

# PIPING BENCHMARK PROBLEMS DYNAMIC ANALYSIS INDEPENDENT SUPPORT MOTION RESPONSE SPECTRUM METHOD

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STRUCTURAL ANALYSIS DIVISION  
DEPARTMENT OF NUCLEAR ENERGY, BROOKHAVEN NATIONAL LABORATORY  
UPTON, LONG ISLAND, NEW YORK 11973



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**\*Staff, U.S. Nuclear Regulatory Commission**

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## ABSTRACT

Four benchmark problems and solutions were developed for verifying the adequacy of computer programs used for the dynamic analysis and design of elastic piping systems by the independent support motion, response spectrum method. The dynamic loading is represented by distinct sets of support excitation spectra assumed to be induced by non-uniform excitation in three spatial directions. Complete input descriptions for each problem are provided and the solutions include predicted natural frequencies, participation factors, nodal displacements and element forces for independent support excitation and also for uniform envelope spectrum excitation. Solutions to the associated anchor point pseudo-static displacements are not included.

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## Executive Summary

The U.S. Nuclear Regulatory Commission (US NRC) Piping Review Committee has recommended that the independent support motion (ISM) response spectrum method should be allowed as an option in calculating the response of multiply supported piping with independent inputs. This volume presents benchmark problems and solutions designed to assess the adequacy of computer programs used to determine the inertial component of response of linear elastic piping systems subjected to seismic induced, independent support excitations in three directions, evaluated using the ISM response spectrum method of analysis. Although seismic like inputs were used in the solutions developed, the problems can be used to benchmark computer programs using the ISM methodology for other loads involving independent inputs.

Four problems are presented; for each problem, solutions are included for 1) envelope spectrum excitation, 2) independent support excitation with SRSS combination between support group contributions and 3) independent support excitation with absolute combination between support group contributions. In all solutions, the combination over group contributions was performed first, followed by SRSS interspatial combination, followed by SRSS intermodal combination without the consideration of closely spaced frequencies. This is consistent with present NRC guidelines.

## 1.0 INTRODUCTION

This is the second volume of the Piping Benchmark Problems report series.[1] The benchmark problems and solutions are being developed to provide a means to verify the adequacy of computer programs used for the dynamic analysis and design of nuclear piping systems.

The U.S. Nuclear Regulatory Commission (US NRC) Piping Review Committee has recommended that the independent support motion (ISM) response spectrum method should be allowed as an option in calculating the response of multiply supported piping with independent inputs.[2] This volume presents benchmark problems and solutions designed to assess the adequacy of computer programs used to determine the inertial component of response of linear elastic piping systems subjected to seismic induced, independent support excitations in three directions, evaluated using the ISM response spectrum method of analysis.[3-10] Although seismic like inputs were used in the solutions developed, the problems can be used to benchmark computer programs using the ISM methodology for other loads involving independent inputs (SRV, hydrodynamic, etc.).

Four problems are presented; for each problem, solutions are included for 1) envelope spectrum excitation, 2) independent support excitation with SRSS combination between support group contributions and 3) independent support excitation with absolute combination between support group contributions. In all solutions, the combination over group contributions was performed first followed by SRSS interspatial combination followed by SRSS intermodal combination without the consideration of closely spaced frequencies. This is consistent with present NRC guidelines.

The complete evaluation of a piping system subjected to independent excitations requires not only the determination of the inertial component of response but also the determination of the response caused by the time varying relative displacements between supports, the pseudo-static component of response, followed by the combination between these two components to form the

total response. Since all time dependence is lost in a response spectrum evaluation no concise analytical procedure to combine between the support group contributions or between the inertial and pseudo-static contributions exist. In a separate study<sup>[11]</sup> alternate procedures to compute the inertial, pseudo-static and total response components were investigated. Based in part on those results the US NRC Piping Review Committee proposed the following rules for response combinations if ISM methods are used.

- a. For Inertial or Dynamic Components
  - (1) Group responses for each direction should be combined by the absolute sum method.
  - (2) Modal and directional responses should be combined by the SRSS method without considering closely spaced frequencies.
- b. For the Pseudostatic Components
  - (1) For each group, the maximum absolute response should be calculated for each input direction.
  - (2) These should then be combined by the absolute sum rule.
  - (3) Combination of the directional responses should be by the SRSS rule.
- c. For the Total Response

Dynamic and pseudostatic responses should be combined by the SRSS rule.

All solutions were developed using the finite element code PSAFE2.<sup>[12]</sup> The solution based on absolute combination between support group contributions conforms to the NRC requirements concerning the computation of the inertial component of response. The solution based on SRSS combination between groups is provided to allow complete verification of user methodology. The solution based on the envelope spectrum method is provided to facilitate the check of overall problem modeling. In all solutions a group is defined as all supports which exhibit the same motion. The computation of the pseudo-static component of response was not addressed as it is not unique to the ISM methodology.



## 2.0 BACKGROUND

The PSAFE2 program is a modified and extended version of the elastic analysis code EPIPE. It is a full feature, elastic piping analysis code based on the finite element method. In addition to the usual computational options, it has the capacity to perform both response spectrum and time history analyses of systems subjected to independent support excitations and stress evaluations in accordance with ASME, Section III, Class 2, 3 design criteria.

After implementation of the independent support motion algorithms into PSAFE2, the program was extensively tested and used to perform studies of interest.[13] Following this the program was used to develop benchmark solutions for a preliminary set of piping problems involving the ISM methodology. These problems were released to selected industry organizations for trial benchmarking efforts. In this process the solutions developed with PSAFE2 were compared to solutions developed with alternate programs and the ISM algorithms further verified. In concurrent efforts the program was used to simulate physical tests of piping systems.[14-16] These physical benchmark results were found to correlate well with the measured test results. Finally the program was used in the study of alternate procedures for the analysis of multiply supported piping systems. In that effort the response spectrum results developed with PSAFE2 were compared with numerous time history results developed by Lawrence Livermore Lab (LLNL) using the SMACS program. The results obtained met expectations and the verification of the ISM algorithms was substantiated.

## 2.1 Mathematical Background

The complete dynamic analysis of a typical piping system requires the consideration of the independent input at each support point. The governing equations of motion<sup>[13]</sup> for such an analysis are given as:

$$\begin{bmatrix} M_P & 0 \\ 0 & 0 \end{bmatrix} \begin{Bmatrix} \ddot{X} \\ \ddot{Z} \end{Bmatrix} + \begin{bmatrix} C_P & C_{PB} \\ C_{BP} & C_B \end{bmatrix} \begin{Bmatrix} \dot{X} \\ \dot{Z} \end{Bmatrix} + \begin{bmatrix} K_P & K_{PB} \\ K_{BP} & K_B \end{bmatrix} \begin{Bmatrix} X \\ Z \end{Bmatrix} = \begin{Bmatrix} 0 \\ F_B \end{Bmatrix} \quad (2.1)$$

where,

$M_P$	= Pipe mass matrix
$C_P$	= Pipe damping matrix
$K_P$	= Pipe stiffness matrix
$C_B$	= Support damping matrix
$K_B$	= Support stiffness matrix
$C_{PB}$ or $C_{BP}$	= Pipe-support coupling damping matrix
$K_{PB}$ or $K_{BP}$	= Pipe-support coupling stiffness matrix
$F_B$	= Support force vector
$X$	= Pipe response vector
$Z$	= Support response vector

The pipe response consists of two components, one due to the inertia or dynamic effects of pipe masses ( $X_D$ ) and the other, termed the pseudo-static response, due to the differential motions of the support point: ( $X_S$ ).

Hence,

$$X = X_D + X_S \quad (2.2)$$

where  $X_S$ , by definition, can be written as

$$X_S = K_P^{-1} K_{PB} Z \quad (2.3)$$

The details of these formulations are well explained in the literature. After simplifying Equation (2.1) and neglecting the support damping effects, one can find the following governing equations for the two response components. They are given as:

For inertia or dynamic response:

$$M_p \ddot{X}_D + C_p \dot{X}_D + K_p X_D = M_p K_p^{-1} K_{PB} \ddot{Z} \quad (2.4)$$

$$K_{BP} X_D = F_{BD}$$

For pseudo-static response:

$$K_p X_S + K_{PB} Z = 0 \quad (2.5)$$

$$K_{PB} X_S + K_B Z = F_{BS}$$

In each case, the upper equations govern the motion and the lower equations define the support reaction forces. Equations (2.4) are identical to the conventional structural dynamic equations except the modal participation factors derived from them differ from those derived for uniform support motion.

The inertia components of response are obtained by solving equations (2.4) using the modal solution approach. Thus, substituting

$$X_D = \Phi q \quad (2.6)$$

where  $\Phi$  = modal matrix

$q$  = modal response vector

one finds that the modal equations for the dynamic response reduce to

$$\ddot{q} + 2\xi\omega \dot{q} + \omega^2 q = \Phi^T M_p K_p^{-1} K_{PB} \ddot{Z} \quad (2.7)$$

In component form they can be rewritten as:

$$\ddot{q}_{ij}^{(k)} + 2\xi_i\omega_i\dot{q}_{ij}^{(k)} + \omega_i^2q_{ij}^{(k)} = L_{ij}^{(k)}\ddot{z}_j^{(k)} \quad (2.8)$$

where

$\xi_i$  = modal damping coefficient

$\omega_i$  = modal frequency

$i = 1, 2 \dots NF$

$j = 1, 2, 3$  (corresponding to the three spatial directions)

$k = 1, 2 \dots NG$

Here NF and NG correspond to the number of frequencies and number of support points, or support groups, in the piping system. Thus, there exists one individual set of modal equations for each support group.

The modified modal participation factors are given as:

$$L = \Phi^T M_p K_p^{-1} K_p B \quad (2.9)$$

To determine the modified modal participation factors in Equation (2.9) it is necessary to invert the stiffness matrix  $K_p$ . One approach to obtain this from the available modal solutions is to use the properties of the stiffness matrix with the modal frequencies and their mode shapes. That is using the relations,

$$\Phi^T K_p \Phi = \omega^2 \quad (2.10)$$

and taking the inverse on both sides one derives

$$K_p^{-1} = \Phi (\omega^2)^{-1} \Phi^T \quad (2.11)$$

provided  $\phi^{-1}$  exists. The modal participation factors given by Equation (2.9) then reduce to

$$L_{ij}^{(k)} = \sum_{s=1}^N \frac{\phi_{is} (K_{PB})_{sj}^{(k)}}{\omega_i^2} \quad (2.12)$$

where  $N$  = number of equations representing the piping model. Equation (2.12) can be used to evaluate the participation factors, without any loss of generality, from the modal solutions, even if the actual modal solution has been truncated to a finite number of modes.

The response spectra values at frequency  $\omega_i$ , for the  $k$ th group, in the  $j$ th direction of excitation, are obtained by solving the equation for a single degree of freedom system subjected to an acceleration of  $Z_j(K)$ , using the Duhamel integral, and is given by

$$S_j^{(k)}(\omega_i) = \left| \frac{1}{\omega_i \sqrt{1 - \xi_i^2}} \int_0^t \ddot{Z}_j^{(k)}(\tau) e^{-\xi_i \omega_i (t-\tau)} \sin \sqrt{1 - \xi_i^2} \omega_i (t-\tau) d\tau \right|_{\max} \quad (2.13)$$

This represents the peak modal response of Equation (2.8) provided the modal participation factor  $L_{ij}^{(k)}$  is assumed to be unity. Since this factor is not time dependent, the actual solution to Equation (2.8) can be obtained by multiplying  $L_{ij}^{(k)}$  with the corresponding response spectrum value. Hence,

$$(q_{ij}^{(k)})_{\max} = L_{ij}^{(k)} S_j^{(k)}(\omega_i) \quad (2.14)$$

Having obtained all the modal maximum values  $(q_{ij})_{\max}$ , the maximum inertial response of all piping degrees of freedom (i.e.,  $X_d$ ) are obtained by calculating the modal responses for all modes and then combining them using the SRSS method. Other relevant quantities such as forces, moments and stresses are also evaluated for each mode due to each excitation direction of each support point (or group) in a similar manner. Each of these quantities represents the maximum value which can be obtained at any time during the response time span of the system.

The group contributions are combined first before any modal or directional combinations. The two methods of combination included in PSAFE2 are the absolute and the SRSS methods. Once the group responses are combined by one of the above methods, the other combinations are carried out as per the options included in the PSAFE2 manual.

It should be noted that the time phase among the various support groups, excitation directions and modal responses are lost during the solution process. It therefore becomes necessary to make assumptions about the time phase and group relationships in order to select the proper combination procedure. Also, as mentioned earlier, the pseudo-static component of the total response cannot be obtained unless the ground displacement is known at each time point. With the spectrum method this is impossible. However, it may be possible to calculate the maximum static responses if the user defines the maximum support point displacement distribution.



## 2.2 Input-Output Format

To facilitate proper use of the enclosed data a brief summary of the PSAFE2 input-output data lists will be presented. These are nearly identical to those presented in Volume 1 of this report series for the EPIPE code.

The first page of each problem shows a table indicating the number of nodal points, element types, static and dynamic load cases, frequencies, etc., followed by a listing of the nodal point coordinates. Reference to the analysis code option will indicate if the given analysis is a envelope spectrum run "3" or an independent support excitation run "6". The number of frequencies is the number of frequencies solved for in the eigenvalue routine and used in the subsequent response spectrum analysis. In the nodal point list, all dimensions are in inches and the boundary condition code "1" signifies that the degree-of-freedom is completely restrained while "0" (or "-0") signifies complete freedom. As indicated, each node potentially has six degrees-of-freedom, "X" signifying displacement in the X global direction, "XX" signifying rotation about the X global axis. Lastly, the column designated T is the nodal temperature.

The next blocks of input information are the input element data lists. Since the system may be subdivided into groups of elements this data is entered group by group. Only two types of elements exist, boundary or spring elements and pipe (either tangent or bend) elements. A single group is comprised of all pipe elements or all spring elements as intermixing element types within a group is not allowed.

For a typical pipe element group, the first page lists control information for the group, i.e., type of element, number of elements, etc. This is followed by a material properties table where on each line of this table are specified; the material identification number, the temperature for which the data applies and the corresponding modulus of elasticity, Poisson ratio and coefficient of thermal expansion. For cases where the variation of material properties with temperature are considered, the element temperature is the



average of its bounding nodal temperatures and a linear variation from the input material properties data with temperature is assumed. Following this is the section properties table where all data entries are clearly labeled. Next are listed entires entitled "Load Case Multipliers". These only apply to static analysis runs and may be ignored. The last and largest list in the group data is the element definition and connectivity table. Again the columns in this table are clearly labeled. For the bend elements, two lines are shown. The pressure indicated on the first line is the value of pressure used in the computation of the bend flexibility. The entries on the second line are the bend radius, third point declarer and the X, Y and Z coordinates of the third point. If the third point declarer is "TI" the coordinates of the bend tangent intercept are listed, if "CC" the coordinates of the bend center of curvature are listed. The columns entitled direction cosines, wall fraction and input tag may be ignored.

The group data list for boundary or spring elements is somewhat simpler. There is the element control information followed by element load case multipliers which again may be ignored. The element definition and connectivity list follows and is clearly labeled. The interpretation of the pertinent information in this table is as follows: the spring spans between the piping system node N and the fixed ground node NI; support group number NG designates the excitation group to which the spring belongs; code KD and KR are spring type declarers where KD=1 signifies a linear spring while KR=1 signifies a torsional spring and the last column lists the appropriate spring rates. All other information in this table may be ignored.

The next table of input is labeled nodal loads. For the dynamic cases the table is a listing of all the concentrated masses, and the nodes at which they are located, acting on the system. A complete absence of this table indicates that there are no concentrated loads. The total mass used in each analysis is the sum of these quantities plus any distributed mass developed in the pipe elements. Distributed mass is developed in the pipe elements only if quantities appear in the columns entitled weight/unit length - mass/unit length in the pipe element section property tables.

