.3522E+03	.2614E+02	.4507E+01	.1005E+02	-.5424E+02	-.1836E+04	-.6185E+03
-.2066E+02	.2772E+03	.4517E+03	-.1020E+01	.2563E+01	.9412E+02	-.2066E+02	.2772E+03	.4517E+03	-.1020E+01	.5212E+04	-.6837E+02
-.4559E+01	.1885E+01	-.4182E+02	.2555E+03	.3065E+04	.5337E+01	-.4559E+01	.1885E+01	-.4182E+02	.2555E+03	.1213E+04	-.1054E+03
-.2229E+01	.8731E+01	-.8950E+01	.4919E+02	.6240E+03	-.2531E+03	-.2229E+01	.8731E+01	-.8950E+01	.4919E+02	.9923E+02	-.7709E+03
.6782E+00	.4203E+01	.3179E+01	.2696E+02	-.7126E+03	-.1241E+03	.6782E+00	.4203E+01	.3179E+01	.2696E+02	-.2627E+02	-.3705E+03
.3600E+01	-.5099E+01	-.1822E+02	.1483E+03	.1562E+04	-.1406E+03	.3600E+01	-.5099E+01	-.1822E+02	.1483E+03	.4934E+03	.2052E+03
-.3477E+01	.3104E+01	.1767E+01	-.9498E+01	.1112E+03	.1480E+03	-.3477E+01	.3104E+01	.1767E+01	-.9498E+01	.2148E+03	-.3395E+02
.1246E+00	-.9890E+00	.1643E+01	.2635E+01	-.8036E+02	-.5448E+02	.1246E+00	-.9890E+00	.1643E+01	.2635E+01	.1594E+02	.3508E+01
.3448E+02	.8169E+01	.2707E+02	.3551E+02	-.3255E+04	.4259E+03	.3448E+02	.8169E+01	.2707E+02	.3551E+02	-.1688E+04	-.5311E+02
.1089E+01	-.4283E+01	-.2841E+01	.1237E+02	-.6787E+01	-.2282E+03	.1089E+01	-.4283E+01	-.2841E+01	.1237E+02	.8455E+01	.2288E+02
-.3806E+02	-.5413E+01	.1698E+01	.2159E+02	-.2058E+02	-.3238E+03	-.3806E+02	-.5413E+01	.1698E+01	.2159E+02	.7098E+02	.1355E+02
.2891E+02	-.1092E+02	.1335E+02	-.1762E+02	-.4036E+03	-.6392E+03	.2891E+02	-.1092E+02	.1335E+02	-.1762E+02	.3191E+03	.9801E+01
-.5528E+02	.6443E+01	.9087E+01	-.3011E+02	-.1480E+03	.3839E+03	-.5528E+02	.6443E+01	.9087E+01	-.3011E+02	.3848E+03	-.2318E+02
.4863E+02	-.5552E+01	-.2257E+02	-.3987E+02	.1256E+04	-.3973E+03	.4863E+02	-.5552E+01	-.2257E+02	-.3987E+02	-.6786E+02	-.7174E+02
.3556E+02	-.3970E+01	.6305E+01	.4516E+02	-.3030E+03	-.1963E+03	.3556E+02	-.3970E+01	.6305E+01	.4516E+02	.6666E+02	.3642E+02
-.7343E+00	-.4209E+00	-.6001E+00	.1293E+02	.1266E+03	.1501E+02	-.7343E+00	-.4209E+00	-.6001E+00	.1293E+02	.2255E+02	.3969E+02
-.6490E+00	-.8628E+01	.5322E+00	-.9263E+00	-.4571E+02	-.6346E+01	-.6490E+00	-.8628E+01	.5322E+00	-.9263E+00	-.1626E+02	-.1207E+01



-304E+01	3104E+01	1767E+01	98E+01	1112E+03	1480E+03	3977E+01	310E+01	1767E+01	-9498E+01	248E+01	3355E+02
1240E+00	9490E+00	1643E+01	335E+01	8036E+02	5448E+02	1240E+00	949E+00	1643E+01	2635E+01	94E+02	3508E+01
344E+02	8169E+01	2707E+02	3551E+02	3255E+04	4259E+03	344E+02	816E+01	2707E+02	3551E+02	1668E+04	5311E+02
189E+01	2283E+01	2841E+01	1237E+02	6787E+01	2282E+01	189E+01	228E+01	2841E+01	1237E+02	8453E+01	2288E+02
806E+02	5413E+01	1698E+01	2159E+02	2058E+02	3438E+03	806E+02	5413E+01	1698E+01	2159E+02	7098E+02	1355E+02
2891E+02	1092E+02	1335E+02	1702E+02	4036E+03	6302E+03	2891E+02	1092E+02	1335E+02	1702E+02	3191E+03	9881E+01
5526E+02	6943E+01	9087E+01	3011E+02	1486E+03	3839E+03	5526E+02	6943E+01	9087E+01	3011E+02	3848E+03	2316E+02
463E+02	5552E+01	2257E+02	3989E+02	1256E+04	3973E+03	463E+02	5552E+01	2257E+02	3989E+02	6786E+02	7174E+02
3558E+02	3970E+01	6305E+01	4516E+02	3030E+03	1963E+03	3558E+02	3970E+01	6305E+01	4516E+02	6666E+02	3642E+02
7343E+00	4209E+00	1601E+00	1293E+02	1501E+02	7343E+00	7343E+00	4209E+00	1601E+00	1293E+02	2253E+02	3989E+02
0590E+00	8628E-01	5022E+00	9263E+00	4571E+02	6346E+01	0590E+00	8628E-01	5022E+00	9263E+00	1626E+02	1287E+01

SQUARE ROOT SLM CF THE SQUARES

9959E+03	3062E+03	6688E+03	4327E+04	4611E+05	6673E+04	9959E+03	3062E+03	6688E+03	4327E+04	5882E+05	1924E+05
CLOSELY SPACED PCDE SUMMATION METHOD											
1074E+04	3820E+03	7888E+03	4913E+04	4691E+05	9196E+04	1074E+04	3820E+03	7888E+03	4913E+04	6223E+05	2201E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 26)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-5597E+02	2681E+03	1840E+02	-3383E+04	-1595E+04	9384E+04	-5597E+02	2681E+03	1840E+02	-3383E+04	-5160E+03	-6355E+04
2099E+03	1513E+02	-6700E+03	1257E+04	5249E+05	-2717E+03	2099E+03	1513E+02	-6700E+03	1257E+04	1321E+05	-1159E+04
3070E+01	1993E+02	-1305E+02	-1295E+04	8305E+03	3469E+04	3070E+01	1993E+02	-1305E+02	-1295E+04	6538E+02	2300E+04
1270E+02	-2109E+02	-3357E+02	-3151E+03	4781E+04	-4665E+04	1270E+02	-2109E+02	-3357E+02	-3151E+03	2813E+04	-3428E+04
1152E+03	-1372E+02	2948E+03	6397E+03	1744E+05	-3938E+04	1152E+03	-1372E+02	2948E+03	6397E+03	-1531E+03	-3134E+04
1057E+03	4266E+02	1137E+03	1496E+04	-8467E+04	1075E+05	1057E+03	4266E+02	1137E+03	1496E+04	-1799E+04	8249E+04
-2733E+03	1317E+02	-1167E+02	2525E+03	-1336E+05	-1869E+03	-2733E+03	1317E+02	-1167E+02	2525E+03	-1407E+05	-9590E+03
-2803E+01	-1629E+02	3326E+00	-6232E+02	1908E+03	-2570E+03	-2803E+01	-1629E+02	3326E+00	-6232E+02	-1713E+03	6976E+03
-3083E+03	3076E+02	-1624E+03	5195E+03	1021E+05	9032E+04	-3083E+03	3076E+02	-1624E+03	5195E+03	6904E+03	7229E+04
-8942E+02	-8912E+01	-1713E+03	-2352E+03	3047E+04	-5321E+03	-8942E+02	-8912E+01	-1713E+03	-2352E+03	-6994E+04	-9609E+01
2736E+01	1557E+02	-2310E+01	3385E+03	-2454E+02	4329E+04	2736E+01	1557E+02	-2310E+01	3385E+03	-1600E+03	3407E+04
-2726E+02	-8764E+01	1357E+02	-5104E+03	6393E+03	-2051E+04	-2726E+02	-8764E+01	1357E+02	-5104E+03	1435E+04	-1537E+04
-2021E+02	5120E+01	1788E+02	2490E+03	6096E+03	3386E+04	-2021E+02	5120E+01	1788E+02	2490E+03	1698E+04	2651E+04
-4202E+02	-1007E+02	7429E+02	8856E+02	1225E+04	4726E+02	-4202E+02	-1007E+02	7429E+02	8856E+02	5581E+04	6378E+03
2586E+02	-2404E+02	-5645E+02	-3625E+00	-1836E+04	-6188E+03	2586E+02	-2404E+02	-5645E+02	-3625E+00	-5146E+04	7904E+03
-2462E-02	5395E-03	1444E-02	-9563E-02	5212E-01	-7698E-02	-2462E-02	5395E-03	1444E-02	-9563E-02	1368E+00	-4205E-01
-6355E+01	-1521E+02	-9093E+01	2637E+03	1213E+04	-8260E+02	-6355E+01	-1521E+02	-9093E+01	2637E+03	6797E+03	8641E+03
-2195E+01	-2695E+02	-7163E+01	1161E+03	9923E+02	-7637E+03	-2195E+01	-2695E+02	-7163E+01	1161E+03	-3205E+03	8162E+03
8380E+00	-1412E+02	2802E+01	5911E+02	-2027E+02	-3667E+03	8380E+00	-1412E+02	2802E+01	5911E+02	1380E+03	4611E+03
4855E+01	3534E+01	-6034E+01	1299E+03	4939E+03	2173E+03	4855E+01	3534E+01	-6034E+01	1299E+03	1402E+03	1012E+02
-4323E+01	1765E+01	4784E+01	-6509E+01	2148E+03	-3405E+02	-4323E+01	1765E+01	4784E+01	-6509E+01	5070E+03	-1381E+03
6025E+01	1427E+00	1963E+01	2320E+01	1594E+02	3724E+01	6025E+01	1427E+00	1963E+01	2320E+01	1311E+03	-4645E+01
3422E+02	7463E+03	6792E+01	4060E+02	1668E+04	-4962E+02	3422E+02	7463E+03	6792E+01	4060E+02	-1158E+04	-9357E+02
-1113E+01	1318E+00	4223E-01	1033E+02	-8453E+01	2387E+02	-1113E+01	1318E+00	4223E-01	1033E+02	-5977E+01	1614E+02
-3846E+02	1477E+00	-3422E+01	2033E+02	7098E+02	1538E+02	-3846E+02	1477E+00	-3422E+01	2033E+02	-1296E+03	6717E+01
2715E+02	3545E+01	2130E+02	1782E+02	3191E+03	8363E+01	2715E+02	3545E+01	2130E+02	1782E+02	1508E+04	-1995E+03
-5564E+02	-2889E+01	5406E+01	-2758E+02	3848E+03	-2572E+02	-5564E+02	-2889E+01	5406E+01	-2758E+02	7018E+03	1437E+03
5092E+02	-1148E+01	-1643E+02	-3349E+02	-6786E+02	-7494E+02	5092E+02	-1148E+01	-1643E+02	-3349E+02	1031E+04	-7620E+01
3574E+02	-7922E+01	1181E+02	4182E+02	6666E+02	4021E+02	3574E+02	-7922E+01	1181E+02	4182E+02	7589E+03	5647E+03
-8571E+00	-7622E+01	-9238E+00	9433E+01	-2253E+02	4066E+02	-8571E+00	-7622E+01	-9238E+00	9433E+01	-7669E+02	4875E+03
-7161E+00	2696E-01	2697E+00	-8108E+00	-1626E+02	-1363E+01	-7161E+00	2696E-01	2697E+00	-8108E+00	-4514E+00	-2944E+01

SQUARE ROOT SLM CF THE SQUARES

5720E+03	2808E+03	7852E+03	4289E+04	5882E+05	1925E+05	5720E+03	2808E+03	7852E+03	4289E+04	2242E+05	1407E+05
CLOSELY SPACED PCDE SUMMATION METHOD											
6389E+03	2922E+03	8016E+03	4618E+04	6223E+05	2203E+05	6389E+03	2922E+03	8016E+03	4618E+04	2395E+05	1737E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 27)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-5621E+02	2626E+03	1205E+02	-2818E+04	-5160E+03	6606E+04	-5621E+02	2626E+03	1205E+02	-2818E+04	1905E+03	-2200E+05
2066E+03	1474E+02	-5276E+03	1354E+04	1321E+05	-1045E+04	2066E+03	1474E+02	-5276E+03	1354E+04	-1772E+05	-1909E+04
9898E+01	2114E+02	-6218E+01	-1496E+04	6538E+02	2179E+04	9898E+01	2114E+02	-6218E+01	-1496E+04	2991E+03	9389E+03
1822E+02	-2253E+02	-2382E+02	-1484E+02	2813E+04	-3443E+04	1822E+02	-2253E+02	-2382E+02	-1484E+02	1417E+04	-2122E+04
-5599E+02	-1552E+02	1581E+03	9107E+03	-1531E+03	-3067E+04	-5599E+02	-1552E+02	1581E+03	9107E+03	9119E+04	-2157E+04
3861E+02	4783E+02	6170E+02	7705E+03	-1799E+04	8348E+04	3861E+02	4783E+02	6170E+02	7705E+03	1818E+04	5544E+04
-1579E+03	9836E+01	-4075E+02	3352E+03	-1407E+05	-9333E+03	-1579E+03	9836E+01	-4075E+02	3352E+03	-1646E+05	-1510E+04
-7484E+00	1372E+02	-2209E+00	-1230E+03	-1713E+03	6897E+03	-7484E+00	1372E+02	-2209E+00	-1230E+03	1842E+03	1494E+04
-2686E+03	3738E+02	-9370E+02	-1130E+03	6704E+03	7246E+04	-2686E+03	3738E+02	-9370E+02	-1130E+03	-8803E+04	5055E+04
-1520E+03	2464E+01	-1896E+02	-2335E+03	6994E+04	-3009E+02	-1520E+03	2464E+01	-1896E+02	-2335E+03	-8106E+04	4604E+03
1176E+01	2067E+02	5637E+00	4005E+02	-1600E+03	3423E+04	1176E+01	2067E+02	5637E+00	4005E+02	1269E+03	2211E+04



-5.50E+02	.2626E+03	.1205E+02	.18E+04	-5.16E+03	-.6606E+04	.5621E+02	.267E+03	.1205E+02	-.2818E+04	.05E+03	-.2200E+05
.240E+03	.1474E+02	-.5276E+03	.1354E+04	.1321E+05	-.1045E+04	.2466E+03	.1474E+02	-.5276E+03	.1354E+04	-.1772E+05	-.1909E+04
.2498E+01	.2114E+02	-.6218E+01	-.1490E+04	.6534E+02	.2179E+04	.9898E+01	.2114E+02	-.6218E+01	-.1490E+04	.2991E+03	.9369E+03
.222E+02	-.2253E+02	-.2382E+02	-.1484E+02	.2815E+04	-.3443E+04	.822E+02	-.2253E+02	-.2382E+02	-.1484E+02	.1417E+04	-.2122E+04
.599E+02	-.1552E+02	.1581E+03	.9107E+03	-.1531E+03	-.3067E+04	.5599E+02	-.1552E+02	.1581E+03	.9107E+03	.9119E+04	-.2157E+04
.3861E+02	.4783E+02	.6170E+02	.7705E+03	-.1799E+04	.8348E+04	.3861E+02	.4783E+02	.6170E+02	.7705E+03	.1818E+04	.5544E+04
-.1579E+03	.9836E+01	-.4075E+02	.3352E+03	-.1407E+05	-.9333E+03	-.1579E+03	.9836E+01	-.4075E+02	.3352E+03	-.1646E+05	-.1510E+04
-.9484E+00	-.1372E+02	-.2209E+00	-.1230E+03	-.1713E+03	.6897E+03	-.9484E+00	-.1372E+02	-.2209E+00	-.1230E+03	-.1842E+03	.1494E+04
-.2686E+03	.3738E+02	-.9370E+02	-.1130E+03	.6904E+03	.7246E+04	-.2686E+03	.3738E+02	-.9370E+02	-.1130E+03	-.4803E+04	.5055E+04
-.1520E+03	-.8469E+01	-.1896E+02	-.2335E+03	.6994E+04	-.3009E+02	-.1520E+03	-.8469E+01	-.1896E+02	-.2335E+03	-.8106E+04	.4664E+03
.1178E+01	.2067E+02	.5637E+00	.4005E+02	-.1600E+03	.3423E+04	.1178E+01	.2067E+02	.5637E+00	.4005E+02	-.1269E+03	.2211E+04
-.2966E+02	-.1055E+02	-.1625E+02	-.3747E+03	.1435E+04	-.1576E+04	-.2966E+02	-.1055E+02	-.1625E+02	-.3747E+03	.4824E+03	-.9578E+03
-.253E+02	.1443E+02	-.1715E+02	-.6572E+00	.1698E+04	.2862E+04	-.253E+02	.1443E+02	-.1715E+02	-.6572E+00	.6925E+03	.2016E+04
-.5038E+02	-.5446E+01	-.6455E+01	.3258E+02	.5581E+04	.6431E+03	-.5038E+02	-.5446E+01	-.6455E+01	.3258E+02	.5202E+04	.9623E+03
.2179E+02	-.1109E+02	.3500E+02	-.6931E+02	-.5146E+04	.7874E+03	.2179E+02	-.1109E+02	.3500E+02	-.6931E+02	-.3094E+04	.1436E+04
-.1636E+02	.1787E+03	-.7133E+03	-.5858E+02	.1368E+00	-.6272E+01	-.1636E+02	.1787E+03	-.7133E+03	-.5858E+02	.9493E+01	-.5320E+01
.4563E+01	-.7443E+01	-.2998E+02	.1921E+03	.6797E+03	.8290E+03	.4563E+01	-.7443E+01	-.2998E+02	.1921E+03	-.1078E+04	.1205E+04
-.7067E+00	.4488E+00	-.2344E+01	.4444E+02	-.3205E+03	.8232E+03	-.7067E+00	.4488E+00	-.2344E+01	.4444E+02	-.4579E+03	.7969E+03
.3695E+00	-.2555E+00	.5939E+00	.1866E+02	.1386E+03	.4645E+03	.3695E+00	-.2555E+00	.5939E+00	.1866E+02	.1728E+03	.4795E+03
.6419E+01	.6156E+00	-.1233E+02	.1285E+03	.1402E+03	.2141E+02	.6419E+01	.6156E+00	-.1233E+02	.1285E+03	-.5828E+03	-.1468E+02
-.3323E+01	.8086E+01	-.5252E+01	.5565E+01	.5070E+03	-.1387E+03	-.3323E+01	.8086E+01	-.5252E+01	.5565E+01	.1091E+03	-.1429E+03
-.6844E+01	-.6383E+01	-.6165E+00	.2716E+01	.1311E+03	-.4425E+01	-.6844E+01	-.6383E+01	-.6165E+00	.2716E+01	.9492E+02	-.1856E+01
.2306E+02	.9665E+00	.3789E+02	.4641E+02	-.1158E+04	-.8973E+02	.2306E+02	.9665E+00	.3789E+02	.4641E+02	.1644E+04	-.1404E+03
.9814E+00	-.6514E+00	.1240E+00	.8886E+01	-.5777E+01	.1698E+02	.9814E+00	-.6514E+00	.1240E+00	.8886E+01	.1293E+01	.5517E+02
-.3530E+02	-.1070E+01	.2049E+01	.1966E+02	-.1296E+03	.8465E+01	-.3530E+02	-.1070E+01	.2049E+01	.1966E+02	.9494E+01	.7121E+02
.2977E+02	-.4788E+01	-.1958E+02	-.3480E+00	.1568E+04	-.2003E+03	.2977E+02	-.4788E+01	-.1958E+02	-.3480E+00	.4200E+03	.8041E+02
-.5327E+02	.3469E+01	-.9336E+01	-.4040E+02	.7018E+03	-.1407E+03	-.5327E+02	.3469E+01	-.9336E+01	-.4040E+02	.1544E+03	-.6271E+02
.4509E+02	-.1062E+01	.7315E+01	-.3270E+02	-.1031E+04	.1051E+02	.4509E+02	-.1062E+01	.7315E+01	-.3270E+02	-.6026E+03	.5173E+02
.3027E+02	.5374E+01	-.1032E+02	-.2370E+01	.7589E+03	.5064E+03	.3027E+02	.5374E+01	-.1032E+02	-.2370E+01	.1540E+03	.1914E+03
.1119E+00	.7061E+01	.1243E+01	-.3313E+02	-.7665E+02	.4865E+03	.1119E+00	.7061E+01	.1243E+01	-.3313E+02	-.3805E+01	.7252E+02
-.5909E+00	-.7623E+01	.3550E+00	-.5509E+00	-.4514E+00	-.3003E+01	-.5909E+00	-.7623E+01	.3550E+00	-.5509E+00	.2036E+02	.1406E+01

SQUARE ROOT SUM OF THE SQUARES  
 .4498E+03 .2747E+03 .5689E+03 .3718E+04 .2242E+05 .1483E+05 .4498E+03 .2747E+03 .5689E+03 .3718E+04 .2834E+05 .2396E+05  
 CLOSELY SPACEC CODE SUMMATION METHOD  
 .4824E+03 .2839E+03 .5816E+03 .3821E+04 .2395E+05 .1748E+05 .4824E+03 .2839E+03 .5816E+03 .3821E+04 .3004E+05 .2523E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 28)

FX(I)	YY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.5704E+02	.2626E+03	.7110E+01	-.8903E+03	.1905E+03	-.2216E+05	-.5704E+02	.2626E+03	.7110E+01	-.8903E+03	.6074E+05	-.3756E+05
.2916E+03	.1474E+02	-.5041E+03	.1515E+04	-.1772E+05	-.1784E+04	.2916E+03	.1474E+02	-.5041E+03	.1515E+04	-.4727E+05	-.2648E+04
.1040E+02	.2114E+02	-.5332E+01	-.1566E+04	-.2991E+03	.8055E+03	.1040E+02	.2114E+02	-.5332E+01	-.1566E+04	-.6117E+03	-.4342E+03
.2022E+02	-.2253E+02	-.2214E+02	.1781E+03	.1417E+04	-.2115E+04	.2022E+02	-.2253E+02	-.2214E+02	.1781E+03	.1185E+03	-.7945E+03
-.6955E+02	-.1552E+02	.1527E+03	.1095E+04	.9119E+04	-.2069E+04	-.6955E+02	-.1552E+02	.1527E+03	.1095E+04	.1807E+05	-.1159E+04
.3309E+02	.4783E+02	.6483E+02	.2846E+03	.1818E+04	.5590E+04	.3309E+02	.4783E+02	.6483E+02	.2846E+03	.5618E+04	.2786E+04
.1538E+03	.9836E+01	-.5435E+02	.4654E+03	-.1046E+05	-.1475E+04	.1538E+03	.9836E+01	-.5435E+02	.4654E+03	-.1964E+05	-.2052E+04
-.9255E+00	-.1372E+02	-.3026E+00	-.2526E+03	.1842E+03	.1478E+04	-.9255E+00	-.1372E+02	-.3026E+00	-.2526E+03	.2020E+03	.2262E+04
-.2594E+03	.3738E+02	-.1167E+03	-.5527E+03	-.4803E+04	.5026E+04	-.2594E+03	.3738E+02	-.1167E+03	-.5527E+03	.1165E+05	.2834E+04
-.1498E+03	-.8469E+01	-.3214E+02	-.2732E+03	-.8106E+04	.4443E+03	-.1498E+03	-.8469E+01	-.3214E+02	-.2732E+03	.9990E+04	.9408E+03
.1124E+01	.2067E+02	.6641E+00	-.1527E+03	.1269E+03	.2206E+04	.1124E+01	.2067E+02	.6641E+00	-.1527E+03	.8799E+02	.9944E+03
-.2813E+02	-.1055E+02	-.1877E+02	-.2899E+03	.4824E+03	-.9868E+03	-.2813E+02	-.1055E+02	-.1877E+02	-.2899E+03	.6180E+03	-.3664E+03
-.2424E+02	.1443E+02	-.1934E+02	-.1733E+03	.6925E+03	.2000E+04	-.2424E+02	.1443E+02	-.1934E+02	-.1733E+03	.4413E+03	.1162E+04
-.4963E+02	-.5446E+01	-.1082E+02	-.5137E+02	.5202E+04	.9615E+03	-.4963E+02	-.5446E+01	-.1082E+02	-.5137E+02	.4568E+04	.1261E+04
.1865E+02	-.1109E+02	.3676E+02	-.1933E+03	-.3090E+04	.1426E+04	.1865E+02	-.1109E+02	.3676E+02	-.1933E+03	.9382E+03	.2076E+04
-.1860E+02	.1787E+03	-.8792E+03	-.1201E+02	.9493E+01	-.5351E+01	-.1860E+02	.1787E+03	-.8792E+03	-.1201E+02	.4339E+01	-.6399E+01
.7157E+01	-.7443E+01	-.2947E+02	.8113E+02	.1078E+04	.1277E+04	.7157E+01	-.7443E+01	-.2947E+02	.8113E+02	.2806E+04	.1714E+04
-.4498E+00	.4488E+00	-.2396E+01	-.2515E+02	-.4579E+03	.7977E+03	-.4498E+00	.4488E+00	-.2396E+01	-.2515E+02	.5984E+03	.7714E+03
.3164E+00	-.2555E+00	.6238E+00	-.2318E+02	.1728E+03	.4793E+03	.3164E+00	-.2555E+00	.6238E+00	-.2318E+02	.2094E+03	.4943E+03
.7468E+01	.6156E+00	-.1173E+02	.1293E+03	-.5828E+03	-.3429E+01	.7468E+01	.6156E+00	-.1173E+02	.1293E+03	-.1270E+04	-.3952E+02
-.2453E+01	.8086E+01	-.5521E+01	.1799E+02	.1991E+03	-.1419E+03	-.2453E+01	.8086E+01	-.5521E+01	.1799E+02	.1247E+03	-.1406E+03
-.1448E+01	-.4383E+01	-.6201E+00	.2849E+01	.9492E+02	-.1412E+01	-.1448E+01	-.4383E+01	-.6201E+00	.2849E+01	.5850E+02	.9574E+00
.1967E+02	.9665E+00	.3976E+02	.6058E+02	.1064E+04	-.1417E+03	.1967E+02	.9665E+00	.3976E+02	.6058E+02	.3395E+02	-.1983E+03
.9668E+00	-.6514E+00	.2090E+00	.4007E+00	.1293E+01	.5574E+02	.9668E+00	-.6514E+00	.2090E+00	.4007E+00	.1355E+02	.9393E+02
-.3665E+02	-.1070E+01	-.1060E+01	.1339E+02	-.9494E+01	.7265E+02	-.3665E+02	-.1070E+01	-.1060E+01	.1339E+02	-.7162E+02	.1354E+03
.3132E+02	-.4788E+01	-.1692E+02	-.7351E+01	.4200E+03	.8007E+02	.3132E+02	-.4788E+01	-.1692E+02	-.7351E+01	.5719E+02	.3608E+03
-.5225E+02	.3469E+01	-.1394E+02	-.3475E+02	.1544E+03	-.6599E+02	-.5225E+02	.3469E+01	-.1394E+02	-.3475E+02	.6629E+03	-.2694E+03
.4288E+02	-.1062E+01	.1122E+02	-.3769E+02	-.6026E+03	.4868E+02	.4288E+02	-.1062E+01	.1122E+02	-.3769E+02	.5496E+02	.1109E+03
.3105E+02	.5374E+01	-.7641E+01	-.1963E+02	.1540E+03	.1940E+03	.3105E+02	.5374E+01	-.7641E+01	-.1963E+02	.2940E+02	-.1246E+03
.3177E+02	.7061E+01	.1248E+01	-.3937E+02	-.3805E+01	.6936E+02	.3177E+02	.7061E+01	.1248E+01	-.3937E+02	.6937E+02	-.3440E+03
-.6196E+00	-.7623E+01	.3022E+00	-.6765E+00	.2036E+02	.1412E+01	-.6196E+00	-.7623E+01	.3022E+00	-.6765E+00	.3808E+02	.5861E+01

SQUARE ROOT SUM OF THE SQUARES



.966E+00	-.6514E+00	.2690E+00	.007E+01	.1293E+01	.5574E+02	.4668E+00	-.651E+00	.2090E+00	.4047E+01	.555E+02	.9393E+02
-.3565E+02	-.1070E+01	-.1060E+01	.1339E+02	-.7494E+01	-.7265E+02	-.3565E+02	-.1070E+01	-.1060E+01	.1339E+02	-.7494E+01	.1354E+03
.132E+02	-.4788E+01	-.1692E+02	-.7351E+01	.4200E+03	.8007E+02	.3132E+02	-.4788E+01	-.1692E+02	-.7351E+01	-.5719E+03	.3608E+03
.25E+02	.3469E+01	-.1394E+02	-.3479E+02	.1544E+03	-.6599E+02	.225E+02	.3469E+01	-.1394E+02	-.3479E+02	-.6629E+03	-.2649E+03
.428E+02	-.1062E+01	.1122E+02	-.3708E+02	-.6026E+03	.4868E+02	.4428E+02	-.1062E+01	.1122E+02	-.3708E+02	.5496E+02	.1109E+03
.3105E+02	.5374E+01	-.7641E+01	-.1930E+02	.1540E+03	.1904E+03	.3105E+02	.5374E+01	-.7641E+01	-.1930E+02	-.2940E+03	-.1246E+03
.3177E+02	.7061E+01	.1248E+01	.3932E+02	-.3805E+01	.6936E+02	.3177E+02	.7061E+01	.1248E+01	-.3932E+02	.6937E+02	-.3440E+03
-.6196E+00	-.7623E+01	.3022E+00	-.6765E+00	.2036E+02	.1412E+01	-.6196E+00	-.7623E+01	.3022E+00	-.6765E+00	.3808E+02	.5881E+01

SQUARE ROOT SUM OF THE SQUARES

.4698E+03	.2747E+03	.5525E+03	.2779E+04	.2634E+05	.2409E+05	.4698E+03	.2747E+03	.5525E+03	.2779E+04	.2634E+05	.2409E+05
CLOSELY SPACED MODE SUMMATION METHOD											
.4997E+03	.2839E+03	.5670E+03	.3115E+04	.3004E+05	.2532E+05	.4997E+03	.2839E+03	.5670E+03	.3115E+04	.2920E+05	.3876E+05