The remaining input data describes the forcing function input spectra. The data includes the direction weighting factors, a descriptive title and a table of the spectrum values given in "g's". If only one spectrum is provided it applies to all three directions as modified by the weighting factors. If two spectra are provided, the first applied only to the X direction while the second applies to the Y and Z directions. Intermediate values between data points are obtained by linear interpolation.

The output includes listings of the system natural frequencies, modal participation factors, the global displacements/rotations of all nodal point and element force outputs (labeled stresses) presented by element group. For the independent support motion cases, the modal participation factor data for each excitation group is presented followed by the displacements and element forces that results after either SRSS or absolute combination between the excitation groups contributions. The element force outputs are referred to local element coordinate systems, not the global system. Figure 1 shows the sign convention and coordinate interpretation of these element forces.

### 3.0 DESCRIPTION OF PIPING BENCHMARK PROBLEMS

Four problems were developed to serve as benchmark problems for the independent support motion response spectrum method of analysis. These include a simple two anchor problem, a simple three branch problem and two large problems simulating piping from actual nuclear power plants. For each problem a schematic of the system, a complete listing of the input data and a listing of the pertinent results for response spectrum computations, are provided in section 4.

The computation options used for each problem were identical. In each case results are provided for the envelope spectrum calculation, the independent support motion calculation using SRSS combination between the support groups, and the independent support motion calculation using absolute combination between the support groups. For all computations interspatial combination was performed first followed by intermodal combination without the consideration of closely spaced frequencies. Since clustering between closely spaced frequencies is not considered, this sequence is unimportant. For the independent support motion computations the summation between group contributions was performed before either interspatial or intermodal combinations.

A full listing of the output results is not provided. In particular the predicted mode shape information for each problem as well as the results from individual support group excitations have been deleted from the results. The inclusion of this data would have resulted in a five-fold increase in the size of this report. The data provided includes the natural frequency results, the predicted modal participation factors for the envelope spectrum and for each individual excitation spectra set, and the final displacement and force resultants. For problems 3 and 4 only a partial listing of the pipe element force table is provided.

The input data - output results are provided in the following format to reduce repetition. A single listing of the input data applicable to all three

solutions is presented first. This is followed by a listing of the computed system natural frequencies which apply to all three solutions. Next under the subheading a (1a, 2a, etc.) are provided the input data and output results unique to the envelope spectrum calculations. Then under subheading b are provided all the input data and output results unique to the independent support excitation calculations as well as the final displacement and force outputs for the SRSS group combination procedure. Finally, under subheading c, are provided only the final displacement and force outputs for the absolute group combination procedure. This data is sufficient to allow analysis method verification with the envelope spectrum results being supplied to permit a check of overall problem modeling. A brief description of each problem follows.

### 3.1 Benchmark Problem 1

The first benchmark problem simulates a 3 1/2 inch diameter water line extending between two elevations. It is a simple configuration joining two anchors and having numerous intermediate supports. It was modeled with 35 pipe elements and 17 boundary or spring elements, the rotations at the anchors being taken as zero. The excitation consisted of two single spectra corresponding to the two elevations. All supports connected to nodes 1-13 inclusive experience the upper level spectra excitation while the remaining supports experience the lower level spectra excitation.

For each solution a fifteen frequency approximation was used with the appropriate spectra and spectrum weighting factors of 1.0, 0.667 and 0.0 in the X, Y and Z global directions respectively. The solution for the envelope spectrum is designated 1a, for the SRSS group combinations 1b and for the absolute group combination 1c.

### 3.2 Benchmark Problem 2

The second benchmark problem is a three branch configuration originally used as a benchmark for the uniform support motion analysis method. It was modeled with 20 pipe elements and 14 support elements. The support elements

were divided into four groups corresponding to four distinct input excitation spectra sets. Group one consists only of the supports at nodal point 1, group two the supports at nodes 7, 9, 11, 13 and 15, group three only the supports at node 17 and group four only the supports at node 21. These excitation spectra correspond to actual spectra developed for a real reactor structure and show variations with elevation and extent.

For each solution a twenty-five frequency approximation was used with the appropriate spectra and unity spectrum weighting factors. The solutions are designated 2a, 2b and 2c corresponding to the envelope, SRSS group combination and the absolute group combination solutions respectively.

### 3.3 Benchmark Problem 3

The third benchmark problem is a two anchor configuration simulating safety injection piping of a nuclear power plant. It is comprised of 12 inch diameter SCH 40 stainless steel pipe extending between two elevations. It was modeled with 58 pipe elements and 28 support elements, either spring or snubber (note a snubber has the element identifier number 4 and exhibits the characteristic of a spring element in these analyses). The input excitation consists of four spectra sets with the vertical component of excitation varying from set to set while the horizontal components of excitation are identical for all sets. Nodes 5, 14A, 20, 29, 29A, 32 and 59 are in the first support group, nodes 13, 14, 18, 451 (VERT) are in the second support group, nodes 8, 23, 37 and 41 (HOR) are in the third support group while nodes 1 and 55 form the last support group.

For the solutions a 15 natural frequency approximation was used with the designated spectra and unity spectrum weighting factors. The solutions are designated 3a, 3b and 3c corresponding to the envelope, group SRSS and group absolute solutions respectively.

### 3.4 Benchmark Problem 4

The last benchmark problem is the largest of the set. It is a three branch, three anchor piping subsystem from an actual nuclear power plant. It contains the numerous section changes and complex geometry associated with real systems. It was modeled with 162 pipe elements and 36 boundary elements. The input excitation consisted of the four distinct excitation spectra sets developed for the actual system and show variations for elevation and extent. The boundary or spring elements range in stiffness from relatively soft to virtually rigid, again in agreement with the true system. This problem represents a benchmark having the size and diversity to fully exercise proposed analysis methods.

For the solutions a fifty natural frequency approximation was used with the designated spectra and unity spectrum weighting factors. The solutions are designated 4a, 4b and 4c again corresponding to the envelope, group SRSS and the group absolute solutions respectively.



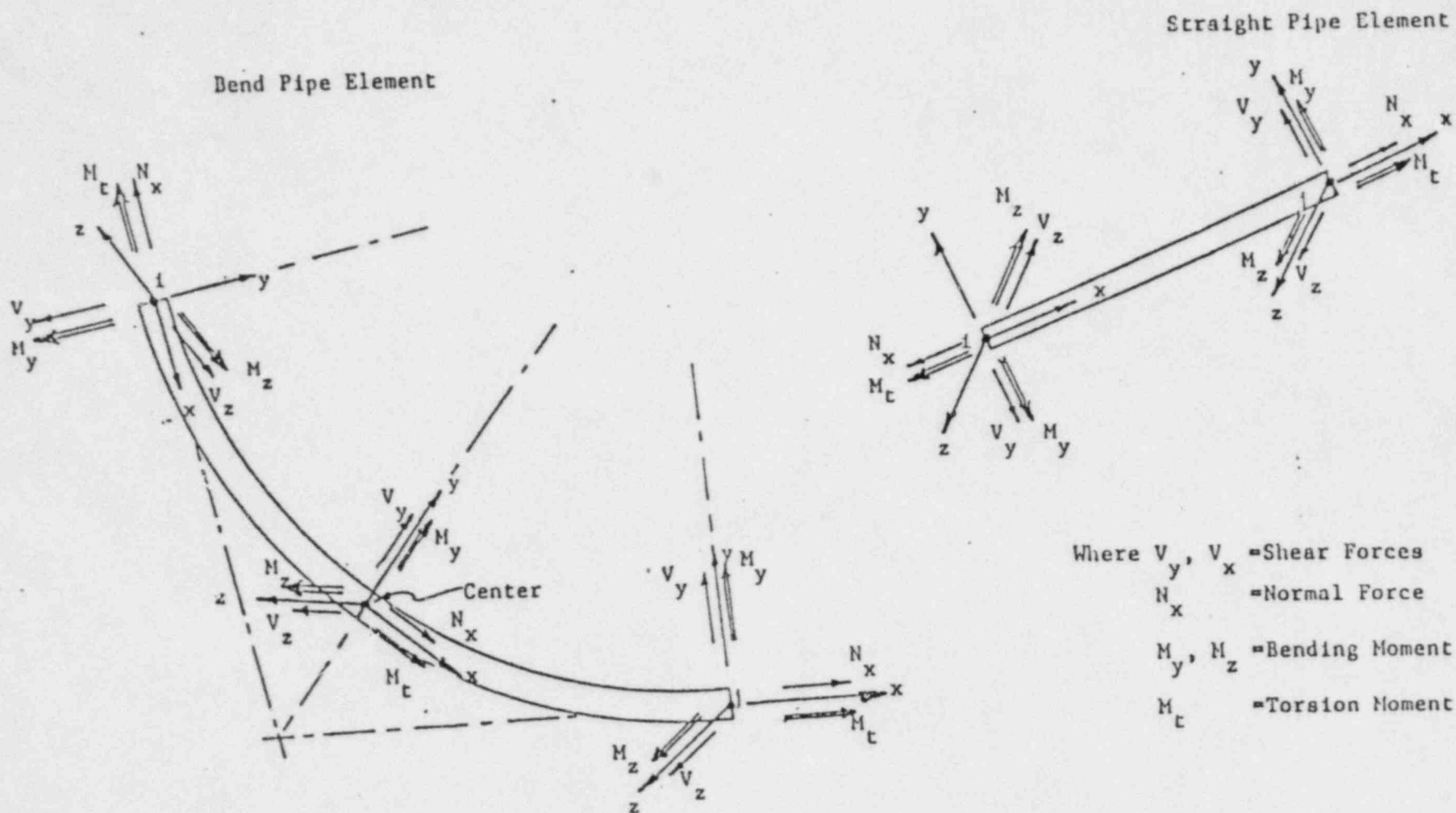
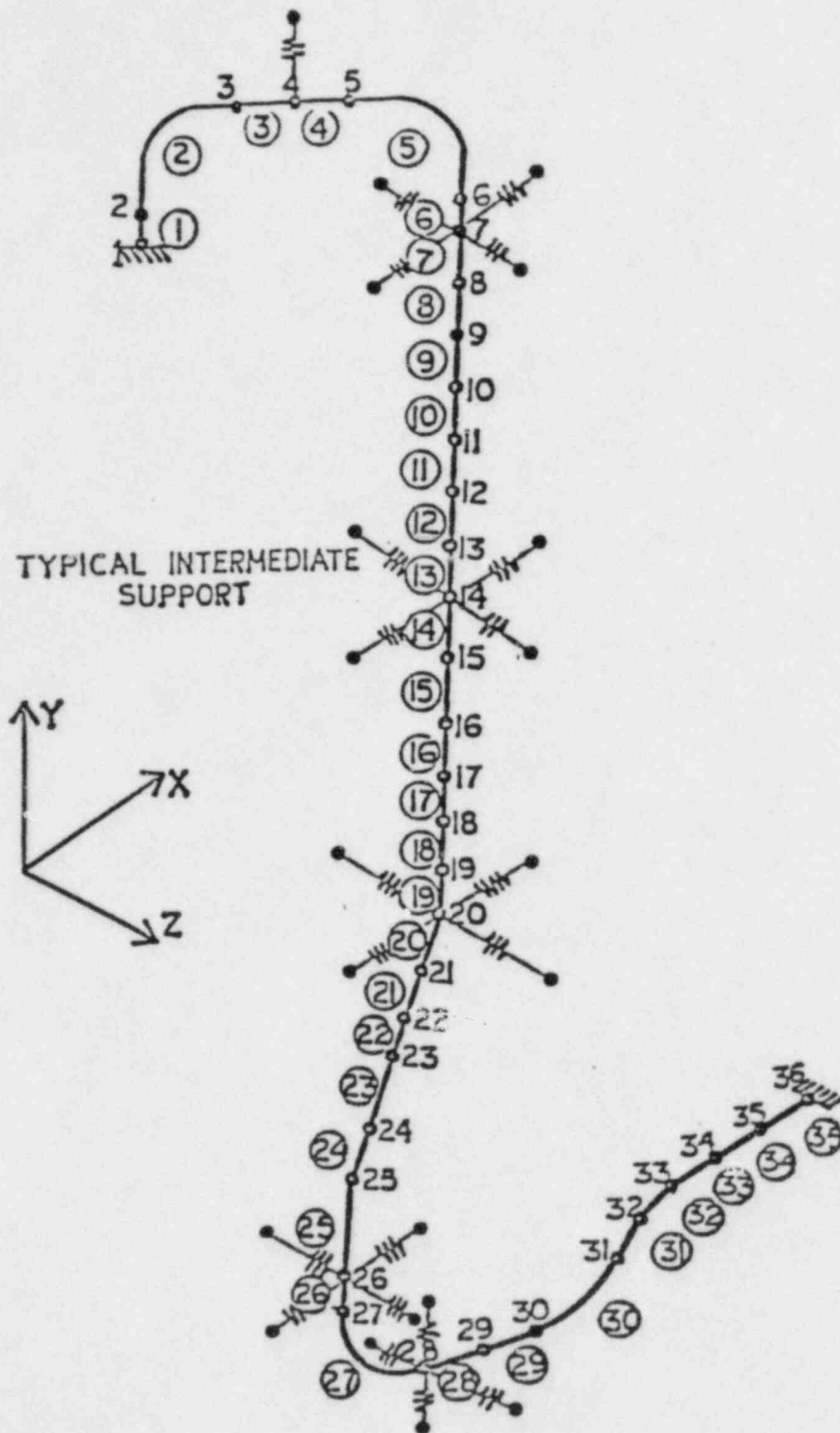


Fig. 1

Sign Convention for Forces and Moments



4.0 PIPING BENCHMARK PROBLEMS  
AND SOLUTIONS



BENCHMARK PROBLEM № 1

Problem 1

# INDEPENDENT SUPPORT MOTION BENCHMARK PROBLEM 1

## CONTROL INFORMATION

NUMBER OF NODAL POINTS = 53  
 NUMBER OF ELEMENT TYPES = 2  
 NUMBER OF STATIC LOAD CASES = 0  
 NUMBER OF DYNAMIC LOAD CASES = 4  
 SEISMIC ANCHOR MOVEMENT CASES = 0  
 EQ.0 NO  
 EQ.1 SINGLE ANALYSIS  
 EQ.3 EACH DIRECTION  
 ANALYSED SEPARATELY  
 NUMBER OF FREQUENCIES = 15  
 SOLUTION MODE (MODEX) = 0  
 EQ.0, EXECUTION  
 EQ.1, DATA CHECK  
 STRESS CALCULATION FLAG = 0  
 EQ.0 NO  
 EQ.1 YES  
 ASME CODE EVALUATION FLAG = 0  
 EQ.1 CLASS 1 PIPING  
 EQ.2 CLASS2 OR CLASS 3 PIPING  
 ACCELERATION GRAVITY = 386.