ELEMENT TYPE (3/D P I P E ) / Z / ELEMENT NUMBER ( 29)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.5583E+02	.2569E+03	-.5662E+00	.2389E+04	.6074E+03	-.3749E+05	-.5583E+02	.2569E+03	-.5662E+00	.2389E+04	.5742E+03	-.5255E+05
.2742E+03	.1431E+02	-.2250E+03	.1740E+04	-.4727E+05	-.2506E+04	.2742E+03	.1431E+02	-.2250E+03	.1740E+04	-.6046E+05	-.3345E+04
.1546E+02	.2306E+02	.1557E+01	-.1523E+04	-.6117E+03	-.5692E+03	.1546E+02	.2306E+02	.1557E+01	-.1523E+04	-.5204E+03	-.1921E+04
.2320E+02	-.2473E+02	-.1149E+07	.2387E+03	.1185E+03	-.7766E+03	.2320E+02	-.2473E+02	-.1149E+07	.2387E+03	-.5550E+03	.6731E+03
-.1692E+03	-.1815E+02	-.2486E+02	.1192E+04	.1192E+05	-.1059E+04	-.1815E+02	-.2486E+02	.1192E+04	.1192E+05	.1661E+05	.5095E+01
-.1788E+02	.5554E+02	-.3954E+01	.4050E+02	.5618E+04	.2800E+04	-.1788E+02	.5554E+02	-.3954E+01	.4050E+02	.5387E+04	-.4563E+03
-.4913E+02	.6920E+01	.4515E+02	.6426E+03	-.1962E+05	-.2003E+04	-.4913E+02	.6920E+01	.4515E+02	.6426E+03	-.1700E+05	-.2409E+04
.9190E+00	-.1195E+02	.2133E+00	-.4508E+03	.2020E+03	.2251E+04	.9190E+00	-.1195E+02	.2133E+00	-.4508E+03	-.1895E+03	.2952E+04
-.1569E+03	.4778E+02	.1694E+02	-.7981E+03	.1165E+05	.2775E+04	-.1569E+03	.4778E+02	.1694E+02	-.7981E+03	-.1065E+05	-.2601E+02
-.2500E+03	-.5774E+01	.9735E+02	-.3542E+03	-.9999E+04	.4134E+03	-.2500E+03	-.5774E+01	.9735E+02	-.3542E+03	-.4282E+04	.1466E+04
-.9975E+00	.3138E+02	.1861E+01	-.2389E+03	-.8799E+02	.9773E+03	-.9975E+00	.3138E+02	.1861E+01	-.2389E+03	.2110E+02	-.8625E+03
-.2681E+02	-.1538E+02	-.1508E+02	-.2566E+03	-.6180E+03	-.3923E+03	-.2681E+02	-.1538E+02	-.1508E+02	-.2566E+03	-.1502E+04	.5095E+03
-.2506E+02	.2469E+02	-.1825E+07	-.2770E+03	-.4413E+03	.1143E+04	-.2506E+02	.2469E+02	-.1825E+07	-.2770E+03	-.1512E+04	-.3050E+03
-.3800E+02	-.4630E+01	-.6750E+02	-.1629E+03	.4568E+04	.1271E+04	-.3800E+02	-.4630E+01	-.6750E+02	-.1629E+03	.6104E+03	.1543E+04
-.1313E+01	-.1209E+02	.5602E+02	-.3747E+03	-.9382E+03	.2051E+04	-.1313E+01	-.1209E+02	.5602E+02	-.3747E+03	.2346E+04	.2760E+04
-.9079E+03	.7728E+04	-.1508E+02	.4385E+02	.4339E+01	-.6385E+01	-.9079E+03	.7728E+04	-.1508E+02	.4385E+02	-.4500E+01	-.6838E+01
.1085E+02	-.2758E+02	.1137E+02	-.6867E+02	.2806E+04	.1714E+04	.1085E+02	-.2758E+02	.1137E+02	-.6867E+02	-.2139E+04	.3331E+04
-.1132E+01	.3015E+02	.7448E+01	-.9235E+02	-.5984E+03	.7663E+03	-.1132E+01	.3015E+02	.7448E+01	-.9235E+02	-.1617E+03	-.1002E+04
.6692E+00	.1207E+02	-.2879E+01	-.6620E+02	.2494E+03	.4903E+03	.6692E+00	.1207E+02	-.2879E+01	-.6620E+02	.4058E+02	-.2172E+03
.6542E+01	.2632E+01	.9134E+01	.1323E+03	-.1270E+04	-.2609E+02	.6542E+01	.2632E+01	.9134E+01	.1323E+03	.7347E+03	-.1824E+03
-.5396E+00	-.1401E+01	-.3379E+01	.3071E+02	-.1247E+03	-.1445E+03	-.5396E+00	-.1401E+01	-.3379E+01	.3071E+02	-.3228E+03	-.6232E+02
.4101E+00	.3877E+00	-.1774E+01	.2773E+01	.5856E+02	-.1204E+01	.4101E+00	.3877E+00	-.1774E+01	.2773E+01	-.4545E+02	-.2153E+02
.1374E+02	-.2789E+01	-.3236E+02	.7765E+02	.3395E+04	-.1923E+03	.1374E+02	-.2789E+01	-.3236E+02	.7765E+02	.1497E+04	-.2874E+02
.8054E+00	.1724E+01	-.1361E+00	-.4162E+01	.1355E+02	.9392E+02	.8054E+00	.1724E+01	-.1381E+00	-.4162E+01	.5451E+01	-.7112E+01
-.3117E+02	.2454E+01	.2492E+01	.1524E+01	-.7162E+02	.1360E+03	-.3117E+02	.2454E+01	.2492E+01	.1524E+01	.7447E+02	-.7837E+01
.3552E+02	.5980E+01	-.5121E+01	-.3879E+02	.5716E+03	.3587E+03	.3552E+02	.5980E+01	-.5121E+01	-.3879E+02	.8722E+03	.8146E+01
-.4534E+02	-.4353E+01	.4778E+01	-.1116E+02	-.6029E+03	-.2714E+03	-.4534E+02	-.4353E+01	.4778E+01	-.1116E+02	-.3827E+03	-.1617E+02
.3023E+02	.2584E+01	.7910E+01	-.6662E+02	.5496E+02	.1673E+03	.3023E+02	.2584E+01	.7910E+01	-.6662E+02	.5188E+03	-.4424E+02
.2407E+02	-.1699E+01	-.1358E+01	-.8087E+01	.2940E+02	-.1258E+03	.2407E+02	-.1699E+01	-.1358E+01	-.8087E+01	.3730E+03	-.2619E+02
.9242E+00	-.5004E+01	-.6536E+00	-.9111E+01	.6937E+02	-.3467E+03	.9242E+00	-.5004E+01	-.6536E+00	-.9111E+01	.3105E+02	-.5337E+02
-.2420E+00	.6553E+01	-.7634E+00	-.1187E+01	.3603E+02	.5600E+01	-.2420E+00	.6553E+01	-.7634E+00	-.1187E+01	-.6679E+01	.1990E+00

SQUARE ROOT SUM OF THE SQUARES

.4666E+03	.2779E+03	.2700E+03	.3785E+04	.5709E+05	.3810E+05	.4666E+03	.2779E+03	.2700E+03	.3785E+04	.5635E+05	.5308E+05
CLOSELY SPACED MODE SUMMATION METHOD											
.4914E+03	.2938E+03	.2746E+03	.4179E+04	.5920E+05	.3866E+05	.4914E+03	.2938E+03	.2746E+03	.4179E+04	.6799E+05	.5336E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-.5557E+02	-.2592E+03	-.5421E+01	.6952E+04	.5742E+03	-.5215E+05	-.5557E+02	-.2592E+03	-.5421E+01	.6952E+04	.2563E+03	-.3695E+05
.2927E+03	.6320E+01	-.2003E+03	.2025E+04	-.6046E+05	-.3181E+04	.2927E+03	.6320E+01	-.2003E+03	.2025E+04	-.7221E+05	-.3551E+04
.1527E+02	-.8036E+01	.2897E+01	-.1350E+04	-.5202E+03	-.2047E+04	.1527E+02	-.8036E+01	.2897E+01	-.1350E+04	-.3506E+03	-.1575E+04
.2411E+02	.2370E+01	-.9426E+01	.1793E+03	-.5550E+03	.6913E+03	.2411E+02	.2370E+01	-.9426E+01	.1793E+03	.1108E+04	.5523E+03
-.1963E+03	.1811E+01	-.4210E+02	.1187E+04	.1061E+05	.1088E+03	-.1963E+03	.1811E+01	-.4210E+02	.1187E+04	.1414E+05	.2603E+01
-.1747E+02	.8425E+01	-.5495E+01	.8065E+02	.5387E+04	-.4510E+03	-.1747E+02	.8425E+01	-.5495E+01	.8065E+02	.5064E+04	-.9450E+03
-.5284E+02	-.4565E+02	.4071E+02	.8465E+03	.1700E+05	-.2344E+04	-.5284E+02	-.4565E+02	.4071E+02	.8465E+03	.1461E+05	.3324E+03
.8970E+00	.4015E+02	.2925E+00	-.7054E+03	-.1845E+03	.2902E+04	.8970E+00	.4015E+02	.2925E+00	-.7054E+03	-.1723E+03	.5481E+03
-.1576E+03	.5201E+01	.3225E+01	-.7928E+03	-.1465E+05	-.9534E+02	-.1576E+03	.5201E+01	.3225E+01	-.7928E+03	-.1046E+05	-.4003E+03
-.2576E+03	.1164E+02	.7523E+02	-.4822E+03	-.4282E+04	.1450E+04	-.2576E+03	.1164E+02	.7523E+02	-.4822E+03	.1265E+03	.7674E+03
-.1156E+01	-.5207E+01	.1767E+01	-.1630E+03	.2110E+02	-.6800E+03	-.1156E+01	-.5207E+01	.1767E+01	-.1630E+03	.1247E+03	-.5747E+03
-.2539E+02	.6903E+01	-.1735E+02	-.3000E+03	-.1502E+04	.0853E+03	-.2539E+02	.6903E+01	-.1735E+02	-.3000E+03	-.2520E+04	.8059E+02
-.2338E+02	.1518E+01	-.2037E+02	-.2494E+02	-.1512E+04	-.3280E+03	-.2338E+02	.1518E+01	-.2037E+02	-.2494E+02	-.2706E+04	-.4170E+03
-.1199E+02	.3700E+02	-.2965E+02	.2965E+03	.6104E+03	.1523E+04	-.1199E+02	.3700E+02	-.2965E+02	.2965E+03	.3528E+04	-.6813E+03





2.04E+02	2.370E+01	9.426E+01	9.73E+03	5.550E+03	6.913E+03	2.411E+02	2.37E+01	9.426E+01	1.793E+03	1.08E+04	5.523E+03
1.943E+03	1.811E+01	4.210E+02	1.187E+04	1.661E+05	1.088E+03	1.196E+03	1.811E+01	4.210E+02	1.187E+04	1.414E+05	2.603E+01
1.747E+02	8.425E+01	5.495E+01	8.005E+02	5.377E+04	4.510E+03	1.174E+02	8.425E+01	5.495E+01	8.005E+02	5.064E+04	9.450E+03
1.88E+02	4.565E+02	4.071E+02	8.49E+03	1.700E+05	2.344E+04	2.88E+02	4.565E+02	4.071E+02	8.49E+03	1.461E+05	3.324E+03
1.76E+00	4.015E+02	2.925E+00	7.054E+03	1.845E+03	2.902E+04	3.970E+00	4.015E+02	2.925E+00	7.054E+03	1.723E+03	5.481E+03
1.578E+03	5.201E+01	3.225E+01	7.92E+03	1.065E+05	9.530E+02	1.578E+03	5.201E+01	3.225E+01	7.92E+03	1.046E+05	4.603E+03
2.576E+03	1.144E+02	7.523E+02	4.822E+03	4.282E+04	1.450E+04	2.576E+03	1.144E+02	7.523E+02	4.822E+03	1.285E+03	7.674E+03
1.156E+01	5.207E+01	1.767E+01	1.630E+03	2.110E+02	8.800E+03	1.156E+01	5.207E+01	1.767E+01	1.630E+03	1.247E+03	5.747E+03
2.539E+02	6.903E+01	1.735E+02	3.000E+03	1.502E+04	4.853E+03	2.539E+02	6.903E+01	1.735E+02	3.000E+03	2.520E+04	8.059E+02
2.538E+02	1.518E+01	2.037E+02	2.494E+03	1.512E+04	3.280E+03	2.538E+02	1.518E+01	2.037E+02	2.494E+03	2.706E+04	4.170E+03
3.99E+02	3.700E+02	7.055E+02	2.965E+03	6.104E+03	1.523E+04	3.199E+02	3.700E+02	7.055E+02	2.965E+03	3.526E+04	6.813E+03
6.182E+01	1.041E+03	5.569E+02	6.134E+03	2.346E+04	2.717E+04	6.182E+01	1.041E+03	5.569E+02	6.134E+03	5.611E+04	3.388E+04
7.733E+03	2.605E+02	1.581E+02	1.037E+01	4.500E+01	6.774E+01	7.733E+03	2.605E+02	1.581E+02	1.037E+01	4.500E+01	6.774E+01
1.180E+02	1.461E+03	1.262E+02	3.583E+03	2.135E+04	3.313E+04	1.180E+02	1.461E+03	1.262E+02	3.583E+03	1.399E+04	5.250E+04
1.776E+01	1.926E+02	7.322E+01	4.855E+01	1.617E+03	1.006E+03	1.776E+01	1.926E+02	7.322E+01	4.855E+01	1.675E+03	1.231E+03
9.172E+00	2.694E+01	2.810E+01	4.705E+02	4.058E+02	2.222E+04	9.172E+00	2.694E+01	2.810E+01	4.705E+02	4.058E+02	2.222E+04
5.722E+01	1.190E+02	9.668E+01	1.476E+03	7.347E+03	1.702E+03	5.722E+01	1.190E+02	9.668E+01	1.476E+03	1.679E+03	5.276E+03
2.238E+00	3.099E+01	3.413E+01	3.602E+02	3.228E+03	5.941E+02	2.238E+00	3.099E+01	3.413E+01	3.602E+02	3.228E+03	5.941E+02
5.629E+00	7.069E+00	1.732E+01	4.636E+01	4.505E+02	2.121E+02	5.629E+00	7.069E+00	1.732E+01	4.636E+01	4.505E+02	2.121E+02
1.650E+02	1.123E+01	3.104E+02	7.985E+02	1.497E+04	2.188E+02	1.650E+02	1.123E+01	3.104E+02	7.985E+02	1.497E+04	2.188E+02
8.143E+00	1.437E+00	6.748E+01	3.522E+01	5.451E+01	7.507E+01	8.143E+00	1.437E+00	6.748E+01	3.522E+01	5.451E+01	7.507E+01
3.127E+02	5.678E+00	2.298E+00	2.200E+01	7.447E+02	7.675E+01	3.127E+02	5.678E+00	2.298E+00	2.200E+01	7.447E+02	7.675E+01
3.583E+02	4.638E+01	2.011E+01	3.936E+02	8.722E+03	4.740E+01	3.583E+02	4.638E+01	2.011E+01	3.936E+02	8.722E+03	4.740E+01
4.563E+02	3.118E+01	8.116E+00	9.707E+01	3.827E+03	1.708E+02	4.563E+02	3.118E+01	8.116E+00	9.707E+01	3.827E+03	1.708E+02
2.942E+02	3.645E+01	1.051E+02	4.259E+02	5.188E+03	2.813E+02	2.942E+02	3.645E+01	1.051E+02	4.259E+02	5.188E+03	2.813E+02
2.450E+02	1.161E+02	7.757E+00	5.777E+01	3.736E+03	2.680E+02	2.450E+02	1.161E+02	7.757E+00	5.777E+01	3.736E+03	2.680E+02
9.775E+00	5.977E+01	5.707E+00	4.434E+01	3.105E+02	5.396E+02	9.775E+00	5.977E+01	5.707E+00	4.434E+01	3.105E+02	5.396E+02
1.1746E+00	7.737E+01	7.816E+00	1.200E+01	6.679E+01	9.495E+01	1.1746E+00	7.737E+01	7.816E+00	1.200E+01	6.679E+01	9.495E+01