## ANALYSIS CODE INFORMATION

EQ.0, STATIC  
 EQ.1, ANCHOR MOVEMENTS  
 EQ.2, FORCED RESPONSE  
 EQ.3, RESPONSE SPECTRUM  
 EQ.4, DIRECT INTEGRATION  
 EQ.5, MULTIPLE TIME HISTORY  
 EQ.6, MULTIPLE SPECTRUM  
 CASE CODE

1	6
2	6
3	3
4	3

## NODAL POINT INPUT DATA

NODE NUMBER	BOUNDARY CONDITION CODES						NODAL POINT COORDINATES				T
	X	Y	Z	XX	YY	ZZ	X	Y	Z		
1	0	0	0	1	1	1	0.000	0.000	0.000	0	0.000
2	0	0	0	0	0	0	0.000	12.000	0.000	0	0.000
3	0	0	0	0	0	0	35.687	60.000	32.110	0	0.000
4	0	0	0	0	0	0	55.000	60.000	49.500	0	0.000
5	0	0	0	0	0	0	74.329	60.000	66.882	0	0.000
6	0	0	0	0	0	0	110.000	12.000	99.000	0	0.000
7	0	0	0	0	0	0	110.000	0.000	99.000	0	0.000
8	0	0	0	0	0	0	110.000	-24.000	99.000	0	0.000
9	0	0	0	0	0	0	110.000	-48.000	99.000	0	0.000
10	0	0	0	0	0	0	110.000	-72.000	99.000	0	0.000



# SPRING ELEMENTS

ELEMENT TYPE = 1  
NUMBER OF ELEMENTS = 17

## ELEMENT LOAD CASE MULTIPLIERS

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

ELEMENT NUMBER	NODE (N)	NODE DEFINING DIRECTION(NI)	SUPPORT GROUP (NG)	CODE KD	CODE KR	GENERATION CODE (KN)	SPECIFIED DISPLACEMENT	SPECIFIED ROTATION	SPRING RATE
1	1	37	1	1	0	0	0.	0.	.2000E+08
2	1	38	1	1	0	0	0.	0.	.2000E+08
3	1	39	1	1	0	0	0.	0.	.2000E+08
4	4	40	1	1	0	0	0.	0.	.2000E+08
5	7	41	1	1	0	0	0.	0.	.2000E+08
6	7	42	1	1	0	0	0.	0.	.2000E+08
7	14	43	2	1	0	0	0.	0.	.2000E+08
8	14	44	2	1	0	0	0.	0.	.2000E+05
9	20	45	2	1	0	0	0.	0.	.2000E+05
10	20	46	2	1	0	0	0.	0.	.2000E+05
11	26	47	2	1	0	0	0.	0.	.2000E+05
12	26	48	2	1	0	0	0.	0.	.2000E+08
13	28	49	2	1	0	0	0.	0.	.2000E+08
14	28	50	2	1	0	0	0.	0.	.2000E+08
15	36	51	2	1	0	0	0.	0.	.2000E+08
16	36	52	2	1	0	0	0.	0.	.2000E+08
17	36	53	2	1	0	0	0.	0.	.2000E+08

# PIPE ELEMENT INPUT DATA

## CONTROL INFORMATION

NUMBER OF PIPE ELEMENTS = 35  
 NUMBER OF MATERIAL SETS = 2  
 MAXIMUM NUMBER OF MATERIAL  
 TEMPERATURE INPUT POINTS = 1  
 NUMBER OF SECTION PROPERTY SETS = 2  
 NUMBER OF BRANCH POINT NODES = 0  
 MAXIMUM NUMBER OF TANGENTS  
 COMMON TO A BRANCH POINT = 3  
 FLAG FOR NEGLECTING AXIAL  
 DEFORMATIONS IN BEND ELEMENTS = 0  
 (EQ.1, NEGLECT)

## MATERIAL PROPERTY TABLES

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

POINT NUMBER	TEMPERATURE	YOUNG'S MODULUS	POISSON'S RATIO	THERMAL EXPANSION
1	60.00	.258E+08	.300	0.

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

POINT NUMBER	TEMPERATURE	YOUNG'S MODULUS	POISSON'S RATIO	THERMAL EXPANSION
1	60.00	.100E+01	.300	0.



SECTION PROPERTY TABLE						
SECTION NUMBER	OUTSIDE DIAMETER	WALL THICKNESS	SHAPE FACTOR FOR SHEAR	WEIGHT/ UNIT LENGTH	MASS/ UNIT LENGTH	DESCRIPTION
1	3.500	.2160	0.0000	.8980E+00	.2324E-02	
2	3.500	.2160	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)	E N D S END-I (X3- ORDINATE)	C O D E END-J (Y3- ORDINATE)	(Z3- ORDINATE)	INCREMENT (WALL FRACTION)	INPUT TAG
1	TANGENT	1	2	1	1	0.00	0.00	0	0		1	11
2	BEND	2	3	1	1	0.00	0.00	0	0			11
						( 48.000)	(T1)	( 0.000)	( 60.000)	( 0.000)	( .1000)	IC
3	TANGENT	3	4	1	1	0.00	0.00	0	0		1	11
4	TANGENT	4	5	1	1	0.00	0.00	0	0		1	11
5	BEND	5	6	1	1	0.00	0.00	0	0			11
						( 48.000)	(T1)	( 110.000)	( 60.000)	( 99.000)	( .1000)	IC
6	TANGENT	6	7	1	1	0.00	0.00	0	0		1	11
7	TANGENT	7	8	1	1	0.00	0.00	0	0		0	
8	TANGENT	8	9	1	1	0.00	0.00	0	0		0	
9	TANGENT	9	10	1	1	0.00	0.00	0	0		0	
10	TANGENT	10	11	1	1	0.00	0.00	0	0		0	
11	TANGENT	11	12	1	1	0.00	0.00	0	0		0	
12	TANGENT	12	13	1	1	0.00	0.00	0	0		0	
13	TANGENT	13	14	1	1	0.00	0.00	0	0		0	
14	TANGENT	14	15	1	1	0.00	0.00	0	0		0	
15	TANGENT	15	16	1	1	0.00	0.00	0	0		0	
16	TANGENT	16	17	1	1	0.00	0.00	0	0		0	
17	TANGENT	17	18	1	1	0.00	0.00	0	0		0	
18	TANGENT	18	19	1	1	0.00	0.00	0	0		0	
19	TANGENT	19	20	1	1	0.00	0.00	0	0		0	
20	TANGENT	20	21	1	1	0.00	0.00	0	0		0	
21	TANGENT	21	22	1	1	0.00	0.00	0	0		0	
22	TANGENT	22	23	1	1	0.00	0.00	0	0		0	
23	TANGENT	23	24	1	1	0.00	0.00	0	0		0	
24	TANGENT	24	25	1	1	0.00	0.00	0	0		0	
25	TANGENT	25	26	1	1	0.00	0.00	0	0		0	
26	TANGENT	26	27	1	1	0.00	0.00	0	0		0	
27	BEND	27	28	1	1	0.00	0.00	0	0		1	11
						( 48.000)	(T1)	( 58.000)	( -535.000)	( 99.000)	( .1000)	IC
28	TANGENT	28	29	1	1	0.00	0.00	0	0		1	11
29	TANGENT	29	30	1	1	0.00	0.00	0	0		1	11
30	BEND	30	31	1	1	0.00	0.00	0	0			11
						( 48.000)	(T1)	( 166.000)	( -535.000)	( 135.000)	( .1000)	IC
31	TANGENT	31	32	1	1	0.00	0.00	0	0		1	11
32	TANGENT	32	33	1	1	0.00	0.00	0	0		1	11
33	BEND	33	34	1	1	0.00	0.00	0	0			11
						( 48.000)	(T1)	( 266.000)	( -535.000)	( 75.000)	( .1000)	IC
34	TANGENT	34	35	1	1	0.00	0.00	0	0		1	11
35	TANGENT	35	36	1	1	0.00	0.00	0	0		1	11

PRINT OF FREQUENCIES

MODE NUMBER	CIRCULAR FREQUENCY (RAD/SEC)	FREQUENCY (CYCLES/SEC)	PERIOD (SEC)
1	.3796E+02	.6042E+01	.1655E+00
2	.3931E+02	.6256E+01	.1599E+00
3	.4875E+02	.7760E+01	.1289E+00
4	.5619E+02	.8943E+01	.1118E+00
5	.7819E+02	.1244E+02	.8036E-01
6	.8061E+02	.1283E+02	.7794E-01
7	.8987E+02	.1430E+02	.6991E-01
8	.9730E+02	.1549E+02	.6457E-01
9	.1029E+03	.1637E+02	.6108E-01
10	.1165E+03	.1854E+02	.5393E-01
11	.1225E+03	.1950E+02	.5128E-01
12	.1460E+03	.2324E+02	.4302E-01
13	.1515E+03	.2410E+02	.4149E-01
14	.2051E+03	.3264E+02	.3064E-01
15	.2126E+03	.3384E+02	.2955E-01

Problem 1a  
Envelope Spectra Solution

CASE 1  
\*\*\*\*\*

DIRECTION FACTORS

X = 1.0000 Y = .6667 Z = 0.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION IN IN./SEC.2  
EQ.2 ACCELERATION IN GS

1 SPECTRA ARE ENTERED FOR CASE 1. KIND= 2

CLUSTER FACTOR, CF = .00010

# NODAL PARTICIPATION FACTORS

NODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	6.042	.4283E-01	.9760E-01	.5177E+00
2	6.256	.6857E-01	.1113E+00	-.5135E+00
3	7.760	-.2631E+00	.1818E-01	.3080E+00
4	8.943	-.2028E+00	.1199E+01	-.7981E-01
5	12.444	-.1882E+00	.1068E+00	.2130E+00
6	12.830	-.6266E-01	.3679E-01	.1011E+00
7	14.303	.2437E+00	.1129E-01	-.1370E+00
8	15.486	.3167E-01	.4315E-01	.3144E-01
9	16.371	.5782E-01	.2626E+00	-.1426E+00
10	18.543	.1685E+00	-.3077E-01	-.7825E+00
11	19.499	.4951E+00	-.2779E+00	-.7826E-01
12	23.243	-.5042E-01	-.2395E+00	.3932E+00
13	24.105	-.9333E+00	-.3012E+00	-.3594E+00
14	32.636	-.1049E+00	-.1248E-02	.1189E+00
15	33.837	.9566E-01	-.2475E+00	.1317E+00

## SPECTRUM TABLE ( ENVELOPE SPECTRUM )

NUMBER OF POINTS = 10  
SCALE FACTOR = .38640E+03

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.2900E-01	.8750E+00
2	.3400E-01	.1000E+01
3	.4300E-01	.1000E+01
4	.4800E-01	.8000E+00
5	.5900E-01	.9250E+00
6	.7400E-01	.9250E+00
7	.8100E-01	.8000E+00
8	.1250E+00	.1000E+01
9	.2000E+00	.2275E+01
10	.4000E+00	.2275E+01

NODE NUMBER	MODE NUMBER	D I S P L A C E M E N T S / R O T A T I O N S			A C C E L E R A T I O N S I N G ' S		
		X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
1	TOTAL..	4.65962E-06	5.32995E-06	4.42526E-06	0.	0.	0.
2	TOTAL..	2.17293E-03	2.75788E-05	2.24800E-03	3.35599E-04	1.86558E-04	3.21172E-04
3	TOTAL..	4.70543E-02	8.32153E-03	5.24299E-02	8.42747E-04	6.21800E-04	7.78186E-04
4	TOTAL..	5.53669E-02	1.17223E-05	6.17353E-02	1.03354E-03	3.77703E-04	9.51494E-04
5	TOTAL..	5.86080E-02	2.82073E-02	6.52561E-02	1.32346E-03	1.88004E-04	1.27548E-03
6	TOTAL..	1.01255E-02	6.57857E-02	1.06464E-02	9.30983E-04	4.33668E-04	8.76805E-04
7	TOTAL..	5.01016E-06	6.58065E-02	4.18865E-06	8.24615E-04	4.27986E-04	7.92638E-04
8	TOTAL..	1.64587E-02	6.58444E-02	1.65557E-02	5.66212E-04	4.17699E-04	5.92746E-04
9	TOTAL..	2.77133E-02	6.58774E-02	2.68991E-02	3.32124E-04	4.08939E-04	3.83801E-04
10	TOTAL..	3.28328E-02	6.59055E-02	3.10926E-02	1.38543E-04	4.01805E-04	1.60513E-04
11	TOTAL..	3.11127E-02	6.59288E-02	2.92356E-02	2.17345E-04	3.96386E-04	2.35208E-04
12	TOTAL..	2.33815E-02	6.59471E-02	2.21398E-02	3.84458E-04	3.92753E-04	4.20477E-04
13	TOTAL..	1.23681E-02	6.59605E-02	1.17721E-02	4.59703E-04	3.90954E-04	4.72391E-04
14	TOTAL..	3.89264E-03	6.59690E-02	1.93072E-03	4.07668E-04	3.91016E-04	4.13829E-04
15	TOTAL..	1.46837E-02	6.59728E-02	1.02848E-02	2.89444E-04	3.93707E-04	4.16967E-04
16	TOTAL..	2.44908E-02	6.59689E-02	1.65812E-02	1.28669E-04	3.99242E-04	2.09808E-04
17	TOTAL..	2.57766E-02	6.59603E-02	1.74256E-02	6.38253E-05	4.05642E-04	1.27066E-04



18 TOTAL..	2.05473E-02	6.59468E-02	1.43020E-02	2.05015E-04	4.13709E-04	3.38056E-04
19 TOTAL..	1.14862E-02	6.59284E-02	8.08805E-03	3.00327E-04	4.23347E-04	4.01380E-04
20 TOTAL..	3.89006E-03	6.59051E-02	1.37958E-03	3.19660E-04	4.34452E-04	3.30680E-04
21 TOTAL..	1.07808E-02	6.41285E-02	1.03986E-02	2.82774E-04	4.12696E-04	4.28204E-04
22 TOTAL..	2.10112E-02	6.19712E-02	1.83865E-02	1.79244E-04	3.51924E-04	3.57739E-04
23 TOTAL..	2.65052E-02	6.00142E-02	2.18916E-02	1.06817E-04	2.76535E-04	1.75579E-04
24 TOTAL..	2.42837E-02	5.90830E-02	1.95612E-02	2.46748E-04	2.22472E-04	3.13789E-04
25 TOTAL..	1.45760E-02	6.06695E-02	1.14332E-02	1.11138E-04	2.17093E-04	5.41075E-04
26 TOTAL..	9.24505E-06	6.06163E-02	2.95757E-06	5.41911E-04	2.61288E-04	6.72902E-04
27 TOTAL..	8.70084E-03	6.05881E-02	6.78471E-03	5.67352E-04	2.95561E-04	7.95692E-04
28 TOTAL..	5.67947E-02	1.10283E-05	4.47137E-06	6.25136E-04	8.75259E-04	1.11562E-03
29 TOTAL..	5.13596E-02	2.05324E-02	2.10611E-02	7.62144E-04	1.08963E-03	6.98951E-04
30 TOTAL..	4.64478E-02	3.47225E-02	4.29724E-02	9.60910E-04	9.71231E-04	8.13471E-04
31 TOTAL..	4.34593E-02	5.65127E-02	6.70562E-02	1.37748E-03	7.41194E-04	9.46410E-04
32 TOTAL..	2.64578E-02	8.85920E-02	6.84199E-02	1.46853E-03	1.09722E-03	5.57380E-04
33 TOTAL..	5.20457E-03	1.12744E-01	7.02565E-02	1.25170E-03	8.58814E-04	4.39182E-04
34 TOTAL..	2.22133E-04	1.03149E-01	6.64221E-02	1.03172E-03	6.01442E-04	9.32573E-04
35 TOTAL..	1.14408E-04	4.13035E-02	3.07139E-02	5.17412E-04	8.75075E-04	1.25989E-03

36 TOTAL..	5.99357E-06	2.83137E-06	2.79786E-06	0.	0.	0.
37 TOTAL..	0.	0.	0.	0.	0.	0.
38 TOTAL..	0.	0.	0.	0.	0.	0.
39 TOTAL..	0.	0.	0.	0.	0.	0.
40 TOTAL..	0.	0.	0.	0.	0.	0.
41 TOTAL..	0.	0.	0.	0.	0.	0.
42 TOTAL..	0.	0.	0.	0.	0.	0.
43 TOTAL..	0.	0.	0.	0.	0.	0.
44 TOTAL..	0.	0.	0.	0.	0.	0.
45 TOTAL..	0.	0.	0.	0.	0.	0.
46 TOTAL..	0.	0.	0.	0.	0.	0.
47 TOTAL..	0.	0.	0.	0.	0.	0.
48 TOTAL..	0.	0.	0.	0.	0.	0.
49 TOTAL..	0.	0.	0.	0.	0.	0.
50 TOTAL..	0.	0.	0.	0.	0.	0.
51 TOTAL..	0.	0.	0.	0.	0.	0.
52 TOTAL..	0.	0.	0.	0.	0.	0.
53 TOTAL..	0.	0.	0.	0.	0.	0.