# SQUARE ROOT SUM OF THE SQUARES

4.806E+03	3.250E+03	2.441E+03	7.655E+04	6.635E+05	5.266E+05	4.806E+03	3.250E+03	2.441E+03	7.655E+04	7.633E+05	3.773E+05
5.051E+03	3.420E+03	2.497E+03	7.899E+04	6.799E+05	5.295E+05	5.051E+03	3.420E+03	2.497E+03	7.899E+04	7.767E+05	3.783E+05

## ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 31 )

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
5.264E+02	2.380E+03	1.377E+02	1.015E+05	2.563E+03	3.620E+05	5.264E+02	2.380E+03	1.377E+02	1.015E+05	2.563E+03	3.620E+05
1.960E+03	7.649E+01	1.277E+03	2.327E+04	7.221E+05	3.301E+04	1.960E+03	7.649E+01	1.277E+03	2.327E+04	7.221E+05	3.301E+04
1.882E+02	7.678E+01	7.952E+01	1.207E+04	3.506E+03	1.687E+04	1.882E+02	7.678E+01	7.952E+01	1.207E+04	3.506E+03	1.687E+04
2.419E+02	2.312E+01	2.496E+01	1.304E+03	1.108E+04	5.659E+03	2.419E+02	2.312E+01	2.496E+01	1.304E+03	1.108E+04	5.659E+03
2.832E+03	2.944E+01	1.899E+03	1.182E+04	1.144E+05	1.062E+03	2.832E+03	2.944E+01	1.899E+03	1.182E+04	1.144E+05	1.062E+03
5.150E+02	5.826E+01	6.351E+02	1.622E+03	5.064E+04	9.344E+03	5.150E+02	5.826E+01	6.351E+02	1.622E+03	5.064E+04	9.344E+03
2.265E+02	3.267E+02	1.528E+03	8.175E+03	1.461E+05	4.053E+03	2.265E+02	3.267E+02	1.528E+03	8.175E+03	1.461E+05	4.053E+03
2.622E+01	2.811E+02	6.055E+00	7.510E+03	1.723E+03	8.844E+03	2.622E+01	2.811E+02	6.055E+00	7.510E+03	1.723E+03	8.844E+03
8.933E+02	1.607E+01	1.200E+03	7.548E+03	1.046E+05	4.479E+03	8.933E+02	1.607E+01	1.200E+03	7.548E+03	1.046E+05	4.479E+03
3.728E+03	5.139E+01	6.390E+02	5.473E+03	1.285E+03	7.224E+03	3.728E+03	5.139E+01	6.390E+02	5.473E+03	1.285E+03	7.224E+03
3.216E+01	3.311E+01	1.752E+00	1.122E+03	1.247E+03	5.861E+03	3.216E+01	3.311E+01	1.752E+00	1.122E+03	1.247E+03	5.861E+03
2.829E+02	8.76E+01	1.038E+02	3.059E+03	2.520E+04	5.41E+02	2.829E+02	8.76E+01	1.038E+02	3.059E+03	2.520E+04	5.41E+02
2.238E+02	5.410E+01	9.574E+01	2.121E+03	2.706E+04	4.372E+03	2.238E+02	5.410E+01	9.574E+01	2.121E+03	2.706E+04	4.372E+03
1.925E+02	1.340E+02	1.790E+02	2.359E+03	3.526E+04	7.046E+03	1.925E+02	1.340E+02	1.790E+02	2.359E+03	3.526E+04	7.046E+03
1.837E+02	2.691E+02	1.861E+02	3.155E+03	5.611E+04	3.428E+04	1.837E+02	2.691E+02	1.861E+02	3.155E+03	5.611E+04	3.428E+04
1.766E+04	6.607E+03	3.289E+03	2.860E+02	1.377E+00	8.559E+01	1.766E+04	6.607E+03	3.289E+03	2.860E+02	1.377E+00	8.559E+01
1.297E+02	1.725E+02	3.074E+02	1.017E+03	1.395E+04	5.261E+04	1.297E+02	1.725E+02	3.074E+02	1.017E+03	1.395E+04	5.261E+04
3.170E+01	2.149E+01	3.035E+01	1.558E+02	2.675E+03	1.222E+03	3.170E+01	2.149E+01	3.035E+01	1.558E+02	2.675E+03	1.222E+03
1.467E+01	3.881E+00	8.447E+00	1.371E+02	1.242E+03	3.828E+03	1.467E+01	3.881E+00	8.447E+00	1.371E+02	1.242E+03	3.828E+03
1.182E+01	8.304E+00	1.175E+02	1.010E+03	1.675E+03	5.385E+03	1.182E+01	8.304E+00	1.175E+02	1.010E+03	1.675E+03	5.385E+03
3.714E+00	4.731E+00	6.009E+01	2.214E+02	5.227E+03	1.660E+03	3.714E+00	4.731E+00	6.009E+01	2.214E+02	5.227E+03	1.660E+03
7.349E+00	1.621E+00	9.595E+00	2.852E+01	1.470E+03	2.057E+02	7.349E+00	1.621E+00	9.595E+00	2.852E+01	1.470E+03	2.057E+02
1.959E+02	3.225E+00	2.504E+02	7.572E+02	3.229E+03	5.074E+02	1.959E+02	3.225E+00	2.504E+02	7.572E+02	3.229E+03	5.074E+02
6.588E+00	3.755E+00	1.459E+00	3.589E+01	1.495E+01	6.040E+00	6.588E+00	3.755E+00	1.459E+00	3.589E+01	1.495E+01	6.040E+00
2.276E+02	2.005E+00	2.589E+01	5.766E+01	6.100E+02	4.062E+02	2.276E+02	2.005E+00	2.589E+01	5.766E+01	6.100E+02	4.062E+02
3.147E+02	4.467E+01	1.984E+02	6.335E+02	9.901E+03	2.722E+03	3.147E+02	4.467E+01	1.984E+02	6.335E+02	9.901E+03	2.722E+03
3.889E+02	3.956E+01	1.133E+02	7.773E+01	3.352E+03	2.000E+03	3.889E+02	3.956E+01	1.133E+02	7.773E+01	3.352E+03	2.000E+03
1.737E+02	2.347E+01	1.985E+02	1.954E+02	1.135E+04	2.646E+03	1.737E+02	2.347E+01	1.985E+02	1.954E+02	1.135E+04	2.646E+03
1.283E+02	1.082E+02	8.417E+01	5.590E+02	3.281E+03	7.654E+03	1.283E+02	1.082E+02	8.417E+01	5.590E+02	3.281E+03	7.654E+03
2.082E+01	7.941E+01	5.792E+00	3.087E+02	2.406E+01	4.037E+03	2.082E+01	7.941E+01	5.792E+00	3.087E+02	2.406E+01	4.037E+03
1.631E+00	4.930E+01	7.211E+00	8.077E+00	5.250E+02	4.529E+01	1.631E+00	4.930E+01	7.211E+00	8.077E+00	5.250E+02	4.529E+01

# SQUARE ROOT SUM OF THE SQUARES

5.281E+03	2.452E+03	3.194E+03	1.067E+05	7.633E+05	3.700E+05	5.281E+03	2.452E+03	3.194E+03	1.067E+05	7.659E+05	2.242E+05
5.337E+03	2.508E+03	3.306E+03	1.083E+05	7.767E+05	3.710E+05	5.337E+03	2.508E+03	3.306E+03	1.083E+05	7.695E+05	2.248E+05



PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-4.045E+02	-1.162E+03	-2.685E+02	1.265E+05	-1.162E+04	-6.253E+04	-4.045E+02	-1.164E+03	-2.685E+02	1.265E+05	-1.319E+04	-3.344E+04
1.117E+02	1.326E+02	3.900E+03	2.992E+04	-5.62E+04	-3.774E+04	1.117E+02	1.326E+02	3.900E+03	2.992E+04	-3.340E+05	-4.571E+04
2.074E+02	-6.919E+01	1.117E+02	-1.013E+04	6.774E+03	-9.796E+03	2.074E+02	-6.919E+01	1.117E+02	-1.013E+04	1.365E+04	-5.740E+03
2.125E+02	2.516E+01	1.386E+02	6.544E+02	-6.915E+03	3.114E+03	2.125E+02	2.516E+01	1.386E+02	6.544E+02	1.207E+03	1.639E+03
-3.256E+03	6.970E+01	-2.767E+03	1.151E+04	-9.522E+04	-3.239E+02	-3.256E+03	6.970E+01	-2.767E+03	1.151E+04	-2.574E+05	-4.010E+03
-6.922E+02	-1.541E+01	-9.019E+02	4.111E+03	-2.631E+04	-1.569E+04	-6.922E+02	-1.541E+01	-9.019E+02	4.111E+03	7.918E+04	1.478E+04
6.433E+02	-2.891E+01	1.939E+03	2.353E+03	3.391E+04	4.335E+04	6.433E+02	-2.891E+01	1.939E+03	2.353E+03	1.470E+05	4.504E+04
4.363E+01	3.300E+00	-1.142E+00	-3.939E+03	-6.806E+02	-2.918E+04	4.363E+01	3.300E+00	-1.142E+00	-3.939E+03	-9.651E+02	-2.943E+04
-5.023E+02	-2.862E+01	1.379E+03	-6.375E+03	3.122E+04	-7.785E+03	-5.023E+02	-2.862E+01	1.379E+03	-6.375E+03	1.121E+05	-2.590E+03
-4.061E+03	-7.097E+01	-1.205E+03	-5.859E+03	5.699E+04	-1.032E+02	-4.061E+03	-7.097E+01	-1.205E+03	-5.859E+03	-1.366E+04	4.350E+03
-4.069E+01	-2.494E+01	-2.897E+01	-5.918E+02	1.267E+03	-2.128E+03	-4.069E+01	-2.494E+01	-2.897E+01	-5.918E+02	-4.067E+02	-6.600E+02
-3.780E+02	-2.611E+01	2.235E+02	-2.666E+03	-1.049E+04	-3.338E+03	-3.780E+02	-2.611E+01	2.235E+02	-2.666E+03	-8.056E+02	1.807E+03
-4.066E+02	-5.046E+01	2.563E+02	-1.337E+03	-1.730E+04	-4.061E+03	-4.066E+02	-5.046E+01	2.563E+02	-1.337E+03	-2.278E+03	1.652E+03
-2.568E+02	-2.006E+02	7.901E+02	9.497E+02	-5.719E+04	-2.291E+04	-2.568E+02	-2.006E+02	7.901E+02	9.497E+02	-1.088E+04	-1.110E+04
-1.342E+02	-6.257E+02	-5.117E+02	6.963E+03	3.573E+04	-6.556E+04	-1.342E+02	-6.257E+02	-5.117E+02	6.963E+03	5.737E+03	-2.080E+04
3.262E-03	1.592E-02	1.559E-02	-2.215E-01	-9.910E-01	1.1615E+00	3.202E-03	1.592E-02	1.559E-02	-2.215E-01	7.713E-02	6.817E-01
1.214E+02	-9.646E+02	-1.160E+02	1.277E+04	2.242E+04	-7.167E+04	1.218E+02	-9.646E+02	-1.160E+02	1.277E+04	1.321E+04	1.500E+04



.643E+02	.2891E+00	.1939E+03	.7033E+03	.3391E+04	.4335E+04	.6433E+02	-.289E+01	.1939E+03	.2353E+03	.176E+05	.4504E+04
.433E+01	.330E+00	-.1442E+00	-.3939E+03	-.8806E+02	-.2918E+04	.433E+01	.430E+00	-.1442E+00	-.3939E+03	-.9E+05	-.2943E+04
.235E+02	-.88E+01	.1377E+03	-.6375E+03	.3122E+04	.7705E+03	.5023E+02	-.886E+01	.1377E+03	-.6375E+03	.1121E+05	-.2590E+03
.61E+03	-.7097E+01	-.1205E+03	-.5859E+03	.5699E+04	.1952E+02	.681E+03	-.7097E+01	-.1205E+03	-.5859E+03	-.1368E+04	.4356E+03
.59E+01	-.2494E+01	-.289E+01	-.5918E+02	.1287E+03	-.2128E+03	.659E+01	-.2494E+01	-.289E+01	-.5918E+02	-.4067E+02	-.6600E+02
-.3780E+02	-.2611E+01	.2335E+02	-.2666E+03	-.1449E+04	-.3338E+03	-.3780E+02	-.2611E+01	.2335E+02	-.2666E+03	-.8056E+02	-.1807E+03
-.4066E+02	-.5046E+01	.2563E+02	-.1337E+03	-.1730E+04	-.4611E+03	-.4066E+02	-.5046E+01	.2563E+02	-.1337E+03	-.2278E+03	-.1652E+03
-.2568E+02	-.2006E+02	.7901E+02	.9497E+02	-.5719E+04	-.2291E+04	-.2568E+02	-.2006E+02	.7901E+02	.9497E+02	-.1088E+04	-.1116E+04
-.1342E+02	-.6257E+02	-.5117E+02	.6943E+03	.3573E+04	-.6556E+04	-.1342E+02	-.6257E+02	-.5117E+02	.6943E+03	.5737E+03	-.2868E+04
.3282E+03	.1592E+02	.1559E+02	-.2215E+01	-.4910E+01	.1615E+00	.3282E+03	.1592E+02	.1559E+02	-.2215E+01	-.7713E+02	.6017E+01
.1218E+02	-.9668E+02	-.1606E+02	.1277E+04	.7262E+04	-.7167E+04	.1218E+02	-.9668E+02	-.1606E+02	.1277E+04	.1321E+04	-.1500E+04
-.2664E+01	.709E+01	-.7013E+01	-.6943E+02	.6064E+03	-.3672E+03	-.2664E+01	.709E+01	-.7013E+01	-.6943E+02	.1954E+03	-.4839E+02
.1259E+01	-.4923E+01	.2633E+01	.4706E+02	-.2155E+03	-.3343E+03	.1259E+01	-.4923E+01	.2633E+01	.4706E+02	-.6116E+02	-.4567E+02
-.1359E+01	.9346E+01	-.1137E+02	.1860E+02	.1213E+04	.4514E+03	-.1359E+01	.9346E+01	-.1137E+02	.1864E+02	.5469E+03	-.9643E+02
-.3040E+00	.3364E+01	.159E+01	.1242E+01	.1922E+03	.1065E+03	-.3040E+00	.3364E+01	.159E+01	.1242E+01	.2757E+03	-.2973E+02
.339E+00	.499E+00	.1312E+01	.1715E+01	-.3993E+02	.1922E+01	.339E+00	.499E+00	.1312E+01	.1715E+01	-.4601E+02	-.2738E+02
.1255E+02	.2175E+01	.025E+02	.7066E+02	-.3152E+04	.2566E+02	.1255E+02	.2175E+01	.025E+02	.7066E+02	-.6573E+03	-.1019E+03
.499E+00	-.4015E+00	.1223E+00	.2101E+01	-.1221E+02	-.4615E+00	.499E+00	-.4015E+00	.1223E+00	.2101E+01	-.5038E+01	-.1568E+02
-.1664E+02	-.1094E+01	.1433E+01	.1681E+02	-.6262E+02	-.6995E+02	-.1664E+02	-.1094E+01	.1433E+01	.1681E+02	.2139E+02	-.5804E+01
.2506E+02	-.1572E+01	-.167E+02	-.4136E+02	.1492E+04	-.2618E+03	.2506E+02	-.1572E+01	-.167E+02	-.4136E+02	.5111E+03	-.1696E+03
-.2419E+02	.1257E+01	-.8620E+01	-.1045E+02	.7917E+03	.2658E+03	-.2419E+02	.1257E+01	-.8620E+01	-.1045E+02	.2747E+03	-.1321E+03
.5369E+01	-.1525E+01	.9570E+01	-.9204E+01	-.1099E+04	.6579E+01	.5369E+01	-.1525E+01	.9570E+01	-.9204E+01	-.5385E+03	.9914E+02
.8290E+00	.2471E+01	-.1017E+02	.1193E+02	.7225E+03	.5739E+03	.8290E+00	.2471E+01	-.1017E+02	.1193E+02	.1262E+03	.4290E+03
.2717E+01	.5769E+01	.1083E+01	-.2096E+02	-.5953E+02	.5304E+03	.2717E+01	.5769E+01	.1083E+01	-.2096E+02	.3932E+01	.1911E+03
.3276E+00	-.3272E-01	-.2230E+00	-.7625E+00	.3271E+02	-.1125E+01	.3276E+00	-.3272E-01	-.2230E+00	-.7625E+00	.1964E+02	.3043E+01