# RESPONSE SPECTRUM STRESS COMPONENTS (KIND = 2)

OR EACH ELEMENT, THE FOLLOWING INFORMATION IS PRINTED

1. FOR EACH EARTH QUAKE DIRECTION; THE NUMBER OF THE MODE WITH THE LARGEST STRESS.
  2. THE VALUE OF THAT STRESS.
  3. IF REQUESTED; THE MODE BY MODE STRESSES FOR EACH EARTH QUAKE DIRECTION.
  4. THE RESULTANT FOR EACH EARTH QUAKE DIRECTION.
  5. THE GRAND TOTAL OF THE THREE EARTH QUAKE DIRECTIONS.
- (NOTE THE X, Y, OR Z REFERS TO THE EARTH QUAKE DIRECTION.)

ELEMENT TYPE (3/D PIPE ) / / / 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)
X	4	3	12	3	3	3	4	3	12	3	3	3
X MAXIMUM	1.857E+01	3.240E+01	3.410E+01	1.310E+03	2.008E+03	2.191E+03	1.867E+01	3.240E+01	3.410E+01	1.310E+03	1.636E+03	1.802E+03
Y	4	4	4	4	4	4	4	4	4	4	1	4
Y MAXIMUM	6.048E+01	4.183E+01	4.381E+01	4.170E+01	8.724E+02	9.214E+02	6.048E+01	4.183E+01	4.381E+01	4.170E+01	3.802E+02	4.195E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.271E+01	8.150E+01	8.643E+01	1.318E+03	2.775E+03	2.855E+03	9.271E+01	8.150E+01	8.643E+01	1.318E+03	1.907E+03	2.041E+03

ELEMENT TYPE (3/D PIPE ) / / / 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)
X	4	12	3	3	3	12	12	12	3	3	3	12
X MAXIMUM	1.866E+01	4.396E+01	4.411E+01	1.310E+03	2.433E+03	7.591E+02	4.334E+01	1.882E+01	4.411E+01	1.739E+02	1.150E+03	4.891E+02
Y	4	4	5	4	4	4	4	12	5	1	3	4
Y MAXIMUM	8.048E+01	8.022E+01	1.788E+00	4.170E+01	7.989E+01	5.383E+02	8.535E+01	6.049E+00	1.786E+00	5.467E+00	2.745E+01	6.553E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.270E+01	1.076E+02	4.493E+01	1.318E+03	2.455E+03	1.333E+03	1.393E+02	2.784E+01	4.493E+01	1.749E+02	1.152E+03	1.179E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 2)

	PX(J) 12	VY(J) 4	VZ(J) 3	TX(J) 3	MY(J) 3	MZ(J) 13
X						
X MAXIMUM	4.396E+01	1.866E+01	4.411E+01	3.160E+02	8.070E+02	5.782E+02
Y						
Y MAXIMUM	6.022E+01	6.048E+01	1.786E+00	1.637E+01	5.566E+01	5.509E+02
Z						
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.076E+02	9.270E+01	4.493E+01	3.301E+02	8.544E+02	1.160E+03

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

	PX(I) 12	VY(I) 12	VZ(I) 3	TX(I) 3	MY(I) 3	MZ(I) 13	PX(J) 12	VY(J) 12	VZ(J) 3	TX(J) 3	MY(J) 3	MZ(J) 4
X												
X MAXIMUM	1.861E+01	2.790E+01	1.862E+01	3.160E+02	8.070E+02	5.782E+02	1.861E+01	2.790E+01	1.862E+01	3.160E+02	1.291E+03	6.494E+02
Y												
Y MAXIMUM	5.849E+01	5.978E+01	7.138E-01	1.655E+01	5.566E+01	5.509E+02	5.849E+01	5.978E+01	7.138E-01	1.655E+01	6.448E+01	2.104E+03
Z												
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.143E+01	9.653E+01	1.896E+01	3.301E+02	8.544E+02	1.160E+03	9.143E+01	9.653E+01	1.896E+01	3.301E+02	1.323E+03	3.159E+03

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

	PX(I) 4	VY(I) 13	VZ(I) 14	TX(I) 3	MY(I) 3	MZ(I) 4	PX(J) 4	VY(J) 13	VZ(J) 14	TX(J) 3	MY(J) 3	MZ(J) 13
X												
X MAXIMUM	1.778E+01	2.304E+01	3.476E+00	3.160E+02	1.291E+03	6.494E+02	1.778E+01	2.304E+01	3.476E+00	3.160E+02	1.369E+03	5.067E+02
Y												
Y MAXIMUM	5.760E+01	7.461E+01	4.786E-01	1.617E+01	8.448E+01	2.104E+03	5.760E+01	7.461E+01	4.786E-01	1.617E+01	6.570E+01	1.696E+02
Z												
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.797E+01	1.141E+02	5.253E+00	3.300E+02	1.323E+03	3.159E+03	8.797E+01	1.141E+02	5.253E+00	3.300E+02	1.392E+03	7.782E+02

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

	PX(I) 13	VY(I) 4	VZ(I) 3	TX(I) 3	MY(I) 3	MZ(I) 13	PX(C) 4	VY(C) 13	VZ(C) 3	TX(C) 3	MY(C) 3	MZ(C) 13
X												
X MAXIMUM	2.759E+01	2.125E+01	2.933E+01	3.160E+02	1.369E+03	5.067E+02	2.722E+01	1.260E+01	2.933E+01	3.324E+02	1.961E+02	4.504E+02
Y												
Y MAXIMUM	5.585E+01	8.887E+01	1.301E+00	1.617E+01	8.570E+01	1.696E+02	8.820E+01	9.207E+00	1.301E+00	3.560E+01	1.679E+01	1.388E+03
Z												
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.240E+01	1.053E+02	2.990E+01	3.300E+02	1.392E+03	7.782E+02	1.382E+02	2.255E+01	2.990E+01	3.635E+02	2.169E+02	2.169E+03

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

	PX(J) 4	VY(J) 13	VZ(J) 3	TX(J) 3	MY(J) 3	MZ(J) 13
X						
X MAXIMUM	2.125E+01	2.759E+01	2.933E+01	3.866E+01	1.092E+03	3.488E+02
Y						
Y MAXIMUM	6.887E+01	5.585E+01	1.301E+00	2.104E+01	7.863E+01	4.601E+02
Z						
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.053E+02	9.240E+01	2.990E+01	6.891E+01	1.146E+03	8.559E+02

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)
X	4	3	13	3	3	3	4	3	13	3	3	3
X MAXIMUM	1.753E+01	2.581E+01	2.335E+01	3.866E+01	7.430E+02	8.005E+02	1.753E+01	2.581E+01	2.335E+01	3.866E+01	1.002E+03	1.110E+03
Y	1	4	4	1	4	4	1	4	4	1	4	1
Y MAXIMUM	5.885E+01	3.725E+01	4.284E+01	2.104E+01	3.085E+02	3.450E+02	5.885E+01	3.725E+01	4.284E+01	2.104E+01	2.056E+02	1.677E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.216E+01	6.869E+01	7.467E+01	6.891E+01	1.010E+03	1.013E+03	9.216E+01	6.869E+01	7.467E+01	6.891E+01	1.331E+03	1.333E+03

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)
X	4	13	13	3	3	3	4	13	13	3	3	3
X MAXIMUM	1.599E+01	8.736E+00	1.208E+01	3.866E+01	1.002E+03	1.110E+03	1.599E+01	8.736E+00	1.208E+01	3.866E+01	1.027E+03	1.146E+03
Y	1	6	9	1	4	1	1	6	9	1	4	1
Y MAXIMUM	5.680E+01	2.686E+00	4.953E+00	2.104E+01	2.056E+02	1.677E+02	5.680E+01	2.686E+00	4.953E+00	2.104E+01	2.090E+02	1.777E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.704E+01	1.652E+01	2.199E+01	6.891E+01	1.331E+03	1.333E+03	8.704E+01	1.652E+01	2.199E+01	6.891E+01	1.145E+03	1.228E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	13	13	3	3	3	4	13	13	3	3	3
X MAXIMUM	1.394E+01	9.179E+00	1.160E+01	3.866E+01	1.027E+03	1.146E+03	1.394E+01	9.179E+00	1.168E+01	3.866E+01	9.950E+02	1.118E+03
Y	1	6	9	1	4	1	1	6	9	1	4	1
Y MAXIMUM	5.407E+01	2.348E+00	3.931E+00	2.104E+01	2.090E+02	1.777E+02	5.407E+01	2.348E+00	3.931E+00	2.104E+01	1.982E+02	1.807E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.053E+01	1.569E+01	1.979E+01	6.891E+01	1.145E+03	1.228E+03	8.053E+01	1.569E+01	1.979E+01	6.891E+01	1.098E+03	1.171E+03

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)
X	12	13	13	3	3	3	12	13	13	3	3	3
X MAXIMUM	1.293E+01	7.577E+00	8.369E+00	3.866E+01	9.950E+02	1.118E+03	1.293E+01	7.577E+00	8.369E+00	3.866E+01	8.722E+02	9.867E+02
Y	1	13	12	1	4	1	1	13	12	1	4	1
Y MAXIMUM	5.133E+01	1.734E+00	1.944E+00	2.104E+01	1.982E+02	1.807E+02	5.133E+01	1.734E+00	1.944E+00	2.104E+01	1.651E+02	1.767E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.450E+01	1.308E+01	1.482E+01	6.891E+01	1.098E+03	1.171E+03	7.450E+01	1.308E+01	1.482E+01	6.891E+01	1.069E+03	1.095E+03

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)
X	12	3	3	3	3	3	12	3	3	3	3	3
X MAXIMUM	1.505E+01	1.024E+01	9.328E+00	3.866E+01	8.722E+02	9.867E+02	1.505E+01	1.024E+01	9.328E+00	3.866E+01	6.483E+02	7.409E+02
Y	1	2	4	1	4	4	1	2	4	1	9	4
Y MAXIMUM	4.860E+01	1.152E+00	2.380E+00	2.104E+01	1.851E+02	1.787E+02	4.860E+01	1.152E+00	2.380E+00	2.104E+01	1.381E+02	1.544E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	6.907E+01	1.189E+01	1.219E+01	6.891E+01	1.089E+03	1.095E+03	6.907E+01	1.169E+01	1.219E+01	6.891E+01	9.066E+02	9.108E+02



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)
X	12	3	3	3	3	3	12	3	3	3	3	3
X MAXIMUM	1.717E+01	1.456E+01	1.313E+01	3.866E+01	8.483E+02	7.409E+02	1.717E+01	1.456E+01	1.313E+01	3.866E+01	3.332E+02	3.914E+02
Y	1	4	4	1	9	4	1	4	4	1	5	1
Y MAXIMUM	4.586E+01	2.011E+00	3.246E+00	2.104E+01	1.381E+02	1.544E+02	4.586E+01	2.011E+00	3.246E+00	2.104E+01	8.562E+01	1.175E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	6.437E+01	1.585E+01	1.800E+01	6.891E+01	9.066E+02	9.108E+02	6.437E+01	1.585E+01	1.800E+01	6.891E+01	5.723E+02	5.707E+02

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)
X	12	3	3	3	3	3	12	3	3	3	11	5
X MAXIMUM	1.928E+01	1.773E+01	1.590E+01	3.866E+01	3.332E+02	3.914E+02	1.928E+01	1.773E+01	1.590E+01	3.866E+01	3.029E+02	1.439E+02
Y	1	4	9	1	5	1	1	4	9	1	11	1
Y MAXIMUM	4.312E+01	2.841E+00	4.936E+00	2.104E+01	8.562E+01	1.175E+02	4.312E+01	2.841E+00	4.936E+00	2.104E+01	1.077E+02	7.407E+01
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	6.059E+01	2.203E+01	2.562E+01	6.891E+01	5.723E+02	5.707E+02	6.059E+01	2.203E+01	2.562E+01	6.891E+01	4.267E+02	2.307E+02

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)
X	12	3	3	3	11	5	12	3	3	3	11	3
X MAXIMUM	2.138E+01	1.935E+01	1.732E+01	3.866E+01	3.029E+02	1.439E+02	2.138E+01	1.935E+01	1.732E+01	3.866E+01	6.004E+02	4.986E+02
Y	1	4	9	1	11	1	1	4	9	1	11	2
Y MAXIMUM	4.038E+01	3.287E+00	5.880E+00	2.104E+01	1.077E+02	7.407E+01	4.038E+01	3.287E+00	5.880E+00	2.104E+01	2.134E+02	8.133E+01
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	5.790E+01	2.603E+01	3.028E+01	6.891E+01	4.267E+02	2.307E+02	5.790E+01	2.603E+01	3.028E+01	6.891E+01	9.758E+02	6.629E+02

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)
X	12	10	11	3	11	3	12	10	11	3	3	3
X MAXIMUM	2.373E+01	7.520E+00	2.113E+01	3.866E+01	6.004E+02	4.986E+02	2.373E+01	7.520E+00	2.113E+01	3.866E+01	4.304E+02	4.865E+02
Y	1	1	11	1	11	2	1	1	11	1	4	4
Y MAXIMUM	3.730E+01	3.373E+00	7.511E+00	2.104E+01	2.134E+02	8.133E+01	3.730E+01	3.373E+00	7.511E+00	2.104E+01	8.529E+01	9.285E+01
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	5.638E+01	1.337E+01	2.930E+01	6.891E+01	9.758E+02	8.629E+02	5.638E+01	1.337E+01	2.930E+01	6.891E+01	5.505E+02	5.607E+02

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)
X	13	10	11	3	3	3	13	10	11	3	11	3
X MAXIMUM	2.703E+01	5.232E+00	1.388E+01	3.866E+01	4.304E+02	4.865E+02	2.703E+01	5.232E+00	1.388E+01	3.866E+01	4.500E+02	4.317E+02
Y	1	1	11	1	4	4	1	1	11	1	11	1
Y MAXIMUM	3.387E+01	2.996E+00	4.934E+00	2.104E+01	8.529E+01	9.285E+01	3.387E+01	2.996E+00	4.934E+00	2.104E+01	1.599E+02	1.658E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	5.667E+01	1.011E+01	1.926E+01	6.891E+01	5.505E+02	5.607E+02	5.667E+01	1.011E+01	1.926E+01	6.891E+01	7.997E+02	6.096E+02

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)
X	13	3	3	3	11	3	13	3	3	3	11	3
X MAXIMUM	3.075E+01	3.714E+00	3.837E+00	3.866E+01	4.500E+02	4.317E+02	3.075E+01	3.714E+00	3.837E+00	3.866E+01	5.095E+02	3.425E+02
Y	1	1	9	1	11	1	1	1	9	1	11	1
Y MAXIMUM	3.078E+01	2.403E+00	2.424E+00	2.104E+01	1.599E+02	1.658E+02	3.078E+01	2.403E+00	2.424E+00	2.104E+01	1.811E+02	2.235E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	5.869E+01	6.333E+00	7.367E+00	6.891E+01	7.997E+02	6.096E+02	5.869E+01	6.333E+00	7.367E+00	6.891E+01	8.122E+02	6.060E+02

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)
X	13	3	11	3	11	3	13	3	11	3	5	5
X MAXIMUM	3.404E+01	5.348E+00	8.449E+00	3.866E+01	5.095E+02	3.425E+02	3.404E+01	5.348E+00	8.449E+00	3.866E+01	3.109E+02	2.376E+02
Y	1	1	11	1	11	1	1	1	11	1	9	1
Y MAXIMUM	2.804E+01	1.799E+00	3.003E+00	2.104E+01	1.811E+02	2.235E+02	2.804E+01	1.799E+00	3.003E+00	2.104E+01	1.223E+02	2.666E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	6.174E+01	7.372E+00	1.485E+01	6.891E+01	8.122E+02	6.060E+02	6.174E+01	7.372E+00	1.485E+01	6.891E+01	5.467E+02	5.137E+02

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)
X	13	3	11	3	5	5	13	3	11	3	13	8
X MAXIMUM	3.732E+01	6.607E+00	1.726E+01	3.866E+01	3.109E+02	2.376E+02	3.732E+01	6.607E+00	1.726E+01	3.866E+01	2.008E+02	1.165E+02
Y	1	6	11	1	9	1	1	6	11	1	4	1
Y MAXIMUM	2.529E+01	1.943E+00	6.134E+00	2.104E+01	1.223E+02	2.666E+02	2.529E+01	1.943E+00	6.134E+00	2.104E+01	1.337E+02	2.967E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	6.581E+01	1.129E+01	2.545E+01	6.891E+01	5.467E+02	5.137E+02	6.581E+01	1.129E+01	2.545E+01	6.891E+01	4.296E+02	4.024E+02

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)
X	13	3	11	3	13	8	13	3	11	3	11	10
X MAXIMUM	4.057E+01	7.287E+00	2.225E+01	3.866E+01	2.008E+02	1.165E+02	4.057E+01	7.287E+00	2.225E+01	3.866E+01	6.415E+02	1.580E+02
Y	4	6	11	1	4	1	4	6	11	1	11	1
Y MAXIMUM	3.129E+01	2.471E+00	7.909E+00	2.104E+01	1.337E+02	2.967E+02	3.129E+01	2.471E+00	7.909E+00	2.104E+01	2.280E+02	3.187E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.071E+01	1.401E+01	3.122E+01	6.891E+01	4.296E+02	4.024E+02	7.071E+01	1.401E+01	3.122E+01	6.891E+01	1.014E+03	4.696E+02

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)
X	13	13	8	3	10	11	13	13	8	3	5	11
X MAXIMUM	4.033E+01	1.772E+01	7.751E+00	8.098E+01	1.523E+02	6.415E+02	4.033E+01	1.772E+01	7.751E+00	8.098E+01	1.687E+02	2.291E+02
Y	4	9	1	1	1	11	4	9	1	1	4	4
Y MAXIMUM	4.054E+01	5.531E+00	1.253E+01	1.013E+02	3.029E+02	2.280E+02	4.054E+01	5.531E+00	1.253E+01	1.013E+02	8.561E+01	1.006E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.771E+01	2.955E+01	1.925E+01	1.584E+02	4.474E+02	1.014E+03	7.771E+01	2.955E+01	1.925E+01	1.584E+02	2.582E+02	4.059E+02



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)
X	13	13	10	10	5	11	13	13	10	10	5	13
X MAXIMUM	-7.316E+01	2.282E+01	-5.090E+00	6.944E+01	-1.442E+02	3.031E+02	-7.316E+01	2.282E+01	-5.090E+00	6.944E+01	-2.093E+02	-4.981E+02
Y	4	4	4	1	4	4	4	4	4	1	4	9
Y MAXIMUM	-7.862E+01	7.949E+00	-7.487E+00	-2.315E+01	-1.416E+02	1.664E+02	-7.862E+01	7.949E+00	-7.487E+00	-2.315E+01	-3.471E+02	2.610E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.162E+02	3.207E+01	1.198E+01	1.150E+02	2.465E+02	4.737E+02	1.162E+02	3.207E+01	1.198E+01	1.150E+02	5.055E+02	7.013E+02

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)
X	13	11	10	10	5	13	13	11	10	10	5	13
X MAXIMUM	-7.952E+01	8.945E+00	-2.268E+00	6.944E+01	-2.093E+02	-4.981E+02	-7.952E+01	8.945E+00	-2.268E+00	6.944E+01	-2.107E+02	-6.962E+02
Y	4	4	4	1	4	9	4	4	4	1	4	4
Y MAXIMUM	-9.016E+01	1.076E+01	-4.622E+00	-2.315E+01	-3.471E+02	2.610E+02	-9.016E+01	1.076E+01	-4.622E+00	-2.315E+01	-4.740E+02	-3.470E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.289E+02	1.719E+01	6.506E+00	1.150E+02	5.055E+02	7.013E+02	1.289E+02	1.719E+01	6.506E+00	1.150E+02	6.471E+02	1.039E+03

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)
X	13	13	13	10	5	13	13	13	13	10	5	13
X MAXIMUM	-8.583E+01	-1.138E+01	-4.741E+00	6.944E+01	-2.107E+02	-6.962E+02	-8.583E+01	-1.138E+01	-4.741E+00	6.944E+01	-1.438E+02	-3.840E+02
Y	4	4	1	1	4	4	4	4	1	1	4	4
Y MAXIMUM	-1.017E+02	1.247E+01	1.801E+00	-2.315E+01	-4.740E+02	-3.470E+02	-1.017E+02	1.247E+01	1.801E+00	-2.315E+01	-5.053E+02	-6.894E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.418E+02	1.865E+01	6.760E+00	1.150E+02	6.471E+02	1.039E+03	1.418E+02	1.865E+01	6.760E+00	1.150E+02	6.433E+02	9.911E+02

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)
X	13	13	13	10	5	13	13	13	13	10	13	13
X MAXIMUM	-9.208E+01	-2.424E+01	-7.167E+00	6.944E+01	-1.438E+02	-3.840E+02	-9.208E+01	-2.424E+01	-7.167E+00	6.944E+01	-1.766E+02	2.814E+02
Y	4	4	4	1	4	4	4	4	4	1	4	4
Y MAXIMUM	-1.132E+02	1.379E+01	2.058E+00	-2.315E+01	-5.053E+02	-6.894E+02	-1.132E+02	1.379E+01	2.058E+00	-2.315E+01	-4.489E+02	-1.068E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.547E+02	3.275E+01	1.091E+01	1.150E+02	6.433E+02	9.911E+02	1.547E+02	3.275E+01	1.091E+01	1.150E+02	6.095E+02	1.176E+03

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)
X	13	13	13	1	13	13	13	13	13	1	13	13
X MAXIMUM	-8.051E+01	7.343E+00	-8.168E+01	-7.183E+01	-2.814E+02	-1.814E+02	-8.051E+01	7.343E+00	-8.168E+01	-7.183E+01	-1.762E+03	-3.576E+02
Y	4	4	4	4	4	4	4	4	4	4	13	4
Y MAXIMUM	-1.208E+02	-3.897E+00	-3.226E+01	1.785E+02	1.068E+03	-4.119E+02	-1.208E+02	-3.897E+00	-3.226E+01	1.785E+02	-3.790E+02	-3.184E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.549E+02	1.275E+01	7.298E+01	2.858E+02	1.176E+03	5.604E+02	1.549E+02	1.275E+01	7.298E+01	2.658E+02	1.888E+03	6.440E+02

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)
X	13	13	13	1	13	13	13	13	13	1	13	10
X MAXIMUM	-8.362E+01	-2.622E+01	9.048E+01	-7.183E+01	-1.762E+03	-3.576E+02	-8.362E+01	-2.622E+01	9.048E+01	-7.183E+01	-8.759E+02	1.326E+02
Y	4	4	4	4	13	4	4	4	4	4	4	4
Y MAXIMUM	-1.284E+02	-4.653E+01	5.629E+01	1.785E+02	-3.790E+02	-3.184E+02	-1.284E+02	-4.653E+01	5.629E+01	1.785E+02	9.693E+02	2.399E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.633E+02	5.648E+01	1.151E+02	2.658E+02	1.888E+03	6.440E+02	1.633E+02	5.648E+01	1.151E+02	2.658E+02	1.302E+03	4.160E+02

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)
X	13	13	4	1	13	13	13	4	4	1	4	13
X MAXIMUM	-9.111E+01	-8.863E+01	6.062E+00	-7.183E+01	-1.729E+02	-6.548E+02	-1.271E+02	-1.381E+01	6.062E+00	-9.880E+01	2.236E+02	1.073E+03
Y	4	4	4	4	1	4	4	4	4	4	4	4
Y MAXIMUM	-1.467E+02	-6.968E+01	-2.390E+01	1.785E+02	-2.000E+02	9.954E+02	-1.530E+02	5.444E+01	-2.390E+01	-1.539E+02	-8.815E+02	1.298E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.837E+02	1.204E+02	2.674E+01	2.658E+02	3.982E+02	1.308E+03	2.115E+02	5.910E+01	2.674E+01	2.874E+02	9.374E+02	1.952E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	13	13	4	4	4	13
X MAXIMUM	-8.863E+01	9.111E+01	6.062E+00	2.709E+02	3.363E+02	-7.738E+02
Y	4	4	4	4	4	4
Y MAXIMUM	-6.968E+01	1.467E+02	-2.390E+01	-1.068E+03	-1.326E+03	-2.700E+03
Z	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.204E+02	1.837E+02	2.674E+01	1.123E+03	1.496E+03	3.095E+03

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)
X	13	7	4	4	4	13	13	7	4	4	13	13
X MAXIMUM	-6.469E+01	1.334E+01	-1.548E+01	2.713E+02	3.363E+02	-7.738E+02	-6.469E+01	1.334E+01	-1.548E+01	2.713E+02	1.943E+02	-5.423E+02
Y	4	4	4	4	4	4	4	4	4	4	2	4
Y MAXIMUM	-6.138E+01	-3.172E+01	6.103E+01	-1.069E+03	-1.326E+03	-2.700E+03	-6.138E+01	-3.172E+01	6.103E+01	-1.069E+03	-1.738E+02	-2.007E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.519E+01	4.391E+01	6.488E+01	1.124E+03	1.496E+03	3.094E+03	9.519E+01	4.391E+01	6.488E+01	1.124E+03	3.848E+02	2.205E+03

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)
X	13	13	4	4	13	13	13	13	4	4	4	4
X MAXIMUM	-5.469E+01	-1.274E+01	-1.548E+01	2.708E+02	1.943E+02	-5.423E+02	-5.469E+01	-1.274E+01	-1.548E+01	2.708E+02	-3.40E+02	3.205E+02
Y	4	4	4	4	2	4	4	4	4	4	4	4
Y MAXIMUM	-6.954E+01	-3.405E+01	6.101E+01	-1.068E+03	-1.738E+02	-2.008E+03	-6.954E+01	-3.405E+01	6.101E+01	-1.068E+03	1.341E+03	-1.264E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.382E+01	4.490E+01	6.460E+01	1.122E+03	3.848E+02	2.206E+03	9.382E+01	4.490E+01	6.460E+01	1.122E+03	1.431E+03	1.344E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	13	4	13	4	4	4	13	13	13	4	7	4
X MAXIMUM	-4.015E+01	1.452E+01	-1.341E+01	2.709E+02	-3.204E+02	-3.403E+02	-3.657E+01	1.859E+01	-1.341E+01	1.543E+02	2.217E+02	-5.412E+02
Y	4	4	4	4	4	4	4	4	4	4	4	4
Y MAXIMUM	-8.124E+01	-5.724E+01	-3.796E+01	-1.068E+03	1.263E+03	1.341E+03	-9.774E+01	-1.796E+01	-3.796E+01	-6.084E+02	8.313E+02	2.134E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.548E+01	6.013E+01	4.491E+01	1.123E+03	1.344E+03	1.431E+03	1.090E+02	2.910E+01	4.491E+01	6.811E+02	9.591E+02	2.245E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	13	13	13	2	13	4
X MAXIMUM	-2.626E+01	3.038E+01	-1.341E+01	-1.860E+02	-3.245E+02	-5.234E+02
Y	4	4	4	4	1	4
Y MAXIMUM	-9.628E+01	2.463E+01	-3.796E+01	-3.718E+02	-3.235E+02	2.063E+03
Z	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.038E+02	4.415E+01	4.491E+01	5.082E+02	8.137E+02	2.286E+03

ELEMENT TYPE (3/D 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)
X	4	4	4	2	4	13	4	4	4	2	13	13
X MAXIMUM	2.479E+01	8.565E+00	1.173E+01	-1.999E+02	-5.234E+02	3.225E+02	2.479E+01	8.565E+00	1.173E+01	-1.999E+02	-7.145E+02	3.969E+02
Y	4	4	4	4	4	1	4	4	4	4	2	4
Y MAXIMUM	-9.773E+01	-3.377E+01	-4.624E+01	-3.545E+02	2.063E+03	3.129E+02	-9.773E+01	-3.377E+01	-4.624E+01	-3.545E+02	4.954E+02	9.571E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.039E+02	3.642E+01	4.991E+01	5.220E+02	2.286E+03	8.048E+02	1.039E+02	3.642E+01	4.991E+01	5.220E+02	1.247E+03	1.326E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 32)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	13	13	2	13	13	4	13	13	2	2	4
X MAXIMUM	2.716E+01	1.011E+01	2.031E+01	-1.576E+02	-7.145E+02	3.989E+02	2.716E+01	1.011E+01	2.031E+01	-1.576E+02	5.580E+02	-4.271E+02
Y	4	4	4	4	2	4	4	4	4	4	4	4
Y MAXIMUM	-1.070E+02	-1.535E+01	-4.062E+01	-2.328E+02	4.954E+02	9.937E+02	-1.070E+02	-1.535E+01	-4.062E+01	-2.328E+02	-1.445E+03	1.684E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.128E+02	2.316E+01	4.797E+01	3.679E+02	1.247E+03	1.377E+03	1.128E+02	2.316E+01	4.797E+01	3.679E+02	1.787E+03	1.885E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	4	13	13	2	4	2	4	13	13	7	4	2
X MAXIMUM	2.756E+01	1.583E+01	-8.144E+00	-1.745E+02	-4.232E+02	-5.580E+02	2.939E+01	1.738E+01	-8.144E+00	1.185E+02	-4.007E+02	-5.205E+02
Y	4	4	4	4	4	4	4	4	4	4	4	4
Y MAXIMUM	-1.086E+02	-4.172E+01	-8.977E+00	-3.262E+02	1.668E+03	1.445E+03	-1.158E+02	-1.116E+01	-8.977E+00	1.158E+02	1.580E+03	1.790E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.143E+02	4.727E+01	1.766E+01	4.569E+02	1.866E+03	1.787E+03	1.213E+02	2.433E+01	1.766E+01	2.403E+02	1.775E+03	2.097E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	13	13	7	4	13
X MAXIMUM	2.907E+01	1.766E+01	-8.144E+00	1.963E+02	-3.491E+02	-6.447E+02
Y	4	4	4	4	4	4
Y MAXIMUM	-1.146E+02	2.020E+01	-8.977E+00	5.181E+02	1.376E+03	1.731E+03
Z	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.197E+02	3.103E+01	1.766E+01	5.968E+02	1.571E+03	2.060E+03

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)
X	4	4	2	7	13	4	4	4	2	7	13	13
X MAXIMUM	2.909E+01	-8.623E+00	-1.205E+01	1.961E+02	6.447E+02	-3.492E+02	2.909E+01	-8.623E+00	-1.205E+01	1.961E+02	4.803E+02	-1.956E+02
Y	4	4	4	4	4	4	4	4	4	4	1	4
Y MAXIMUM	-1.147E+02	3.399E+01	2.980E+01	5.172E+02	-1.731E+03	1.376E+03	-1.147E+02	3.399E+01	2.980E+01	5.172E+02	2.019E+02	-3.806E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.198E+02	3.895E+01	3.730E+01	5.958E+02	2.060E+03	1.571E+03	1.198E+02	3.895E+01	3.730E+01	5.958E+02	6.750E+02	6.062E+02

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 35)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	13	13	7	13	13	4	13	13	7	13	4
X MAXIMUM	2.910E+01	-1.218E+01	-2.935E+01	1.961E+02	4.803E+02	-1.956E+02	2.910E+01	-1.218E+01	-2.935E+01	1.961E+02	-1.046E+03	7.226E+02
Y	4	4	4	4	1	4	4	4	4	4	4	4
Y MAXIMUM	-1.147E+02	4.746E+01	3.709E+01	5.172E+02	2.019E+02	-3.806E+02	-1.147E+02	4.746E+01	3.709E+01	5.172E+02	1.738E+03	-2.849E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.199E+02	5.663E+01	5.595E+01	5.958E+02	6.750E+02	6.062E+02	1.199E+02	5.663E+01	5.595E+01	5.958E+02	2.685E+03	3.329E+03

BDRY- BOUNDARY ELEMENTS (SPRING)  
 THAM- THERMAL ANCHOR MOTION  
 SEAM- SEISMIC ANCHOR MOTION  
 SNBR- SNUBBER ELEMENT

LOAD CASE		1 ENVELOPE SPECTRUM ANALYSIS									
KIND OF SUPPORT	NODE NUMBER	FX	FY	FZ	GLOBAL COMPONENTS			MY	MZ	LOCAL COMPONENTS	
										FL	ML
BDRY	1	93.	0.	0.				0.	0.	93.	0.
BDRY	1	0.	107.	0.				0.	0.	107.	0.
BDRY	1	0.	0.	89.				0.	0.	89.	0.
BDRY	4	0.	234.	0.				0.	0.	234.	0.
BDRY	7	0.	0.	84.				0.	0.	84.	0.
BDRY	7	100.	0.	0.				0.	0.	100.	0.
BDRY	14	0.	0.	39.				0.	0.	39.	0.
BDRY	14	78.	0.	0.				0.	0.	78.	0.
BDRY	20	0.	0.	28.				0.	0.	28.	0.
BDRY	20	78.	0.	0.				0.	0.	78.	0.
BDRY	26	0.	0.	59.				0.	0.	59.	0.
BDRY	26	185.	0.	0.				0.	0.	185.	0.
BDRY	28	0.	221.	0.				0.	0.	221.	0.
BDRY	28	0.	0.	89.				0.	0.	89.	0.
BDRY	36	120.	0.	0.				0.	0.	120.	0.
BDRY	36	0.	57.	0.				0.	0.	57.	0.
BDRY	36	0.	0.	56.				0.	0.	56.	0.