# SQUARE ROOT SUM OF THE SQUARES

.5480E+03	.2035E+03	.5674E+03	.1322E+05	.5825E+05	.1364E+05	.5880E+03	.2035E+03	.5674E+03	.1322E+05	.4694E+05	.8750E+04
CLUSELY SPACED MODE SUMMATION METHOD											
.0171E+03	.2079E+03	.5429E+03	.1305E+05	.4950E+05	.1116E+05	.3915E+03	.2079E+03	.5429E+03	.1305E+05	.3044E+05	.1803E+05

## ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 34)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.7830E+01	-.1646E+03	.2574E+02	.1230E+05	-.3198E+04	-.4489E+04	.7830E+01	-.1646E+03	.2574E+02	.1230E+05	-.1697E+04	.1409E+05
.1976E+02	.1326E+02	.4355E+03	.3381E+04	-.3340E+05	-.4929E+04	.1976E+02	.1326E+02	.4355E+03	.3381E+04	-.8000E+04	.5085E+04
-.2276E+01	-.6919E+01	-.1044E+02	-.9588E+03	.1305E+04	-.6606E+03	-.2276E+01	-.6919E+01	-.1044E+02	-.9588E+03	.7566E+03	-.2571E+03
.4621E+01	.2516E+01	-.1089E+01	.5082E+02	.1207E+03	.1690E+03	.4621E+01	.2516E+01	-.1089E+01	.5082E+02	.5717E+02	.2226E+02
.1260E+03	.6970E+01	.1616E+03	.1225E+04	-.2574E+05	-.3349E+03	.1260E+03	.6970E+01	.1616E+03	.1225E+04	-.1632E+05	.7414E+04
.606E+02	-.1541E+01	.4191E+02	.5391E+03	-.7918E+04	.1437E+04	.606E+02	-.1541E+01	.4191E+02	.5391E+03	-.5503E+04	-.1347E+04
-.1863E+03	-.2891E+01	-.5627E+02	-.1603E+03	.1476E+05	.4507E+04	-.1863E+03	-.2891E+01	-.5627E+02	-.1603E+03	.1148E+05	.4676E+04
.5231E+01	.4300E+00	.1192E+01	-.1345E+03	-.9651E+02	-.2967E+04	.5231E+01	.4300E+00	.1192E+01	-.1345E+03	-.2700E+02	.2992E+04
-.1019E+03	-.8862E+01	-.8860E+01	.6124E+03	.1121E+05	-.3139E+03	-.1919E+03	-.8862E+01	-.8860E+01	.6124E+03	.1069E+05	.2029E+05
-.9579E+02	-.7097E+01	.2322E+03	-.6218E+03	-.1368E+04	.3626E+03	-.9579E+02	-.7097E+01	.2322E+03	-.6218E+03	.1218E+05	.7905E+03
.6594E+00	-.2494E+01	.2228E+01	-.5312E+02	-.4067E+02	-.7153E+02	.6594E+00	-.2494E+01	.2228E+01	-.5312E+02	.8930E+02	.7344E+02
-.3259E+02	-.2611E+01	.2772E+02	-.2498E+03	-.8056E+02	-.2030E+03	-.3259E+02	-.2611E+01	.2772E+02	-.2498E+03	.1536E+04	-.5112E+02
-.3134E+02	-.5046E+01	.3117E+02	-.1187E+03	-.2278E+03	-.1763E+03	-.3134E+02	-.5046E+01	.3117E+02	-.1187E+03	.1590E+04	.1160E+03
-.9515E+02	-.2006E+02	.7970E+01	.1924E+03	-.1088E+04	-.1103E+04	-.9515E+02	-.2006E+02	.7990E+01	.1924E+03	-.6217E+03	.6678E+02
-.3189E+02	-.6257E+02	-.7729E+02	.9466E+03	.5737E+03	-.2816E+04	-.3189E+02	-.6257E+02	-.7729E+02	.9466E+03	-.3934E+04	.8334E+03
.1254E+03	.1592E+02	.1511E+02	-.2804E+01	-.7713E+02	.6597E+01	.1254E+03	.1592E+02	.1511E+02	-.2804E+01	.8040E+01	-.2669E+01
.4223E+02	-.9668E+02	.1642E+02	.1404E+04	.1321E+04	-.1392E+04	.4223E+02	-.9668E+02	.1642E+02	.1404E+04	.2278E+04	.4256E+04
-.8187E+00	.709E+01	-.5885E+01	-.6492E+02	.1954E+03	-.5429E+02	-.8187E+00	.709E+01	-.5885E+01	-.6492E+02	-.1479E+03	-.4678E+03
.8592E+00	-.4923E+01	.2554E+01	.5088E+02	-.6116E+02	-.4137E+02	.8592E+00	-.4923E+01	.2554E+01	.5088E+02	.7777E+02	.2456E+03
.7761E+01	.9346E+01	-.2571E+01	.2702E+02	.5469E+03	-.9443E+02	.7761E+01	.9346E+01	-.2571E+01	.2702E+02	.3699E+03	-.6345E+03
.3162E+01	.3364E+01	.5502E+01	.9187E+01	.2747E+03	-.9028E+02	.3162E+01	.3364E+01	.5502E+01	.9187E+01	.5966E+03	-.2865E+03
.1032E+01	.4999E+00	.2221E+01	.4107E+01	.4691E+02	-.2713E+02	.1032E+01	.4999E+00	.2221E+01	.4107E+01	.1755E+03	-.5628E+02
.7024E+01	.2175E+01	.4202E+02	.7933E+02	-.6573E+03	-.9527E+02	.7424E+01	.2175E+01	.4202E+02	.7933E+02	.1794E+04	-.2221E+03
.4991E+00	-.4015E+00	.2337E+00	.5346E+01	-.5033E+01	-.1633E+02	.4991E+00	-.4015E+00	.2337E+00	.5346E+01	.8593E+01	.1059E+02
-.1689E+02	-.1094E+01	-.3510E+01	.1725E+02	.2139E+02	-.4309E+01	-.1689E+02	-.1094E+01	-.3514E+01	.1725E+02	-.1636E+03	.5951E+02
.3315E+02	-.1572E+01	-.7139E+01	-.2634E+02	.5111E+03	-.1726E+03	.3315E+02	-.1572E+01	-.7139E+01	-.2634E+02	.9477E+02	-.8089E+02
-.2665E+02	.1257E+01	-.1381E+02	-.2158E+02	.2747E+03	.1307E+03	-.2665E+02	.1257E+01	-.1381E+02	-.2158E+02	-.5308E+03	.5734E+02
.3575E+01	-.1545E+01	.8981E+01	-.1786E+02	-.5385E+03	.9795E+02	.3575E+01	-.1545E+01	.8981E+01	-.1786E+02	.1471E+02	.1860E+03
.4506E+01	.2471E+01	-.6968E+01	-.2570E+02	.1262E+03	.4284E+03	.4506E+01	.2471E+01	-.6968E+01	-.2570E+02	-.2802E+03	.2843E+03
.2671E+01	.5789E+01	.1382E+01	-.3762E+02	.3932E+01	.1685E+03	.2671E+01	.5789E+01	.1382E+01	-.3762E+02	.8450E+02	-.1491E+03
.4451E+00	-.3272E-01	-.8501E-01	-.1026E+01	.1964E+02	.2965E+01	.4451E+00	-.3272E-01	-.8501E-01	-.1026E+01	.1468E+02	.4873E+01

# SQUARE ROOT SUM OF THE SQUARES

.3034E+03	.2035E+03	.5345E+03	.1301E+05	.4694E+05	.9056E+04	.3434E+03	.2035E+03	.5345E+03	.1301E+05	.2808E+05	.1667E+05
CLUSELY SPACED MODE SUMMATION METHOD											
.3015E+03	.2079E+03	.5429E+03	.1305E+05	.4950E+05	.1116E+05	.3915E+03	.2079E+03	.5429E+03	.1305E+05	.3044E+05	.1803E+05



.26E+01 .5789E+01 .1382E+01 .62E+02 .3932E+01 .1885E+03 .2071E+01 .57E+01 .1382E+01 .3762E+02 .50E+02 .1491E+03  
 .4351E+00 .3272E-01 .8501E-01 .1026E+01 .1944E+02 .2965E+01 .4451E+00 .3272E-01 .8501E-01 .1026E+01 .1468E+02 .4873E-01

SQUARE ROOT SUM OF THE SQUARES

.3434E+03 .2035E+03 .5345E+03 .1301E+05 .4674E+05 .9056E+04 .3434E+03 .2035E+03 .5345E+03 .1301E+05 .2808E+05 .1667E+05  
 CLOSELY SPACED NODE SUMMATION METHOD  
 .3915E+03 .2079E+03 .5429E+03 .1305E+05 .4950E+05 .1116E+05 .3915E+03 .2079E+03 .5429E+03 .1305E+05 .3044E+05 .1803E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 35)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	HZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	HZ(C)
.1248E+02	-.1742E+02	.8580E+01	.1230E+05	-.1409E+05	-.1697E+04	-.9780E+00	-.2141E+02	.8580E+01	.1221E+04	-.1788E+05	.3221E+03
-.2149E+03	-.5458E+03	.2979E+02	.3381E+04	.5065E+04	-.8000E+04	-.5066E+03	-.2957E+03	.2979E+02	.6749E+04	.4652E+04	.3575E+05
.2624E+01	.1144E+02	-.4398E+01	-.9589E+03	.2571E+03	.7566E+03	.9139E+01	.7360E+01	-.4398E+01	-.7355E+03	.3870E+03	-.2206E+03
.1079E+01	-.2622E+01	.1665E+01	.5082E+02	-.2223E+02	.5717E+02	-.7751E+00	-.2727E+01	.1665E+01	.7971E+02	.1056E+03	.3353E+03
.1842E+02	-.1839E+03	.1454E+02	.1225E+04	.7414E+03	-.1632E+05	-.9936E+02	-.1559E+03	.1454E+02	.1849E+04	.1174E+04	.1349E+04
.2649E+02	-.5073E+02	-.6716E+01	.5391E+03	.1347E+04	-.5503E+04	-.1200E+02	-.5513E+02	-.6716E+01	.1041E+04	.1009E+03	.8109E-01
-.9272E+02	.8396E+02	.2940E+02	-.1603E+03	-.4076E+04	.1148E+05	-.2088E+02	.1233E+03	.2940E+02	-.2074E+04	-.8449E+03	.6995E+03
.8016E+01	.3442E+01	-.3151E+02	-.1345E+03	.2992E+04	-.2700E+02	.8427E+01	-.2257E+01	-.3151E+02	.7321E+03	-.4913E+03	-.8850E+02
-.1099E+03	.6133E+02	-.1855E+02	-.6124E+03	-.2029E+03	.1069E+05	-.4837E+02	.1162E+03	-.1855E+02	-.1263E+04	-.1502E+04	.1462E+04
-.1947E+03	.2604E+02	-.1826E+02	-.6218E+03	-.7705E+03	.8218E+05	-.1368E+03	.1410E+03	-.1826E+02	-.1569E+04	-.1936E+04	.3495E+04
-.1023E+01	.5412E+00	.4166E+00	-.5312E+02	-.7394E+02	.8930E+02	-.4687E+00	.1058E+01	.4166E+00	-.7408E+02	.1346E+02	.6189E+01
-.4319E+02	-.9493E+01	-.5430E+01	-.2496E+03	.5112E+02	.1536E+04	-.3980E+02	.1927E+02	-.5430E+01	-.3393E+03	-.3093E+03	.1028E+04
-.4402E+02	-.1255E+02	-.4437E+01	-.1187E+03	-.1186E+03	.1590E+04	-.4027E+02	.2048E+02	-.4437E+01	-.3090E+03	-.4311E+03	.1178E+04
-.1161E+03	-.7585E+02	-.1221E+02	.1924E+03	-.6078E+02	-.6217E+03	-.1382E+03	.1228E+02	-.1271E+02	-.2852E+03	-.1305E+04	.2684E+04
-.3222E+02	-.5094E+02	-.1512E+01	.9447E+03	-.8334E+03	-.3934E+04	-.5683E+02	-.2007E+02	-.1512E+01	.1792E+03	-.1381E+04	-.2440E+03
.6506E-03	.1007E-02	-.2179E-04	-.2804E-01	.2689E-01	.6040E-01	.1134E-02	.3863E-03	-.2179E-04	-.6089E-02	.3645E-01	.7871E-02
.5500E+02	.5461E+02	.3892E+02	.1464E+01	-.4256E+04	.2278E+04	.7948E+02	.1200E+02	.3892E+02	-.2791E+03	-.5994E+03	-.1393E+04
.1026E+01	.4694E-01	-.3872E+01	-.6492E+02	.4676E+03	-.1479E+03	.8368E+00	-.5995E+00	-.3872E+01	.1139E+03	.4818E+02	-.1192E+03
.2694E+00	.7179E+00	.2084E+01	.5088E+02	-.2458E+03	.8777E+02	.5559E+00	.3972E+00	.2084E+01	-.4505E+02	-.3105E+02	.2980E+02
.9090E+01	.1191E+02	-.4562E+01	.2702E+02	.6395E+03	.3969E+03	.1451E+02	.3733E+01	-.4562E+01	.2702E+03	.6209E+02	-.4184E+03
.4762E+01	.1054E+02	-.1598E+01	.9127E+01	.2865E+03	.5966E+03	.1027E+02	.5335E+01	-.1598E+01	.1331E+03	.7106E+02	-.2269E+03
.9319E+00	.2724E+01	-.2677E+00	.4167E+01	.5628E+02	.1755E+03	.2416E+01	.1563E+01	-.2677E+00	.2944E+02	.1682E+02	-.4734E+02
-.1050E+02	.1473E+02	.1382E+00	.7933E+02	.2221E+03	.1794E+04	.2231E+00	.1811E+02	.1382E+00	.2043E+03	.1383E+03	.8617E+02
.1423E+00	.1503E+00	.7138E-01	.3548E+01	-.1059E+02	.8493E+01	.2048E+00	.3005E-01	.7138E-01	-.1469E+01	-.3884E+01	-.7845E+00
-.8002E+01	-.5766E+01	.9655E+00	.1725E+02	-.5951E+02	-.1036E+03	-.9854E+01	.4227E+00	.9655E+00	.7789E+01	.3220E+02	.9421E+02
.2971E+02	.1580E+02	-.2444E+01	-.2634E+02	.8089E+02	.9477E+02	.3312E+02	-.5975E+01	-.2444E+01	-.4926E+02	-.1470E+03	.4182E+03
-.9246E+01	-.9644E+01	.1028E+01	-.2198E+02	-.5734E+02	-.5308E+03	-.1336E+02	-.2010E+01	.1028E+01	-.1969E+02	.6395E+02	.8544E+02
-.2028E+02	-.1048E+02	.2817E+01	-.1725E+02	-.1886E+03	-.1471E+02	-.2241E+02	.4320E+01	.2817E+01	-.3970E+02	.1250E+03	.3054E+03
-.9033E+01	-.6903E+01	-.3844E+01	-.2576E+02	-.2843E+03	-.2802E+03	-.1137E+02	.1675E+00	.3844E+01	-.7244E+02	.1494E+03	.6949E+02
.3563E+01	.2409E+01	-.1355E+01	-.3762E+02	.1491E+03	.8450E+02	.3897E+01	-.3532E-02	-.1355E+01	.1914E+02	.1466E+02	-.4054E+02
.8922E+00	.6290E+00	.3782E-01	-.1026E+01	-.4873E+01	.1468E+02	.1090E+01	-.5804E-01	.3782E-01	-.2603E+01	.3232E+00	-.1500E+02

SQUARE ROOT SUM OF THE SQUARES

.3599E+03 .5994E+03 .7460E+02 .1301E+05 .1667E+05 .2808E+05 .5683E+03 .4072E+03 .7460E+02 .7855E+04 .1882E+05 .3615E+05  
 CLOSELY SPACED NODE SUMMATION METHOD  
 .3797E+03 .6094E+03 .9753E+02 .1305E+05 .1803E+05 .3044E+05 .5761E+03 .4274E+03 .9753E+02 .8471E+04 .1891E+05 .3622E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 35)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	HZ(J)
-.1402E+02	-.1621E+02	.8580E+01	-.9830E+04	-.1400E+05	.2278E+04
-.5809E+03	.2118E+02	.2979E+02	.9139E+04	.2243E+04	.4690E+05
.1173E+02	.1260E+00	-.4398E+01	-.4798E+03	.3509E+03	-.6098E+03
-.2297E+01	-.1663E+01	.1665E+01	.1816E+03	.1882E+03	.5635E+03
-.1745E+03	-.6097E+02	.1454E+02	.2678E+04	.1103E+04	.1262E+05
-.4354E+02	-.3588E+02	-.6716E+01	.6639E+03	-.1168E+04	.4731E+04
.5992E+02	.1098E+03	.2940E+02	-.1766E+04	.3349E+04	-.1142E+05
.5222E+01	-.6928E+01	-.3151E+02	.7426E+03	-.3764E+04	.3921E+03
.3390E+02	.1212E+03	-.1855E+02	-.2477E+04	-.2157E+04	-.1088E+05
-.2026E+02	.1954E+03	-.1826E+02	-.3018E+04	-.2245E+04	-.1399E+05
.2867E+00	.1121E+01	.4166E+00	-.3644E+02	.9508E+02	-.1072E+03
-.1034E+02	.3977E+02	-.5430E+01	-.6326E+03	-.5370E+03	-.2042E+04
-.2168E+02	.4472E+02	-.4437E+01	-.6523E+03	-.5593E+03	-.2211E+04
-.1009E+03	.9514E+02	-.1221E+02	-.1423E+04	-.1984E+04	-.2901E+04
-.5706E+02	.1940E+02	-.1512E+01	-.7628E+03	-.1336E+04	-.2070E+03
.1131E-02	-.3908E-03	-.2179E-04	.1707E-01	.3038E-01	.8314E-02
.6926E+02	-.3975E+02	.3892E+02	.6620E+03	.3315E+04	.5002E+02
.2463E+00	-.9829E+00	-.3872E+01	-.5225E+01	-.3921E+03	-.3659E+02
.7610E+00	.9384E-01	.2684E+01	.1245E+02	.1970E+03	-.1402E+02
.1171E+02	-.6048E+01	-.0562E+01	.1039E+03	-.5419E+03	-.2960E+03





.2015E+02 .1954E+02 .1826E+02 .181E+04 .2245E+04 .1399E+05  
 .2867E+00 .1121E+01 .4166E+00 .3646E+02 .9508E+02 .1072E+03  
 .934E+02 .3977E+02 .5430E+01 .8326E+03 .5370E+03 .2642E+04  
 .888E+02 .4472E+02 .4437E+01 .6523E+03 .5593E+03 .2211E+04  
 .009E+03 .9514E+02 .1221E+02 .1423E+04 .1984E+04 .2901E+04  
 .5706E+02 .1940E+02 .1512E+01 .7624E+03 .1336E+04 .2070E+03  
 .1131E+02 .3968E+03 .2179E+04 .1707E+01 .3038E+01 .8314E+02  
 .6984E+02 .3975E+02 .3892E+02 .0620E+03 .3315E+04 .5002E+02  
 .2863E+00 .9888E+00 .3872E+01 .5225E+01 .3921E+03 .3659E+02  
 .7610E+00 .9384E+01 .2684E+01 .1245E+02 .1970E+03 .1402E+02  
 .1371E+02 .6048E+01 .4502E+01 .1019E+03 .5419E+03 .2960E+03  
 .1137E+02 .2162E+01 .1592E+01 .9714E+02 .1748E+03 .3939E+03  
 .2667E+01 .2683E+00 .2677E+06 .2492E+02 .2785E+02 .1147E+03  
 .1185E+02 .1372E+02 .1388E+00 .2505E+03 .4887E+01 .1568E+04  
 .1794E+00 .1031E+00 .7138E+01 .1261E+01 .4484E+01 .3014E+01  
 .7479E+01 .6430E+01 .9655E+00 .5711E+02 .1101E+03 .2620E+03  
 .2232E+02 .2519E+02 .2444E+01 .2083E+03 .3118E+03 .1204E+04  
 .1174E+02 .6086E+01 .1028E+01 .5714E+02 .1578E+03 .1577E+03  
 .1493E+02 .1726E+02 .2819E+01 .1369E+03 .3545E+03 .8167E+03  
 .8625E+01 .7164E+01 .3844E+01 .1593E+03 .5191E+03 .3113E+03  
 .3059E+01 .2414E+01 .1355E+01 .1948E+02 .1261E+03 .8516E+02  
 .8204E+00 .7202E+00 .3788E+01 .6262E+00 .5381E+01 .2546E+02

# SQUARE ROOT SUM OF THE SQUARES

.6294E+03 .3045E+03 .7460E+02 .1447E+05 .1604E+05 .5343E+05  
 CLOSELY SPACED MCOF SUMMATION METHOD  
 .6372E+03 .3308E+03 .9753E+02 .1479E+05 .1768E+05 .5486E+05

## ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 36)

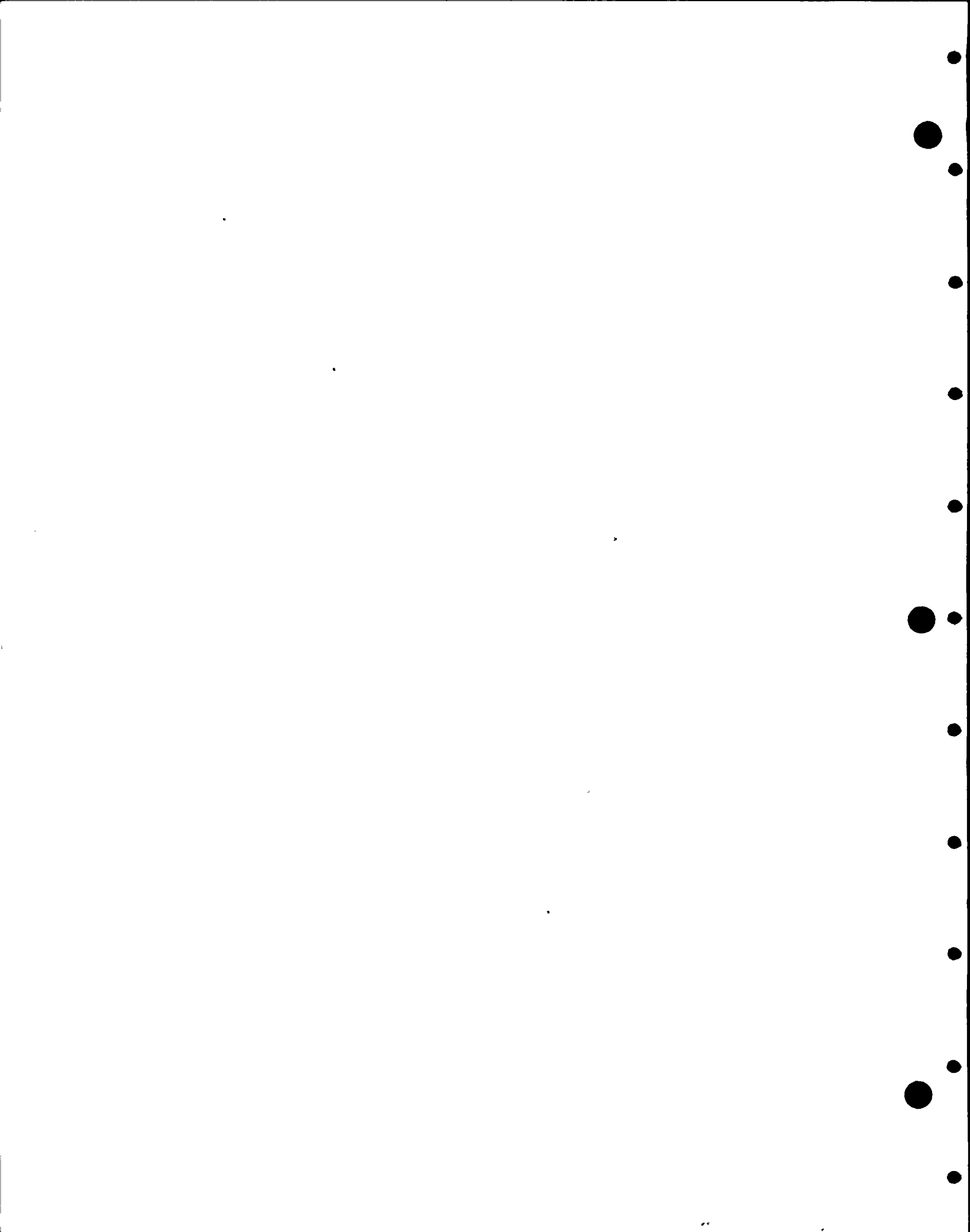
PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
.3490E+01	.1204E+03	.1353E+02	.9830E+04	.2278E+04	.1400E+05	.3490E+01	.1204E+03	.1353E+02	.9830E+04	.2704E+04	.1022E+05
.5901E+03	.4210E+02	.2906E+03	.9134E+04	.4690E+05	.2243E+04	.5901E+03	.4210E+02	.2906E+03	.9139E+04	.3776E+05	.3508E+04
.1214E+02	.3372E+01	.3883E+01	.4778E+03	.6098E+03	.1214E+02	.3372E+01	.3883E+01	.4778E+03	.4877E+03	.2449E+03	.1865E+03
.2625E+01	.8612E+02	.2328E+01	.1816E+03	.5635E+03	.1682E+03	.2625E+01	.8612E+02	.2328E+01	.1816E+03	.4903E+03	.1507E+04
.1826E+03	.1477E+02	.3957E+02	.2678E+04	.1262E+05	.1103E+04	.1826E+03	.1477E+02	.3957E+02	.2678E+04	.4496E+04	.1024E+04
.4413E+02	.5217E+01	.7485E+01	.6639E+03	.4731E+04	.1188E+04	.4413E+02	.5217E+01	.7485E+01	.6639E+03	.4496E+04	.1024E+04
.5774E+02	.5690E+01	.5075E+01	.1206E+04	.1142E+05	.3309E+04	.5774E+02	.5690E+01	.5075E+01	.1206E+04	.4496E+04	.1024E+04
.1237E+02	.7938E+00	.3380E+01	.7426E+03	.3921E+03	.3764E+04	.1237E+02	.7938E+00	.3380E+01	.7426E+03	.3789E+04	.2302E+04
.4133E+02	.4607E+01	.2088E+01	.2472E+04	.1066E+05	.2157E+04	.4133E+02	.4607E+01	.2088E+01	.2472E+04	.1097E+05	.2302E+04
.1553E+02	.1957E+01	.4846E+02	.3018E+04	.1399E+05	.2245E+04	.1553E+02	.1957E+01	.4846E+02	.3018E+04	.1552E+05	.2307E+04
.1050E+01	.5878E+01	.1913E+00	.3646E+02	.1072E+03	.5508E+02	.1050E+01	.5878E+01	.1913E+00	.3646E+02	.1132E+03	.9693E+02
.2198E+02	.1713E+01	.1304E+02	.632E+03	.2042E+04	.5370E+03	.2198E+02	.1713E+01	.1304E+02	.6326E+03	.2454E+04	.4651E+03
.2807E+02	.3241E+01	.1569E+02	.6523E+03	.2211E+04	.5593E+03	.2807E+02	.3241E+01	.1569E+02	.6523E+03	.2705E+04	.4574E+03
.1498E+03	.2828E+02	.4295E+02	.1423E+04	.2901E+04	.1984E+04	.1498E+03	.2828E+02	.4295E+02	.1423E+04	.4252E+04	.1094E+04
.1573E+03	.6282E+02	.3259E+01	.7624E+03	.2670E+03	.1336E+04	.1573E+03	.6282E+02	.3259E+01	.7624E+03	.3095E+03	.6399E+03
.3586E+02	.1553E+02	.7259E+04	.1707E+01	.8314E+02	.3038E+01	.3586E+02	.1553E+02	.7259E+04	.1707E+01	.1060E+01	.1648E+01
.8205E+02	.8584E+01	.3470E+02	.6620E+03	.5002E+02	.3315E+04	.8205E+02	.8584E+01	.3470E+02	.6620E+03	.1142E+04	.3585E+04
.8209E+01	.3575E+01	.2690E+01	.5285E+01	.3659E+02	.3721E+03	.8209E+01	.3575E+01	.2690E+01	.5285E+01	.4802E+02	.2796E+03
.4226E+01	.1188E+01	.6175E+00	.1245E+02	.1402E+02	.1970E+03	.4226E+01	.1188E+01	.6175E+00	.1245E+02	.5399E+01	.1596E+03
.3505E+01	.6906E+01	.1283E+02	.1039E+03	.2960E+03	.5419E+03	.3505E+01	.6906E+01	.1283E+02	.1039E+03	.1054E+03	.2618E+03
.3709E+01	.6631E+01	.1101E+02	.9714E+02	.3939E+03	.1748E+03	.3709E+01	.6631E+01	.1101E+02	.9714E+02	.4765E+02	.2917E+02
.1292E+01	.1067E+01	.2792E+01	.2492E+02	.1147E+03	.2985E+02	.1292E+01	.1067E+01	.2792E+01	.2492E+02	.2664E+02	.3694E+01
.9631E+01	.4360E+01	.2310E+02	.2505E+03	.1568E+04	.4888E+01	.9631E+01	.4360E+01	.2310E+02	.2505E+03	.8417E+03	.1323E+03
.2534E+00	.1114E+00	.4493E+01	.1261E+01	.3014E+01	.4488E+01	.2534E+00	.1114E+00	.4493E+01	.1261E+01	.1601E+01	.7989E+01
.5457E+01	.2551E+01	.2754E+01	.5711E+02	.2620E+03	.1101E+03	.5457E+01	.2551E+01	.2754E+01	.5711E+02	.1754E+02	.2966E+02
.2012E+02	.1004E+02	.1087E+02	.2083E+03	.1204E+04	.3118E+03	.2012E+02	.1004E+02	.1087E+02	.2083E+03	.8620E+03	.3961E+01
.1243E+02	.6694E+01	.1234E+01	.5716E+02	.1577E+03	.1578E+03	.1243E+02	.6694E+01	.1234E+01	.5716E+02	.1189E+03	.5276E+02
.2175E+02	.1431E+02	.5791E+01	.1369E+03	.8167E+03	.3845E+03	.2175E+02	.1431E+02	.5791E+01	.1369E+03	.6346E+03	.6571E+02
.3065E+02	.2546E+02	.2844E+01	.1593E+03	.3113E+03	.5191E+03	.3065E+02	.2546E+02	.2844E+01	.1593E+03	.2218E+03	.2817E+03
.3726E+01	.2391E+01	.4312E+00	.1948E+02	.8516E+02	.1261E+03	.3726E+01	.2391E+01	.4312E+00	.1948E+02	.7160E+02	.5087E+02
.1265E+00	.3404E+00	.5590E+01	.6262E+00	.2546E+02	.5381E+01	.1265E+00	.3404E+00	.5590E+01	.6262E+00	.2370E+02	.5325E+01