Problem 1b

Independent Support Motion Solution  
SRSS Group Combination



SUPPORT GROUP 1  
\*\*\*\*\*

DIRECTION FACTORS

X = 1.0000 Y = .6667 Z = 0.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT

EQ.1 ACCELERATION IN IN./SEC.2

EQ.2 ACCELERATION IN GS

1 SPECTRA ARE ENTERED FOR CASE 1. KIND= 2

CLUSTER FACTOR, CF = .00010



# MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	6.042	.4619E-02	-.3547E+00	.4438E-02
2	6.256	.1864E-02	-.2861E+00	.3235E-02
3	7.760	-.3507E+00	.1201E-01	.3870E+00
4	8.943	-.6312E-02	.4211E+00	-.3601E-01
5	12.444	-.2187E+00	-.7352E-01	.2207E+00
6	12.830	.1193E-01	.7246E-01	.1240E+00
7	14.303	.1471E+00	.1589E-01	-.1169E+00
8	15.486	.9577E-01	-.1843E-01	-.1381E+00
9	16.371	.6390E-01	.3497E-01	-.7319E-01
10	18.543	.9417E-01	-.1483E-01	-.2684E-01
11	19.499	-.1480E-02	-.1387E-01	-.8588E-01
12	23.243	.3396E+00	.1062E-02	.3156E+00
13	24.105	-.2828E+00	-.5291E-01	-.2419E+00
14	32.638	-.1098E-01	.1536E-03	.1211E-01
15	33.837	.6263E-03	-.1931E-02	.9882E-03

## SPECTRUM TABLE ( SPECTRUM GROUP 1

NUMBER OF POINTS = 10  
SCALE FACTOR = .38640E+03

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.2900E-01	.8750E+00
2	.3400E-01	.1000E+01
3	.4300E-01	.1000E+01
4	.4800E-01	.8000E+00
5	.5900E-01	.9250E+00
6	.7400E-01	.9250E+00
7	.8100E-01	.8000E+00
8	.1250E+00	.1000E+01
9	.2000E+00	.2275E+01
10	.4000E+00	.2275E+01

SUPPORT GROUP 2  
\*\*\*\*\*

DIRECTION FACTORS

X = 1.0000 Y = .6667 Z = 0.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION IN IN./SEC.2  
EQ.2 ACCELERATION IN GS

1 SPECTRA ARE ENTERED FOR CASE 2. KIND= 2

CLUSTER FACTOR, CF = .00010

# MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	6.042	.3821E-01	.4523E+00	.5133E+00
2	6.256	.6671E-01	.3974E+00	-.5167E+00
3	7.760	.8752E-01	.6168E-02	-.7898E-01
4	8.943	-.1965E+00	.7778E+00	-.4380E-01
5	12.444	.3043E-01	.1142E+00	-.7655E-02
6	12.830	-.7459E-01	-.3567E-01	-.2295E-01
7	14.303	.9659E-01	-.4595E-02	-.2006E-01
8	15.486	-.6410E-01	.8159E-01	.1675E+00
9	16.371	-.6074E-02	.2277E+00	-.6942E-01
10	18.543	.7435E-01	-.1594E-01	-.7557E+00
11	19.499	.4965E+00	-.2641E+00	.7612E-02
12	23.243	-.3901E+00	-.2405E+00	.7754E-01
13	24.105	-.6504E+00	-.2483E+00	-.1175E+00
14	32.636	-.9394E-01	-.1401E-02	.1068E+00
15	33.837	.9503E-01	-.2455E+00	.1308E+00

## SPECTRUM TABLE (      SPECTRUM GROUP 2      )

NUMBER OF POINTS = 11  
SCALE FACTOR = .38640E+03

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.2900E-01	.6000E+00
2	.3200E-01	.7000E+00
3	.3700E-01	.7500E+00
4	.4300E-01	.7500E+00
5	.4600E-01	.8000E+00
6	.6300E-01	.7000E+00
7	.7100E-01	.7000E+00
8	.8000E-01	.6750E+00
9	.1430E+00	.7500E+00
10	.2500E+00	.1400E+01
11	.3330E+00	.1400E+01

# COMBINATION OF INDIVIDUAL SUPPORT GROUP RESPONSES

KIND=1 SUPPORT COMBINATION AFTER SAP SUMMATION

KIND=1 SUPPORT COMBINATION DONE FIRST

GROUP COMBINATION TYPE= 3

ALGEBRAIC METHOD = 1  
ABSOLUTE METHOD = 2  
SRSS METHOD = 3

NODE NUMBER	MODE NUMBER	D I S P L A C E M E N T S / R O T A T I O N S			A C C E L E R A T I O N S I N G ' S		
		X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION
1	TOTAL	4.32169E-06	4.63564E-06	4.07488E-06	0.	0.	0.
2	TOTAL	2.37039E-03	2.39862E-05	2.45713E-03	3.75026E-04	2.64055E-04	3.58191E-04
3	TOTAL	6.22428E-02	6.94628E-03	6.89466E-02	1.13092E-03	8.37583E-04	1.02311E-03
4	TOTAL	7.37878E-02	1.00797E-05	8.17742E-02	1.28094E-03	4.94703E-04	1.18497E-03
5	TOTAL	7.83074E-02	2.38749E-02	8.67217E-02	1.50690E-03	1.70592E-04	1.44807E-03
6	TOTAL	1.25211E-02	5.65564E-02	1.37369E-02	1.20725E-03	5.16820E-04	1.09822E-03
7	TOTAL	4.18742E-06	5.65755E-02	3.70650E-06	1.06433E-03	5.08031E-04	9.71991E-04
8	TOTAL	1.96697E-02	5.66113E-02	2.13717E-02	7.21500E-04	4.91147E-04	6.74784E-04
9	TOTAL	3.20115E-02	5.66439E-02	3.44244E-02	3.89985E-04	4.75269E-04	3.84347E-04
10	TOTAL	3.68186E-02	5.66735E-02	3.92419E-02	1.23243E-04	4.60502E-04	1.42451E-04
11	TOTAL	3.42747E-02	5.66999E-02	3.63554E-02	2.78687E-04	4.46956E-04	2.68260E-04
12	TOTAL	2.56422E-02	5.67231E-02	2.71914E-02	4.82629E-04	4.34744E-04	4.59394E-04
13	TOTAL	1.34933E-02	5.67433E-02	1.42915E-02	5.67581E-04	4.23982E-04	5.30639E-04
14	TOTAL	2.77373E-03	5.67603E-02	1.68330E-03	5.01178E-04	4.14783E-04	4.74932E-04
15	TOTAL	1.35494E-02	5.67773E-02	1.18692E-02	3.30426E-04	4.05642E-04	3.80479E-04
16	TOTAL	2.19587E-02	5.67893E-02	1.87718E-02	1.37385E-04	3.99287E-04	1.71713E-04
17	TOTAL	2.28206E-02	5.67954E-02	1.95583E-02	8.28709E-05	3.96300E-04	1.13969E-04

18 TOTAL ..	1.82419E-02	5.67984E-02	1.61194E-02	2.27541E-04	3.95226E-04	2.92016E-04
19 TOTAL ..	1.01880E-02	5.67984E-02	9.17123E-03	3.45682E-04	3.96080E-04	3.67612E-04
20 TOTAL ..	2.87326E-03	5.67952E-02	1.28962E-03	4.17267E-04	3.98849E-04	3.42707E-04
21 TOTAL ..	9.75694E-03	5.60556E-02	1.34085E-02	4.32911E-04	3.65594E-04	3.69828E-04
22 TOTAL ..	1.81559E-02	5.51333E-02	2.45139E-02	3.32083E-04	2.98612E-04	2.79123E-04
23 TOTAL ..	2.21964E-02	5.41702E-02	3.02664E-02	1.60722E-04	2.53954E-04	1.28875E-04
24 TOTAL ..	1.99600E-02	5.35363E-02	2.79500E-02	2.25561E-04	3.13078E-04	2.59568E-04
25 TOTAL ..	1.18859E-02	5.41565E-02	1.59845E-02	5.17476E-04	4.62491E-04	4.36636E-04
26 TOTAL ..	6.78263E-06	5.41346E-02	2.63002E-06	8.24666E-04	6.62747E-04	5.69956E-04
27 TOTAL ..	7.48581E-03	5.41226E-02	1.08058E-02	9.60390E-04	7.67576E-04	6.83652E-04
28 TOTAL ..	4.18879E-02	7.59064E-06	4.74060E-06	1.09115E-03	1.85369E-03	1.73932E-03
29 TOTAL ..	3.64640E-02	3.79779E-02	4.27939E-02	1.03688E-03	2.20673E-03	1.97609E-03
30 TOTAL ..	3.69746E-02	7.92083E-02	8.93660E-02	1.02849E-03	2.22876E-03	2.05115E-03
31 TOTAL ..	3.23291E-02	1.52653E-01	1.67574E-01	1.12018E-03	1.65060E-03	1.53133E-03
32 TOTAL ..	2.23817E-02	1.89857E-01	1.98692E-01	1.10704E-03	9.35698E-04	5.10927E-04
33 TOTAL ..	8.80036E-03	1.87598E-01	1.90980E-01	9.07579E-04	1.10136E-03	1.01553E-03
34 TOTAL ..	1.56034E-04	1.56913E-01	1.59498E-01	7.46823E-04	1.65794E-03	1.66950E-03
35 TOTAL ..	8.03627E-05	5.83016E-02	6.05449E-02	3.74535E-04	1.90237E-03	1.85009E-03

36 TOTAL..	4.21000E-06	3.33628E-06	3.71355E-06	0.	0.	0.
37 TOTAL..	0.	0.	0.	0.	0.	0.
38 TOTAL..	0.	0.	0.	0.	0.	0.
39 TOTAL..	0.	0.	0.	0.	0.	0.
40 TOTAL..	0.	0.	0.	0.	0.	0.
41 TOTAL..	0.	0.	0.	0.	0.	0.
42 TOTAL..	0.	0.	0.	0.	0.	0.
43 TOTAL..	0.	0.	0.	0.	0.	0.
44 TOTAL..	0.	0.	0.	0.	0.	0.
45 TOTAL..	0.	0.	0.	0.	0.	0.
46 TOTAL..	0.	0.	0.	0.	0.	0.
47 TOTAL..	0.	0.	0.	0.	0.	0.
48 TOTAL..	0.	0.	0.	0.	0.	0.
49 TOTAL..	0.	0.	0.	0.	0.	0.
50 TOTAL..	0.	0.	0.	0.	0.	0.
51 TOTAL..	0.	0.	0.	0.	0.	0.
52 TOTAL..	0.	0.	0.	0.	0.	0.
53 TOTAL..	0.	0.	0.	0.	0.	0.



# RESPONSE SPECTRUM STRESS COMPONENTS (KIND = 2)

ON EACH ELEMENT, THE FOLLOWING INFORMATION IS PRINTED

1. FOR EACH EARTH QUAKE DIRECTION; THE NUMBER OF THE MODE WITH THE LARGEST STRESS.
  2. THE VALUE OF THAT STRESS.
  3. IF REQUESTED; THE MODE BY MODE STRESSES FOR EACH EARTH QUAKE DIRECTION.
  4. THE RESULTANT FOR EACH EARTH QUAKE DIRECTION.
  5. THE GRAND TOTAL OF THE THREE EARTH QUAKE DIRECTIONS.
- (NOTE THE X, Y, OR Z REFERS TO THE EARTH QUAKE DIRECTION.)

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)
X	4	3	12	3	3	3	4	3	12	3	3	3
X MAXIMUM	1.867E+01	3.240E+01	3.410E+01	1.310E+03	2.008E+03	2.191E+03	1.867E+01	3.240E+01	3.410E+01	1.310E+03	1.636E+03	1.802E+03
Y	4	4	4	4	4	4	4	4	4	4	1	4
Y MAXIMUM	8.048E+01	4.183E+01	4.381E+01	4.170E+01	8.724E+02	9.214E+02	8.048E+01	4.183E+01	4.381E+01	4.170E+01	3.802E+02	4.195E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.271E+01	8.150E+01	8.643E+01	1.318E+03	2.775E+03	2.855E+03	9.271E+01	8.150E+01	8.643E+01	1.318E+03	1.907E+03	2.041E+03

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)
X	4	12	3	3	3	12	12	12	3	3	3	12
X MAXIMUM	1.868E+01	4.398E+01	4.411E+01	1.310E+03	2.433E+03	7.591E+02	4.334E+01	1.882E+01	4.411E+01	1.739E+02	1.150E+03	4.891E+02
Y	4	4	5	4	4	4	4	12	5	1	3	4
Y MAXIMUM	8.048E+01	8.022E+01	1.780E+00	4.170E+01	7.989E+01	5.383E+02	8.535E+01	5.049E+00	1.786E+00	5.467E+00	2.745E+01	6.553E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.270E+01	1.078E+02	4.493E+01	1.318E+03	2.455E+03	1.333E+03	1.393E+02	2.764E+01	4.493E+01	1.749E+02	1.152E+03	1.179E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 2)

	PX(J) 12	VY(J) 4	VZ(J) 3	TX(J) 3	MY(J) 3	MZ(J) 13
X						
X MAXIMUM	4.396E+01	1.866E+01	4.411E+01	3.160E+02	8.070E+02	5.782E+02
Y						
Y MAXIMUM	6.022E+01	6.048E+01	1.786E+00	1.637E+01	5.566E+01	5.509E+02
Z						
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.076E+02	9.270E+01	4.493E+01	3.301E+02	8.544E+02	1.160E+03

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

	PX(I) 12	VY(I) 12	VZ(I) 3	TX(I) 3	MY(I) 3	MZ(I) 13	PX(J) 12	VY(J) 12	VZ(J) 3	TX(J) 3	MY(J) 3	MZ(J) 4
X												
X MAXIMUM	1.861E+01	2.790E+01	1.862E+01	3.160E+02	8.070E+02	5.782E+02	1.861E+01	2.790E+01	1.862E+01	3.160E+02	1.291E+03	6.494E+02
Y												
Y MAXIMUM	5.849E+01	5.978E+01	7.138E-01	1.655E+01	5.566E+01	5.509E+02	5.849E+01	5.978E+01	7.138E-01	1.655E+01	6.448E+01	2.104E+03
Z												
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.143E+01	9.653E+01	1.896E+01	3.301E+02	8.544E+02	1.160E+03	9.143E+01	9.653E+01	1.896E+01	3.301E+02	1.323E+03	3.159E+03