# SQUARE ROOT SUM OF THE SQUARES

.6672E+03 .1501E+03 .3052E+03 .1447E+05 .5343E+05 .1604E+05 .6672E+03 .1501E+03 .3052E+03 .1447E+05 .4589E+05 .1308E+05  
 CLOSELY SPACED MCOF SUMMATION METHOD  
 .6777E+03 .1550E+03 .3076E+03 .1479E+05 .5486E+05 .1768E+05 .6777E+03 .1550E+03 .3076E+03 .1479E+05 .4754E+05 .1494E+05

## ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 37)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
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SQUARE ROOT SUM OF THE SQUARES

672E+03 .1501E+03 .3052E+03 .1447E+05 .5343E+05 .1604E+05 .6672E+03 .1501E+03 .3052E+03 .1447E+05 .4589E+05 .1308E+05  
CLOSELY SPACED PCODE SUMMATION METHOD  
777E+03 .1550E+03 .3076E+03 .1479E+05 .5486E+05 .1768E+05 .6777E+03 .1550E+03 .3076E+03 .1479E+05 .4754E+05 .1444E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 37)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
1940E+01	1689E+03	1187E+02	-9832E+04	2704E+04	1022E+05	1940E+01	1689E+03	1187E+02	-9832E+04	2704E+04	1022E+05
-5947E+03	4600E+02	-3856E+03	9139E+04	3776E+05	-3566E+04	-5947E+03	4600E+02	-3856E+03	9139E+04	3776E+05	-3566E+04
1234E+02	-2944E+01	5670E+01	-4797E+03	-4677E+03	-2449E+03	1234E+02	-2944E+01	5670E+01	-4797E+03	-4677E+03	-2449E+03
-2793E+01	-7084E+00	-4175E+01	1816E+03	4903E+03	-1285E+03	-2793E+01	-7084E+00	-4175E+01	1816E+03	4903E+03	-1285E+03
-1867E+03	1363E+02	-8666E+02	2678E+04	1138E+05	-1567E+04	-1867E+03	1363E+02	-8666E+02	2678E+04	1138E+05	-1567E+04
-4440E+02	1056E+02	-2831E+02	6637E+03	4496E+04	-1024E+04	-4440E+02	1056E+02	-2831E+02	6637E+03	4496E+04	-1024E+04
5656E+02	-2125E+02	6129E+02	-1205E+04	-1126E+05	-3189E+04	5656E+02	-2125E+02	6129E+02	-1205E+04	-1126E+05	-3189E+04
1604E+02	1463E+02	1214E+01	-7433E+03	4924E+03	3788E+04	1604E+02	1463E+02	1214E+01	-7433E+03	4924E+03	3788E+04
4511E+02	3308E+01	5609E+02	-2472E+04	-1097E+05	2301E+04	4511E+02	3308E+01	5609E+02	-2472E+04	-1097E+05	2301E+04
-1307E+02	7811E+01	3798E+02	-3019E+04	-1552E+05	2306E+04	-1307E+02	7811E+01	3798E+02	-3019E+04	-1552E+05	2306E+04
-1639E+00	-2315E+00	3746E+00	-3645E+02	-1132E+03	-7694E+02	-1639E+00	-2315E+00	3746E+00	-3645E+02	-1132E+03	-7694E+02
-2329E+02	5039E+01	3044E+01	-6327E+03	-2454E+04	4830E+03	-2329E+02	5039E+01	3044E+01	-6327E+03	-2454E+04	4830E+03
-3028E+02	6569E+01	2247E+01	-6524E+03	-2705E+04	4572E+03	-3028E+02	6569E+01	2247E+01	-6524E+03	-2705E+04	4572E+03
-1671E+03	4180E+02	-8085E+01	1423E+04	-4252E+04	1094E+04	-1671E+03	4180E+02	-8085E+01	1423E+04	-4252E+04	1094E+04
-2085E+03	7490E+02	3629E+01	-7622E+03	-3095E+03	-4401E+03	-2085E+03	7490E+02	3629E+01	-7622E+03	-3095E+03	-4401E+03
4341E+02	-1820E+02	-7862E+04	1707E+01	1040E+01	-1848E+01	4341E+02	-1820E+02	-7862E+04	1707E+01	1040E+01	-1848E+01
8796E+02	-1417E+02	2242E+02	6627E+03	1142E+04	-3585E+04	8796E+02	-1417E+02	2242E+02	6627E+03	1142E+04	-3585E+04
-1255E+02	6349E+01	2514E+01	-5335E+01	4802E+02	2796E+03	-1255E+02	6349E+01	2514E+01	-5335E+01	4802E+02	2796E+03
5084E+01	-2597E+01	-6985E+00	1244E+02	-5399E+01	-1596E+03	5084E+01	-2597E+01	-6985E+00	1244E+02	-5399E+01	-1596E+03
-1237E+02	1258E+02	1178E+02	1038E+03	1075E+03	-1237E+02	-1237E+02	1258E+02	1178E+02	1038E+03	1075E+03	-1237E+02
-2678E+00	5810E+01	1142E+02	9713E+02	-4765E+02	2919E+02	-2678E+00	5810E+01	1142E+02	9713E+02	-4765E+02	2919E+02
4092E+00	1255E+01	3027E+01	2492E+02	2684E+02	-3690E+01	4092E+00	1255E+01	3027E+01	2492E+02	2684E+02	-3690E+01
8387E+01	3971E+01	3225E+02	2505E+02	-6417E+03	-1322E+03	8387E+01	3971E+01	3225E+02	2505E+02	-6417E+03	-1322E+03
2890E+00	5450E+01	-8522E+01	-1255E+01	1601E+01	7989E+01	2890E+00	5450E+01	-8522E+01	-1255E+01	1601E+01	7989E+01
-4351E+01	-3099E+01	5656E+01	5711E+02	-1754E+03	-2985E+02	-4351E+01	-3099E+01	5656E+01	5711E+02	-1754E+03	-2985E+02
1873E+02	1095E+02	-2331E+02	2063E+03	8620E+03	-3998E+01	1873E+02	1095E+02	-2331E+02	2063E+03	8620E+03	-3998E+01
-1262E+02	-6770E+01	3883E+01	5715E+02	-1189E+03	5279E+02	-1262E+02	-6770E+01	3883E+01	5715E+02	-1189E+03	5279E+02
-2493E+02	-1462E+02	1478E+02	1369E+03	-6346E+03	6574E+02	-2493E+02	-1462E+02	1478E+02	1369E+03	-6346E+03	6574E+02
-4141E+02	-2428E+02	6308E+01	1592E+03	-2218E+03	2818E+03	-4141E+02	-2428E+02	6308E+01	1592E+03	-2218E+03	2818E+03
4004E+01	3086E+01	-1611E+01	-1949E+02	7160E+02	5087E+02	4004E+01	3086E+01	-1611E+01	-1949E+02	7160E+02	5087E+02
-2340E+00	-2906E+00	-4402E+00	-6271E+00	2370E+02	5325E+01	-2340E+00	-2906E+00	-4402E+00	-6271E+00	2370E+02	5325E+01

SQUARE ROOT SUM OF THE SQUARES

6930E+03 .2014E+03 .4103E+03 .1447E+05 .4589E+05 .1308E+05 .6930E+03 .2014E+03 .4103E+03 .1447E+05 .4789E+05 .1330E+05  
CLOSELY SPACED PCODE SUMMATION METHOD  
7051E+03 .2086E+03 .4173E+03 .1479E+05 .4754E+05 .1444E+05 .7051E+03 .2086E+03 .4173E+03 .1479E+05 .4946E+05 .1443E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 36)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
1664E+02	2282E+03	6458E+01	-9832E+04	3749E+04	-4645E+04	1664E+02	2282E+03	6458E+01	-9832E+04	3749E+04	-4645E+04
-6063E+03	4181E+02	-5150E+03	9139E+04	3827E+04	-7619E+04	-6063E+03	4181E+02	-5150E+03	9139E+04	3827E+04	-7619E+04
1286E+02	-2257E+01	7736E+01	-4797E+03	1128E+02	1411E+02	1286E+02	-2257E+01	7736E+01	-4797E+03	1128E+02	1411E+02
-3239E+01	-1951E+01	-6788E+01	1816E+03	1228E+03	-1209E+03	-3239E+01	-1951E+01	-6788E+01	1816E+03	1228E+03	-1209E+03
-1970E+03	1568E+01	-1568E+03	2678E+04	3752E+04	-2766E+04	-1970E+03	1568E+01	-1568E+03	2678E+04	3752E+04	-2766E+04
-4491E+02	1653E+02	-6176E+02	6637E+03	2005E+04	9491E+02	-4491E+02	1653E+02	-6176E+02	6637E+03	2005E+04	9491E+02
5305E+02	-4335E+02	1566E+03	-1205E+04	-5865E+04	-1318E+04	5305E+02	-4335E+02	1566E+03	-1205E+04	-5865E+04	-1318E+04
2589E+02	4091E+02	-5159E+01	7433E+03	6052E+03	2501E+04	2589E+02	4091E+02	-5159E+01	7433E+03	6052E+03	2501E+04
5502E+02	2093E+02	1583E+03	-2472E+04	-6033E+04	2010E+04	5502E+02	2093E+02	1583E+03	-2472E+04	-6033E+04	2010E+04
-6264E+01	2838E+02	2409E+03	-3019E+04	-1217E+05	1619E+04	-6264E+01	2838E+02	2409E+03	-3019E+04	-1217E+05	1619E+04
-5768E+00	-1975E+01	1695E+01	-3645E+02	-8020E+02	-7657E+02	-5768E+00	-1975E+01	1695E+01	-3645E+02	-8020E+02	-7657E+02
-2650E+02	7755E+01	4287E+02	-6327E+03	-2185E+04	3954E+02	-2650E+02	7755E+01	4287E+02	-6327E+03	-2185E+04	3954E+02
-3577E+02	7579E+01	4811E+02	-6524E+03	-2507E+04	-1209E+03	-3577E+02	7579E+01	4811E+02	-6524E+03	-2507E+04	-1209E+03
-2239E+03	1799E+02	9273E+02	1423E+04	-4964E+04	-2584E+04	-2239E+03	1799E+02	9273E+02	1423E+04	-4964E+04	-2584E+04
-3415E+03	-2300E+02	7494E+01	-7622E+03	9619E+01	-7232E+04	-3415E+03	-2300E+02	7494E+01	-7622E+03	9619E+01	-7232E+04
6105E+02	6521E+03	-2223E+03	1707E+01	3679E+02	1786E+00	6105E+02	6521E+03	-2223E+03	1707E+01	3679E+02	1786E+00
1009E+03	-6100E+02	-5166E+02	6627E+03	3115E+04	-2337E+04	1009E+03	-6100E+02	-5166E+02	6627E+03	3115E+04	-2337E+04
-2381E+02	1878E+01	-3808E+01	-5335E+01	2693E+03	-2791E+03	-2381E+02	1878E+01	-3808E+01	-5335E+01	2693E+03	-2791E+03
1052E+02	-1645E+01	8377E+00	1248E+02	-6687E+02	-8922E+02	1052E+02	-1645E+01	8377E+00	1248E+02	-6687E+02	-8922E+02
-3581E+02	-3502E+01	1718E+02	1038E+03	1144E+04	-8451E+03	-3581E+02	-3502E+01	1718E+02	1038E+03	1144E+04	-8451E+03
-1101E+02	4339E+01	-1424E+02	9713E+02	9569E+03	-6821E+03	-1101E+02	4339E+01	-1424E+02	9713E+02	9569E+03	-6821E+03
-1780E+01	-1232E+01	-3552E+01	2492E+02	2395E+03	-1141E+03	-1780E+01	-1232E+01	-3552E+01	2492E+02	2395E+03	-1141E+03
4341E+01	-8129E+01	-2925E+02	2505E+02	1997E+04	-6817E+03	4341E+01	-8129E+01	-2925E+02	2505E+02	1997E+04	-6817E+03



PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
- .2282E+03	-.1663E+02	-.6458E+01	-.4317E+04	.9541E+04	.2508E+05
-.4181E+02	-.6063E+03	.5150E+03	.4150E+05	.1404E+05	-.1599E+05
-.257E+01	-.1226E+02	-.7734E+01	-.6921E+03	.1314E+03	.1560E+03



CLOSELY SPACED MOCF MAPPING METHOD  
 7926E+03 .2813E+03 .6710E+03 .1479E+05 .1934E+05 .1912E+05 .6248E+03 .5601E+03 .6710E+03 .3013E+05 .2564E+05 .2237E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 39)

PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-2282E+03	-1664E+02	-6458E+01	-4317E+04	9541E+04	2548E+05
-4181E+02	6063E+03	5150E+03	4150E+05	1404E+05	1599E+05
2257E+01	-1286E+02	-7736E+01	-6921E+03	1316E+03	3600E+03
1951E+01	3239E+01	6788E+01	4745E+03	1238E+03	-1966E+03
-4680E+01	1970E+03	1568E+03	1004E+05	4370E+04	-5671E+04
-1653E+02	4491E+02	6176E+02	3430E+04	2115E+04	-6610E+03
4335E+02	-5305E+02	-1566E+03	-7919E+04	-5844E+04	-1092E+03
-4691E+02	-2589E+02	5159E+01	-1512E+03	9754E+03	2264E+04
-2093E+02	-5502E+02	-1563E+03	-7902E+04	-4654E+04	2307E+04
-2838E+02	6244E+01	-2409E+03	-9027E+04	-7822E+04	5967E+03
1075E+01	5748E+00	-1695E+01	-6895E+02	-3982E+02	-4397E+02
-7755E+01	2650E+02	-4297E+02	-1587E+04	-1296E+04	-5495E+03
-7579E+01	3577E+02	-4811E+02	-1727E+04	-1513E+04	-8219E+03
-1799E+02	2239E+03	-9273E+02	-3197E+04	-2750E+04	-5908E+04
2300E+02	3415E+03	-7494E+01	-6693E+03	4250E+03	-1016E+05
-6521E+03	-8165E+02	2223E+03	1588E+01	-7066E+02	2435E+00
6100E+02	-1009E+03	5106E+02	1431E+04	1062E+04	1506E+04
-1878E+01	2321E+02	3808E+01	6582E+02	1767E+03	-6271E+03
1645E+01	-1052E+02	-8377E+00	-6848E+01	-5017E+02	2597E+03
3502E+01	3581E+02	1718E+02	3672E+03	6691E+03	-1074E+04
4339E+01	1101E+02	1424E+02	2963E+03	5437E+03	-3952E+03
1232E+01	1780E+01	3552E+01	7304E+02	1349E+03	-7340E+02
8124E+01	-4436E+01	2925E+02	5770E+03	1066E+04	-3364E+02
2765E+00	-3627E+00	-8971E+01	-1996E+01	-2777E+01	4774E+01
-3749E+01	9675E+00	4769E+01	9730E+02	1575E+03	4355E+02
1720E+02	-1313E+02	-1749E+02	-3503E+03	-5789E+03	4395E+02
-1228E+02	1165E+02	3413E+01	7747E+02	9642E+02	-1006E+03
-2701E+02	3065E+02	9889E+01	2040E+03	3031E+03	-3544E+03
-5692E+02	-6508E+02	5735E+01	1713E+03	9886E+02	-6846E+03
4197E+01	-4217E+01	-1076E+01	-2453E+02	-2894E+02	4111E+02
-7313E+00	1173E+01	-1478E+00	-2361E+01	-8273E+01	-1935E+02

SQUARE ROOT SLM OF THE SQUARES  
 2599E+03 .7759E+03 .6471E+03 .4560E+05 .2113E+05 .3305E+05  
 CLOSELY SPACED MOCF SLM MAPPING METHOD  
 2813E+03 .7926E+03 .6710E+03 .4644E+05 .2235E+05 .3334E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 40)

PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
-2282E+03	-6875E+00	1784E+02	-4317E+04	2098E+05	-1732E+05	-2282E+03	-6875E+00	1784E+02	-4317E+04	2098E+05	-1732E+05
-4181E+02	2895E+03	-7409E+03	4150E+05	-1969E+05	-8065E+04	-4181E+02	2895E+03	-7409E+03	4150E+05	-1970E+05	-8072E+04
2257E+01	-3126E+01	1468E+02	-6921E+03	3032E+03	-2436E+03	2257E+01	-3126E+01	1468E+02	-6921E+03	3035E+03	-2435E+03
1951E+01	5363E+01	-5272E+01	4745E+03	-2262E+03	-5308E+02	1951E+01	5363E+01	-5272E+01	4745E+03	-2263E+03	-5321E+02
-4680E+01	2405E+02	-2373E+03	1004E+05	-6797E+04	-2291E+04	-4680E+01	8405E+02	-2373E+03	1004E+05	-6793E+04	-2293E+04
-1653E+02	4377E+02	-6258E+02	3430E+04	-1314E+04	-1785E+04	-1653E+02	4377E+02	-6258E+02	3430E+04	-1315E+04	-1766E+04
4335E+02	-1308E+03	1012E+03	-7919E+04	1800E+04	5561E+04	4335E+02	-1308E+03	1012E+03	-7919E+04	1802E+04	5564E+04
-4691E+02	1331E+02	2280E+02	-1512E+03	1823E+04	-1660E+04	-4691E+02	1331E+02	2280E+02	-1512E+03	1824E+04	-1660E+04
-2093E+02	-1316E+03	1036E+03	-7902E+04	3697E+04	3649E+04	-2093E+02	-1318E+03	1036E+03	-7902E+04	3699E+04	3652E+04
-2838E+02	-2298E+03	7252E+02	-9027E+04	3111E+04	7201E+04	-2838E+02	-2298E+03	7252E+02	-9027E+04	3113E+04	7207E+04
1075E+01	-1790E+01	6533E+02	-6895E+02	-2801E+02	5197E+02	1075E+01	-1790E+01	6533E+02	-6895E+02	-2861E+02	5201E+02
-7755E+01	-4916E+02	-1110E+02	-1587E+04	-9740E+02	1405E+04	-7755E+01	-4916E+02	-1110E+02	-1587E+04	-9767E+02	1406E+04
-7579E+01	5714E+02	-1816E+02	-1727E+04	-2846E+03	1698E+04	-7579E+01	5714E+02	-1816E+02	-1727E+04	1699E+04	1699E+04
-1799E+02	-1606E+03	1815E+03	-3197E+04	4523E+04	-1799E+02	-1606E+03	1815E+03	-3197E+04	4523E+04	-1799E+02	4523E+04
2300E+02	-1183E+03	3204E+03	-6693E+03	9734E+04	2906E+04	2300E+02	-1183E+03	3204E+03	-6693E+03	9751E+04	2909E+04
-6521E+03	2849E+02	7591E+02	1588E+01	2325E+00	-7260E+01	-6521E+03	2849E+02	7591E+02	1588E+01	2327E+00	-7267E+01
6100E+02	8168E+02	7854E+02	1431E+04	8845E+03	-2062E+04	6100E+02	8168E+02	7854E+02	1431E+04	8846E+03	-2068E+04
-1878E+01	-4153E+01	-2375E+02	6582E+02	-6505E+03	3715E+02	-1878E+01	-4153E+01	-2375E+02	6582E+02	-6511E+03	3725E+02
1645E+01	2633E+01	1022E+02	-6848E+01	2619E+03	-3712E+02	1645E+01	2633E+01	1022E+02	-6848E+01	2621E+03	-3716E+02
3502E+01	4580E+01	-3945E+02	3672E+03	-1234E+04	-2828E+03	3502E+01	4580E+01	-3945E+02	3672E+03	-1235E+04	-2829E+03
4339E+01	9879E+01	-1505E+02	2963E+03	-5507E+03	-3654E+03	4339E+01	9879E+01	-1505E+02	2963E+03	-5511E+03	-3656E+03
1232E+01	2778E+01	-2840E+01	7304E+02	-1143E+03	-1033E+03	1232E+01	2778E+01	-2840E+01	7304E+02	-1143E+03	-1034E+03
8124E+01	2910E+02	-5329E+01	5770E+03	-3788E+03	-9966E+03	8124E+01	2910E+02	-5329E+01	5770E+03	-3789E+03	-9973E+03
2765E+00	3329E+01	3721E+00	-1996E+01	5498E+01	1072E+01	2765E+00	3329E+01	3721E+00	-1996E+01	5427E+01	1071E+01
-3749E+01	4194E+01	-2468E+01	9730E+02	-1010E+02	-1631E+03	-3749E+01	4194E+01	-2468E+01	9730E+02	-1016E+02	-1632E+03
1720E+02	-1227E+02	1811E+02	-3503E+03	2301E+03	5331E+03	1720E+02	-1227E+02	1811E+02	-3503E+03	2305E+03	5334E+03





-650E-03	.2849E-02	.7591E-02	.884E-01	.2325E-00	-.7260E-01	.6521E-03	.284E-02	.7591E-02	.1588E-01	.227E+00	-.7267E-01
.6100E+02	.8168E+02	.7854E+02	.1431E+04	.8645E+03	-.2962E+04	.6100E+02	.8168E+02	.7854E+02	.1431E+04	.8645E+03	-.2962E+04
.1878E+01	-.4153E+01	-.2375E+02	.6582E+02	-.6505E+03	.3715E+02	.1878E+01	-.4153E+01	-.2375E+02	.6582E+02	-.6505E+03	.3715E+02
.645E+01	.2633E+01	.1022E+02	-.6848E+01	.2019E+03	-.3712E+02	.645E+01	.2633E+01	.1022E+02	-.6848E+01	.2019E+03	-.3712E+02
.502E+01	.4580E+01	-.3945E+02	.3672E+03	-.1234E+04	-.2828E+03	.502E+01	.4580E+01	-.3945E+02	.3672E+03	-.1234E+04	-.2828E+03
.4339E+01	.9879E+01	-.1505E+02	.2963E+03	-.5507E+03	-.3854E+03	.4339E+01	.9879E+01	-.1505E+02	.2963E+03	-.5507E+03	-.3854E+03
.1232E+01	.2778E+01	-.2840E+01	.7304E+02	-.1143E+03	-.1033E+03	.1232E+01	.2778E+01	-.2840E+01	.7304E+02	-.1143E+03	-.1033E+03
.8124E+01	.2910E+02	-.5329E+01	.5770E+03	-.3788E+03	-.9960E+03	.8124E+01	.2910E+02	-.5329E+01	.5770E+03	-.3788E+03	-.9960E+03
.2765E+00	.3329E-01	.3721E+00	-.1996E+01	.5418E+01	.1072E+01	.2765E+00	.3329E-01	.3721E+00	-.1996E+01	.5418E+01	.1072E+01
-.3749E+01	.4194E+01	-.2468E+01	.9730E+02	-.1010E+02	-.1631E+03	-.3749E+01	.4194E+01	-.2468E+01	.9730E+02	-.1010E+02	-.1631E+03
.1720E+02	-.1227E+02	.1611E+02	-.3503E+03	.7301E+03	.5331E+03	.1720E+02	-.1227E+02	.1611E+02	-.3503E+03	.7301E+03	.5331E+03
-.1228E+02	-.6300E+00	-.1231E+02	.7747E+02	-.1265E+03	-.5840E+02	-.1228E+02	-.6300E+00	-.1231E+02	.7747E+02	-.1265E+03	-.5840E+02
-.2701E+02	-.6312E+00	-.3220E+02	.2046E+03	-.4355E+03	-.1759E+03	-.2701E+02	-.6312E+00	-.3220E+02	.2046E+03	-.4355E+03	-.1759E+03
-.5092E+02	-.1590E+02	-.6378E+02	.1713E+03	-.8685E+03	.1986E+03	-.5092E+02	-.1590E+02	-.6378E+02	.1713E+03	-.8685E+03	.1986E+03
.4197E+01	.3555E+00	.4337E+01	-.2453E+02	.0830E+02	.1398E+02	.4197E+01	.3555E+00	.4337E+01	-.2453E+02	.0830E+02	.1398E+02
-.7313E+00	-.5691E+00	-.1045E+01	-.2361E+01	-.1566E+02	.1412E+02	-.7313E+00	-.5691E+00	-.1045E+01	-.2361E+01	-.1566E+02	.1412E+02

SQUARE ROOT SUM OF THE SQUARES

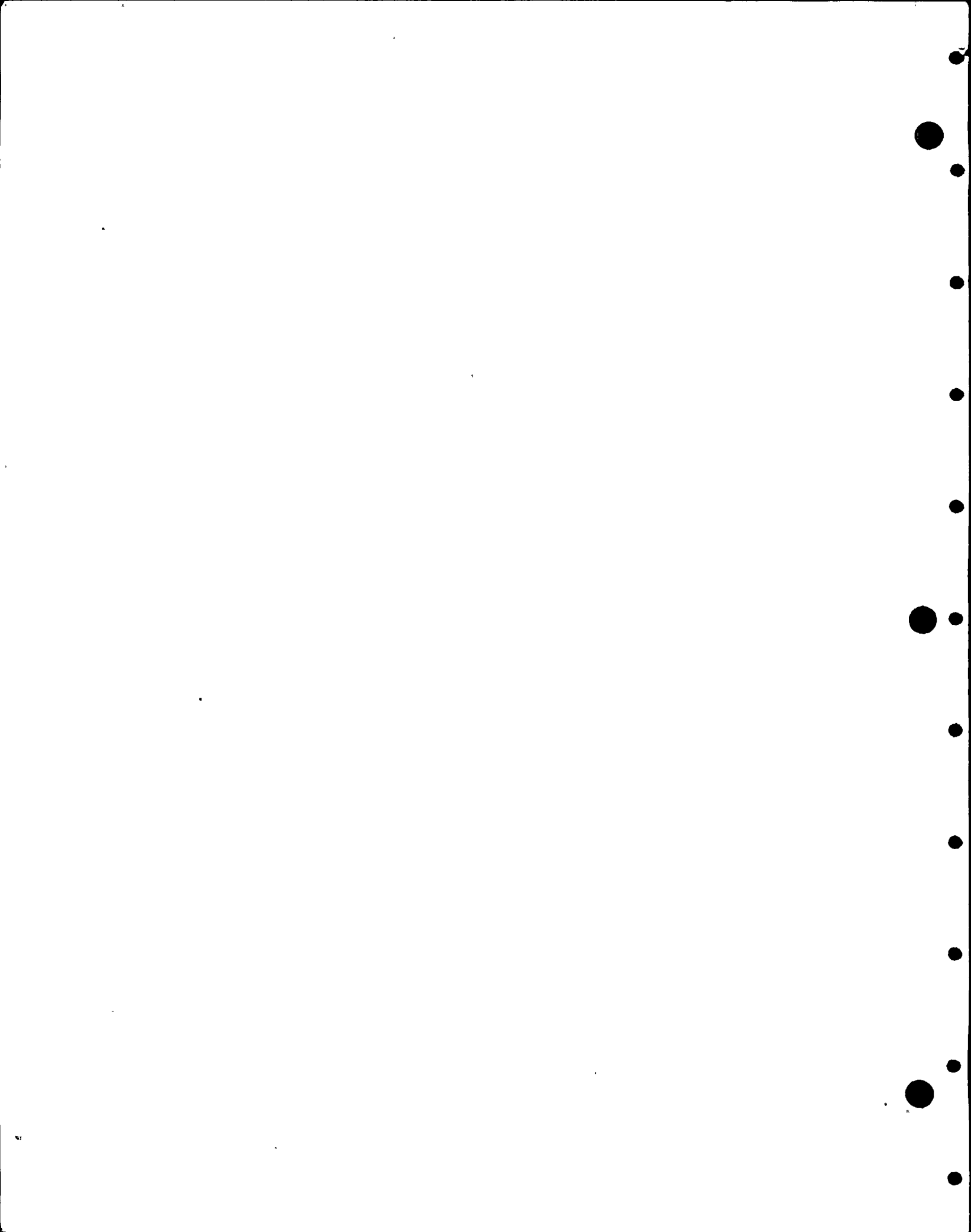
.2599E+03	.4836E+03	.8870E+03	.4560E+05	.3205E+05	.2263E+05	.2599E+03	.4836E+03	.8870E+03	.4560E+05	.3206E+05	.2263E+05
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CLOSELY SPACED PCOE SUMMATION METHOD

.2813E+03	.5108E+03	.9079E+03	.4644E+05	.3256E+05	.2386E+05	.2813E+03	.5108E+03	.9079E+03	.4644E+05	.3257E+05	.2386E+05
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R. N. S. T I P E L C G  
CGMPUTE MAXIMUM NCOAL DISPLACEMENTS = .08  
CUTPUT MAXIMLM NCOAL DISPLACEMENTS = .91  
COMPUTE ELEMENT STRESSES = 1.73  
TOTAL FOR SPECTRUM ANALYSIS = 2.72



# OVERALL TIME LCG

NODAL POINT INPUT	=	0.00
ELEMENT STIFFNESS FORMATION	=	0.00
NODAL LOAD INPUT	=	0.00
TOTAL STIFFNESS FORMATION	=	0.00
STATIC ANALYSIS	=	0.00
EIGENVALUE EXTRACTION	=	0.00
FORCED RESPONSE ANALYSIS	=	0.00
RESPONSE SPECTRUM ANALYSIS	=	2.76
STEP-BY-STEP INTEGRATION	=	0.00
TOTAL SOLUTION TIME	=	2.76

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