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

	PX(I) 4	VY(I) 13	VZ(I) 14	TX(I) 3	MY(I) 3	MZ(I) 4	PX(J) 4	VY(J) 13	VZ(J) 14	TX(J) 3	MY(J) 3	MZ(J) 13
X												
X MAXIMUM	1.778E+01	2.304E+01	3.476E+00	3.160E+02	1.291E+03	6.494E+02	1.778E+01	2.304E+01	3.476E+00	3.160E+02	1.369E+03	5.067E+02
Y												
Y MAXIMUM	5.760E+01	7.461E+01	4.786E-01	1.817E+01	6.448E+01	2.104E+03	5.760E+01	7.461E+01	4.786E-01	1.617E+01	6.570E+01	1.696E+02
Z												
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.797E+01	1.141E+02	5.253E+00	3.300E+02	1.323E+03	3.159E+03	8.797E+01	1.141E+02	5.253E+00	3.300E+02	1.392E+03	7.782E+02

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

	PX(I) 13	VY(I) 4	VZ(I) 3	TX(I) 3	MY(I) 3	MZ(I) 13	PX(C) 4	VY(C) 13	VZ(C) 3	TX(C) 3	MY(C) 3	MZ(C) 13
X												
X MAXIMUM	2.759E+01	2.125E+01	2.933E+01	3.160E+02	1.369E+03	5.067E+02	2.722E+01	1.260E+01	2.933E+01	3.324E+02	1.961E+02	4.504E+02
Y												
Y MAXIMUM	5.585E+01	6.887E+01	1.301E+00	1.817E+01	6.570E+01	1.698E+02	8.820E+01	9.207E+00	1.301E+00	3.560E+01	1.679E+01	1.388E+03
Z												
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.240E+01	1.053E+02	2.990E+01	3.300E+02	1.392E+03	7.782E+02	1.382E+02	2.255E+01	2.990E+01	3.635E+02	2.169E+02	2.169E+03

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

	PX(J) 4	VY(J) 13	VZ(J) 3	TX(J) 3	MY(J) 3	MZ(J) 13
X						
X MAXIMUM	2.125E+01	2.759E+01	2.933E+01	3.866E+01	1.092E+03	3.488E+02
Y						
Y MAXIMUM	6.887E+01	5.585E+01	1.301E+00	2.104E+01	7.863E+01	4.601E+02
Z						
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.053E+02	9.240E+01	2.990E+01	6.891E+01	1.146E+03	8.559E+02

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)
X	4	3	13	3	3	3	4	3	13	3	3	3
X MAXIMUM	1.753E+01	2.581E+01	2.335E+01	3.866E+01	7.430E+02	8.005E+02	1.753E+01	2.581E+01	2.335E+01	3.866E+01	1.002E+03	1.110E+03
Y	1	4	4	1	4	4	1	4	4	1	4	1
Y MAXIMUM	5.885E+01	3.725E+01	4.284E+01	2.104E+01	3.085E+02	3.450E+02	5.885E+01	3.725E+01	4.284E+01	2.104E+01	2.056E+02	1.677E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.216E+01	6.869E+01	7.467E+01	6.891E+01	1.010E+03	1.013E+03	9.216E+01	6.869E+01	7.467E+01	6.891E+01	1.331E+03	1.333E+03

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)
X	4	13	13	3	3	3	4	13	13	3	3	3
X MAXIMUM	1.599E+01	8.736E+00	1.208E+01	3.866E+01	1.002E+03	1.110E+03	1.599E+01	8.736E+00	1.208E+01	3.866E+01	1.027E+03	1.146E+03
Y	1	6	9	1	4	1	1	6	9	1	4	1
Y MAXIMUM	5.680E+01	2.886E+00	4.953E+00	2.104E+01	2.056E+02	1.677E+02	5.680E+01	2.886E+00	4.953E+00	2.104E+01	2.090E+02	1.777E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.704E+01	1.652E+01	2.199E+01	6.891E+01	1.331E+03	1.333E+03	8.704E+01	1.652E+01	2.199E+01	6.891E+01	1.145E+03	1.228E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	13	13	3	3	3	4	13	13	3	3	3
X MAXIMUM	1.394E+01	9.179E+00	1.168E+01	3.866E+01	1.027E+03	1.146E+03	1.394E+01	9.179E+00	1.168E+01	3.866E+01	9.950E+02	1.118E+03
Y	1	6	9	1	4	1	1	6	9	1	4	1
Y MAXIMUM	5.407E+01	2.348E+00	3.931E+00	2.104E+01	2.090E+02	1.777E+02	5.407E+01	2.348E+00	3.931E+00	2.104E+01	1.982E+02	1.807E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.053E+01	1.569E+01	1.979E+01	6.891E+01	1.145E+03	1.228E+03	8.053E+01	1.569E+01	1.979E+01	6.891E+01	1.098E+03	1.171E+03

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)
X	12	13	13	3	3	3	12	13	13	3	3	3
X MAXIMUM	1.293E+01	7.577E+00	8.369E+00	3.866E+01	9.950E+02	1.118E+03	1.293E+01	7.577E+00	8.369E+00	3.866E+01	8.722E+02	9.867E+02
Y	1	13	12	1	4	1	1	13	12	1	4	1
Y MAXIMUM	5.133E+01	1.734E+00	1.944E+00	2.104E+01	1.982E+02	1.807E+02	5.133E+01	1.734E+00	1.944E+00	2.104E+01	1.65E+02	1.767E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.450E+01	1.308E+01	1.482E+01	6.891E+01	1.098E+03	1.171E+03	7.450E+01	1.308E+01	1.482E+01	6.891E+01	1.069E+03	1.095E+03

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)
X	12	3	3	3	3	3	12	3	3	3	3	3
X MAXIMUM	1.505E+01	1.024E+01	9.328E+00	3.866E+01	8.722E+02	9.867E+02	1.505E+01	1.024E+01	9.328E+00	3.866E+01	6.483E+02	7.409E+02
Y	1	2	4	1	4	4	1	2	4	1	9	4
Y MAXIMUM	4.860E+01	1.152E+00	2.380E+00	2.104E+01	1.651E+02	1.767E+02	4.860E+01	1.152E+00	2.380E+00	2.104E+01	1.381E+02	1.544E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	6.907E+01	1.169E+01	1.219E+01	6.891E+01	1.069E+03	1.095E+03	6.907E+01	1.169E+01	1.219E+01	6.891E+01	9.066E+02	9.108E+02

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)
X	12	3	3	3	3	3	12	3	3	3	3	3
X MAXIMUM	1.717E+01	1.456E+01	1.313E+01	3.866E+01	6.483E+02	7.409E+02	1.717E+01	1.456E+01	1.313E+01	3.866E+01	3.332E+02	3.914E+02
Y	1	4	4	1	9	4	1	4	4	1	5	1
Y MAXIMUM	4.586E+01	2.011E+00	3.246E+00	2.104E+01	1.381E+02	1.544E+02	4.586E+01	2.011E+00	3.246E+00	2.104E+01	8.562E+01	1.175E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	6.437E+01	1.585E+01	1.800E+01	6.891E+01	9.066E+02	9.108E+02	6.437E+01	1.585E+01	1.800E+01	6.891E+01	5.723E+02	5.707E+02

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)
X	12	3	3	3	3	3	12	3	3	3	11	5
X MAXIMUM	1.928E+01	1.773E+01	1.590E+01	3.866E+01	3.332E+02	3.914E+02	1.928E+01	1.773E+01	1.590E+01	3.866E+01	3.029E+02	1.439E+02
Y	1	4	9	1	5	1	1	4	9	1	11	1
Y MAXIMUM	4.312E+01	2.841E+00	4.936E+00	2.104E+01	8.562E+01	1.175E+02	4.312E+01	2.841E+00	4.936E+00	2.104E+01	1.077E+02	7.407E+01
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	6.059E+01	2.203E+01	2.562E+01	6.891E+01	5.723E+02	5.707E+02	6.059E+01	2.203E+01	2.562E+01	6.891E+01	4.267E+02	2.307E+02

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)
X	12	3	3	3	11	5	12	3	3	3	11	3
X MAXIMUM	2.138E+01	1.935E+01	1.732E+01	3.866E+01	3.029E+02	1.439E+02	2.138E+01	1.935E+01	1.732E+01	3.866E+01	6.004E+02	4.986E+02
Y	1	4	9	1	11	1	1	4	9	1	11	2
Y MAXIMUM	4.038E+01	3.287E+00	5.880E+00	2.104E+01	1.077E+02	7.407E+01	4.038E+01	3.287E+00	5.880E+00	2.104E+01	2.134E+02	8.133E+01
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	5.790E+01	2.603E+01	3.028E+01	6.891E+01	4.267E+02	2.307E+02	5.790E+01	2.603E+01	3.028E+01	6.891E+01	9.758E+02	6.629E+02

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)
X	12	10	11	3	11	3	12	10	11	3	3	3
X MAXIMUM	2.373E+01	7.520E+00	2.113E+01	3.866E+01	6.004E+02	4.986E+02	2.373E+01	7.520E+00	2.113E+01	3.866E+01	4.304E+02	4.865E+02
Y	1	1	11	1	11	2	1	1	11	1	4	4
Y MAXIMUM	3.730E+01	3.373E+00	7.511E+00	2.104E+01	2.134E+02	8.133E+01	3.730E+01	3.373E+00	7.511E+00	2.104E+01	8.529E+01	9.285E+01
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	5.638E+01	1.337E+01	2.930E+01	6.891E+01	9.758E+02	6.629E+02	5.638E+01	1.337E+01	2.930E+01	6.891E+01	5.505E+02	5.607E+02

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)
X	13	10	11	3	3	3	13	10	11	3	11	3
X MAXIMUM	2.703E+01	5.232E+00	1.388E+01	3.866E+01	4.304E+02	4.865E+02	2.703E+01	5.232E+00	1.388E+01	3.866E+01	4.500E+02	4.317E+02
Y	1	1	11	1	4	4	1	1	11	1	11	1
Y MAXIMUM	3.387E+01	2.996E+00	4.934E+00	2.104E+01	8.529E+01	9.285E+01	3.387E+01	2.996E+00	4.934E+00	2.104E+01	1.599E+02	1.658E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	5.667E+01	1.011E+01	1.926E+01	6.891E+01	5.505E+02	5.607E+02	5.667E+01	1.011E+01	1.926E+01	6.891E+01	7.997E+02	6.096E+02

ELEMENT TYPE (3/D PIPE ) / / 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)
X	13	3	3	3	11	3	13	3	3	3	11	3
X MAXIMUM	3.075E+01	3.714E+00	3.837E+00	3.866E+01	4.500E+02	4.317E+02	3.075E+01	3.714E+00	3.837E+00	3.866E+01	5.095E+02	3.425E+02
Y	1	1	9	1	11	1	1	1	1	1	11	1
Y MAXIMUM	3.078E+01	2.403E+00	2.424E+00	2.104E+01	1.599E+02	1.658E+02	3.078E+01	2.403E+00	2.424E+00	2.104E+01	1.811E+02	2.235E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	5.869E+01	6.333E+00	7.367E+00	6.891E+01	7.997E+02	6.096E+02	5.869E+01	6.333E+00	7.367E+00	6.891E+01	8.122E+02	6.060E+02

ELEMENT TYPE (3/D PIPE ) / / 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)
X	13	3	11	3	11	3	13	3	11	3	5	5
X MAXIMUM	3.404E+01	5.348E+00	8.449E+00	3.866E+01	5.095E+02	3.425E+02	3.404E+01	5.348E+00	8.449E+00	3.866E+01	3.109E+02	2.376E+02
Y	1	1	11	1	11	1	1	1	11	1	9	1
Y MAXIMUM	2.804E+01	1.799E+00	3.003E+00	2.104E+01	1.811E+02	2.235E+02	2.804E+01	1.799E+00	3.003E+00	2.104E+01	1.223E+02	2.666E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	6.174E+01	7.372E+00	1.485E+01	6.891E+01	8.122E+02	6.060E+02	6.174E+01	7.372E+00	1.485E+01	6.891E+01	5.467E+02	5.137E+02

ELEMENT TYPE (3/D PIPE ) / / 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)
X	13	3	11	3	5	5	13	3	11	3	13	8
X MAXIMUM	3.732E+01	6.607E+00	1.726E+01	3.866E+01	3.109E+02	2.376E+02	3.732E+01	6.607E+00	1.726E+01	3.866E+01	2.008E+02	1.165E+02
Y	1	6	11	1	9	1	1	6	11	1	4	1
Y MAXIMUM	2.529E+01	1.943E+00	6.134E+00	2.104E+01	1.223E+02	2.666E+02	2.529E+01	1.943E+00	6.134E+00	2.104E+01	1.337E+02	2.967E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	6.581E+01	1.129E+01	2.545E+01	6.891E+01	5.467E+02	5.137E+02	6.581E+01	1.129E+01	2.545E+01	6.891E+01	4.296E+02	4.024E+02

ELEMENT TYPE (3/D PIPE ) / / 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)
X	13	3	11	3	13	8	13	3	11	3	11	10
X MAXIMUM	4.057E+01	7.287E+00	2.225E+01	3.866E+01	2.008E+02	1.165E+02	4.057E+01	7.287E+00	2.225E+01	3.866E+01	6.415E+02	1.580E+02
Y	4	6	11	1	4	1	4	6	11	1	11	1
Y MAXIMUM	3.129E+01	2.471E+00	7.909E+00	2.104E+01	1.337E+02	2.967E+02	3.129E+01	2.471E+00	7.909E+00	2.104E+01	2.280E+02	3.187E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.071E+01	1.401E+01	3.122E+01	6.891E+01	4.296E+02	4.024E+02	7.071E+01	1.401E+01	3.122E+01	6.891E+01	1.014E+03	4.696E+02

ELEMENT TYPE (3/D PIPE ) / / 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)
X	13	13	8	3	10	11	13	13	8	3	5	11
X MAXIMUM	4.033E+01	1.772E+01	7.751E+00	8.098E+01	1.523E+02	6.415E+02	4.033E+01	1.772E+01	7.751E+00	8.098E+01	1.687E+02	2.291E+02
Y	4	9	1	1	1	11	4	9	1	1	4	4
Y MAXIMUM	4.054E+01	5.531E+00	1.253E+01	1.013E+02	3.029E+02	2.280E+02	4.054E+01	5.531E+00	1.253E+01	1.013E+02	8.561E+01	1.006E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.771E+01	2.955E+01	1.925E+01	1.584E+02	4.474E+02	1.014E+03	7.771E+01	2.955E+01	1.925E+01	1.584E+02	2.582E+02	4.059E+02



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)
X	13	13	8	3	5	11	13	13	8	3	5	5
X MAXIMUM	4.420E+01	1.379E+01	5.452E+00	8.098E+01	1.687E+02	2.291E+02	4.420E+01	1.379E+01	5.452E+00	8.098E+01	2.448E+02	3.208E+02
Y	4	4	1	1	4	4	4	4	1	1	1	9
Y MAXIMUM	4.752E+01	4.805E+00	1.166E+01	1.013E+02	8.561E+01	1.006E+02	4.752E+01	4.805E+00	1.166E+01	1.013E+02	3.611E+02	1.720E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.414E+01	2.350E+01	1.605E+01	1.584E+02	2.582E+02	4.059E+02	8.414E+01	2.350E+01	1.605E+01	1.584E+02	6.040E+02	6.095E+02

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)
X	13	11	8	3	5	5	13	11	8	3	8	13
X MAXIMUM	4.805E+01	6.762E+00	1.483E+00	8.098E+01	2.448E+02	3.208E+02	4.805E+01	6.762E+00	1.483E+00	8.098E+01	2.612E+02	4.207E+02
Y	4	4	1	1	1	9	4	4	1	1	1	4
Y MAXIMUM	5.450E+01	6.503E+00	1.000E+01	1.013E+02	3.611E+02	1.720E+02	5.450E+01	6.503E+00	1.000E+01	1.013E+02	6.356E+02	2.098E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.104E+01	1.245E+01	1.185E+01	1.584E+02	6.040E+02	6.095E+02	9.104E+01	1.245E+01	1.185E+01	1.584E+02	8.765E+02	8.300E+02

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)
X	13	13	8	3	8	13	13	13	8	3	8	11
X MAXIMUM	5.186E+01	6.874E+00	2.966E+00	8.098E+01	2.612E+02	4.207E+02	5.186E+01	6.874E+00	2.966E+00	8.098E+01	1.798E+02	2.779E+02
Y	4	4	1	1	1	4	4	4	1	1	1	4
Y MAXIMUM	6.148E+01	7.541E+00	7.880E+00	1.013E+02	6.356E+02	2.098E+02	6.148E+01	7.541E+00	7.880E+00	1.013E+02	8.519E+02	4.167E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.830E+01	1.402E+01	1.068E+01	1.584E+02	8.765E+02	8.300E+02	9.830E+01	1.402E+01	1.068E+01	1.584E+02	1.039E+03	7.677E+02

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)
X	13	13	8	3	8	11	13	13	8	3	13	4
X MAXIMUM	5.564E+01	1.465E+01	6.481E+00	8.098E+01	1.798E+02	2.779E+02	5.564E+01	1.465E+01	6.481E+00	8.098E+01	1.067E+02	1.992E+02
Y	4	4	1	1	1	4	4	4	1	1	1	4
Y MAXIMUM	6.844E+01	8.337E+00	5.850E+00	1.013E+02	8.519E+02	4.167E+02	6.844E+01	8.337E+00	5.850E+00	1.013E+02	1.012E+03	6.456E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.058E+02	2.450E+01	1.271E+01	1.584E+02	1.039E+03	7.677E+02	1.058E+02	2.450E+01	1.271E+01	1.584E+02	1.170E+03	8.656E+02

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)
X	13	8	13	3	4	13	13	8	13	3	13	13
X MAXIMUM	4.865E+01	7.999E+00	3.727E+01	8.551E+01	1.992E+02	1.096E+02	4.865E+01	7.999E+00	3.727E+01	8.551E+01	1.064E+03	2.161E+02
Y	4	1	4	1	4	1	4	1	4	1	1	1
Y MAXIMUM	7.302E+01	4.736E+00	1.950E+01	4.774E+02	8.456E+02	8.986E+02	7.302E+01	4.736E+00	1.950E+01	4.774E+02	5.942E+02	1.012E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.038E+02	1.396E+01	5.330E+01	5.562E+02	8.656E+02	1.041E+03	1.038E+02	1.396E+01	5.330E+01	5.562E+02	1.536E+03	1.203E+03

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)
X	13	13	13	3	13	13	13	13	13	3	13	8
X MAXIMUM	5.052E+01	1.584E+01	5.467E+01	6.551E+01	1.064E+03	2.161E+02	5.052E+01	1.584E+01	5.467E+01	6.551E+01	4.084E+02	1.705E+02
Y	4	4	4	1	1	1	4	4	4	1	1	1
Y MAXIMUM	7.759E+01	2.812E+01	3.403E+01	4.774E+02	5.942E+02	1.012E+03	7.759E+01	2.812E+01	3.403E+01	4.774E+02	7.252E+02	6.806E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.089E+02	4.597E+01	8.846E+01	5.562E+02	1.536E+03	1.203E+03	1.089E+02	4.597E+01	8.846E+01	5.562E+02	1.149E+03	5.57E+02

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)
X	13	13	4	3	8	13	13	4	4	8	4	13
X MAXIMUM	5.505E+01	5.355E+01	4.457E+00	6.551E+01	1.643E+02	3.957E+02	7.679E+01	1.016E+01	4.457E+00	5.264E+01	1.644E+02	6.480E+02
Y	4	4	1	1	1	4	4	4	1	1	4	2
Y MAXIMUM	8.866E+01	4.212E+01	2.131E+01	4.774E+02	8.749E+02	6.017E+02	9.247E+01	3.291E+01	2.131E+01	6.566E+02	5.329E+02	1.150E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.217E+02	9.072E+01	3.001E+01	5.562E+02	9.892E+02	1.036E+03	1.460E+02	4.154E+01	3.001E+01	7.153E+02	8.060E+02	2.054E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	13	13	4	4	4	4
X MAXIMUM	5.355E+01	5.505E+01	4.457E+00	1.992E+02	2.473E+02	5.037E+02
Y	4	4	1	4	1	4
Y MAXIMUM	4.212E+01	8.866E+01	2.131E+01	6.456E+02	1.500E+03	1.632E+03
Z	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.072E+01	1.217E+02	3.001E+01	7.557E+02	1.948E+03	2.681E+03

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)
X	13	7	4	4	4	4	13	7	4	4	5	4
X MAXIMUM	3.909E+01	8.990E+00	1.138E+01	1.995E+02	2.473E+02	5.036E+02	3.909E+01	8.990E+00	1.138E+01	1.995E+02	1.260E+02	3.743E+02
Y	2	1	1	4	1	4	2	1	1	4	2	4
Y MAXIMUM	3.809E+01	3.820E+01	4.850E+01	6.464E+02	1.500E+03	1.632E+03	3.809E+01	3.820E+01	4.850E+01	6.464E+02	5.567E+02	1.213E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.526E+01	5.711E+01	6.385E+01	7.564E+02	1.948E+03	2.681E+03	7.526E+01	5.711E+01	6.385E+01	7.564E+02	7.546E+02	1.578E+03

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)
X	13	11	4	4	5	4	13	11	4	4	4	4
X MAXIMUM	3.304E+01	7.903E+00	1.138E+01	1.991E+02	1.260E+02	3.745E+02	3.304E+01	7.903E+00	1.138E+01	1.991E+02	2.502E+02	2.357E+02
Y	4	1	1	4	2	4	4	1	1	4	4	4
Y MAXIMUM	4.203E+01	3.619E+01	4.619E+01	6.453E+02	5.567E+02	1.214E+03	4.203E+01	3.619E+01	4.619E+01	6.453E+02	8.108E+02	7.638E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.308E+01	5.505E+01	6.169E+01	7.553E+02	7.546E+02	1.579E+03	7.308E+01	5.505E+01	6.169E+01	7.553E+02	1.089E+03	8.930E+02



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	13	4	13	4	4	4	13	13	13	4	4	4
X MAXIMUM	2.426E+01	1.068E+01	8.101E+00	1.992E+02	2.356E+02	2.502E+02	2.209E+01	1.002E+01	8.101E+00	1.135E+02	1.551E+02	3.980E+02
Y	4	1	1	4	4	4	4	1	1	2	1	1
Y MAXIMUM	4.911E+01	3.850E+01	3.005E+01	6.456E+02	7.635E+02	8.108E+02	5.908E+01	3.364E+01	3.005E+01	3.832E+02	9.536E+02	1.329E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.238E+01	5.347E+01	4.783E+01	7.557E+02	8.927E+02	1.089E+03	7.824E+01	4.446E+01	4.783E+01	5.693E+02	1.199E+03	1.906E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	13	13	2	7	4
X MAXIMUM	1.796E+01	1.835E+01	8.101E+00	9.696E+01	2.168E+02	3.849E+02
Y	4	2	1	1	1	1
Y MAXIMUM	5.820E+01	3.444E+01	3.005E+01	6.507E+02	1.415E+03	1.921E+03
Z	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.450E+01	5.048E+01	4.783E+01	9.529E+02	1.672E+03	2.452E+03

ELEMENT TYPE (3/D 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)
X	4	4	4	2	4	7	4	4	4	2	13	13
X MAXIMUM	1.823E+01	6.299E+00	8.626E+00	1.042E+02	3.849E+02	2.140E+02	1.823E+01	6.299E+00	8.626E+00	1.042E+02	4.317E+02	2.398E+02
Y	4	4	4	1	1	1	4	4	4	1	1	1
Y MAXIMUM	5.907E+01	2.041E+01	2.795E+01	7.438E+02	1.921E+03	1.369E+03	5.907E+01	2.041E+01	2.795E+01	7.438E+02	2.129E+03	1.698E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.326E+01	2.921E+01	4.078E+01	1.050E+03	2.452E+03	1.613E+03	7.326E+01	2.921E+01	4.078E+01	1.050E+03	2.744E+03	2.337E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 32)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	13	13	2	13	13	4	13	13	2	2	4
X MAXIMUM	1.997E+01	6.108E+00	1.227E+01	8.218E+01	4.317E+02	2.410E+02	1.997E+01	6.108E+00	1.227E+01	8.218E+01	2.910E+02	3.141E+02
Y	4	4	4	2	1	1	4	4	4	2	2	1
Y MAXIMUM	6.471E+01	9.278E+00	2.455E+01	5.463E+02	2.129E+03	1.976E+03	6.471E+01	9.278E+00	2.455E+01	5.463E+02	1.934E+03	1.699E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.019E+01	1.724E+01	3.400E+01	7.635E+02	2.744E+03	2.446E+03	8.019E+01	1.724E+01	3.400E+01	7.635E+02	2.709E+03	2.293E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	4	13	13	2	4	2	4	13	13	7	4	4
X MAXIMUM	2.027E+01	9.566E+00	4.921E+00	9.098E+01	3.112E+02	2.910E+02	2.161E+01	1.050E+01	4.921E+00	7.991E+01	2.947E+02	3.340E+02
Y	4	1	1	2	1	2	4	1	1	2	1	2
Y MAXIMUM	6.568E+01	2.724E+01	2.385E+01	6.048E+02	1.668E+03	1.934E+03	7.003E+01	2.497E+01	2.385E+01	3.337E+02	1.461E+03	1.804E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.352E+01	4.053E+01	3.039E+01	8.804E+02	2.251E+03	2.709E+03	8.648E+01	3.376E+01	3.039E+01	3.997E+02	2.043E+03	2.530E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	13	13	7	4	13
X MAXIMUM	2.138E+01	1.067E+01	4.921E+00	1.323E+02	2.567E+02	3.895E+02
Y	4	2	1	4	1	2
Y MAXIMUM	6.928E+01	2.700E+01	2.385E+01	3.132E+02	1.147E+03	1.523E+03
Z	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.412E+01	3.928E+01	3.039E+01	4.320E+02	1.699E+03	2.202E+03

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)
X	4	4	2	7	13	4	4	4	2	7	13	13
X MAXIMUM	2.139E+01	6.341E+00	6.281E+00	1.322E+02	3.895E+02	2.568E+02	2.139E+01	6.341E+00	6.281E+00	1.322E+02	2.902E+02	1.182E+02
Y	4	1	2	4	2	1	4	1	2	4	1	1
Y MAXIMUM	6.933E+01	3.986E+01	4.175E+01	3.126E+02	1.523E+03	1.147E+03	6.933E+01	3.986E+01	4.175E+01	3.126E+02	8.832E+02	9.131E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.417E+01	5.284E+01	5.879E+01	4.313E+02	2.202E+03	1.699E+03	8.417E+01	5.284E+01	5.879E+01	4.313E+02	1.169E+03	1.119E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 35)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	4	13	7	13	13	4	4	13	7	13	4
X MAXIMUM	2.140E+01	8.854E+00	1.774E+01	1.322E+02	2.902E+02	1.182E+02	2.140E+01	8.854E+00	1.774E+01	1.322E+02	6.320E+02	5.314E+02
Y	4	1	2	4	1	1	4	1	2	4	2	1
Y MAXIMUM	6.935E+01	4.764E+01	4.939E+01	3.126E+02	8.832E+02	9.131E+02	6.935E+01	4.764E+01	4.939E+01	3.126E+02	3.203E+03	3.390E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.420E+01	6.672E+01	7.427E+01	4.313E+02	1.169E+03	1.119E+03	8.420E+01	6.672E+01	7.427E+01	4.313E+02	4.724E+03	4.484E+03

# SUMMARY OF SUPPORT FORCES/MOMENTS IN GLOBAL/LOCAL SYSTEMS

BORY= BOUNDARY ELEMENTS (SPRING)  
 THAM= THERMAL ANCHOR MOTION  
 SEAM= SEISMIC ANCHOR MOTION  
 SHBR= SNUBBER ELEMENT

LOAD CASE		BENCHMARK PROBLEM 1 SRSS									
KIND OF SUPPORT	NODE NUMBER	FX	FY	FZ	GLOBAL COMPONENTS			MY	MZ	LOCAL COMPONENTS	
BORY	1	86.	0.	0.				0.	0.	86.	0
BORY	1	0.	93.	0.				0.	0.	93.	0
BORY	1	0.	0.	81.				0.	0.	81.	0
BORY	4	0.	202.	0.				0.	0.	02.	0
BORY	7	0.	0.	74.				0.	0.	74.	0
BORY	7	84.	0.	0.				0.	0.	84.	0
BORY	14	0.	0.	34.				0.	0.	34.	0
BORY	14	55.	0.	0.				0.	0.	55.	0
BORY	20	0.	0.	26.				0.	0.	26.	0
BORY	20	57.	0.	0.				0.	0.	57.	0
BORY	26	0.	0.	53.				0.	0.	53.	0
BORY	26	136.	0.	0.				0.	0.	136.	0
BORY	28	0.	152.	0.				0.	0.	152.	0
BORY	28	0.	0.	95.				0.	0.	95.	0
BORY	36	84.	0.	0.				0.	0.	84.	0
BORY	36	0.	67.	0.				0.	0.	67.	0
BORY	36	0.	0.	74.				0.	0.	74.	0

Problem 1c

Independent Support Motion Solution  
Absolute Group Combination

# COMBINATION OF INDIVIDUAL SUPPORT GROUP RESPONSES

KIND=1 SUPPORT COMBINATION AFTER SAP SUMMATION

KIND=1 SUPPORT COMBINATION DONE FIRST

GROUP COMBINATION TYPE=	2
ALGEBRAIC METHOD	= 1
ABSOLUTE METHOD	= 2
SRSS METHOD	= 3

NODE NUMBER	MODE NUMBER	D I S P L A C E M E N T S / R O T A T I O N S						A C C E L E R A T I O N S I N G ' S		
		X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION	X- DIRECTION	Y- DIRECTION	Z- DIRECTION
1	TOTAL..	5.82589E-06	6.38481E-06	5.45014E-06	0.	0.	0.			
2	TOTAL..	2.97191E-03	3.30369E-05	3.03425E-03	4.59065E-04	3.05023E-04	4.44843E-04			
3	TOTAL..	7.22777E-02	9.46601E-03	8.00472E-02	1.31018E-03	9.67535E-04	1.18835E-03			
4	TOTAL..	8.56329E-02	1.38887E-05	9.48087E-02	1.50933E-03	5.71720E-04	1.40449E-03			
5	TOTAL..	9.98314E-02	3.28633E-02	1.00506E-01	1.82709E-03	1.99169E-04	1.77848E-03			
6	TOTAL..	1.47061E-02	7.79335E-02	1.60283E-02	1.41141E-03	5.99656E-04	1.28802E-03			
7	TOTAL..	5.66475E-06	7.78223E-02	4.99712E-06	1.24656E-03	5.90045E-04	1.14017E-03			
8	TOTAL..	2.30003E-02	7.80092E-02	2.50229E-02	8.46996E-04	5.71906E-04	7.89772E-04			
9	TOTAL..	3.74496E-02	7.80543E-02	4.03769E-02	4.66565E-04	5.55328E-04	4.59666E-04			
10	TOTAL..	4.32025E-02	7.80951E-02	4.61673E-02	1.59868E-04	5.40454E-04	1.83379E-04			
11	TOTAL..	4.03797E-02	7.81317E-02	4.29139E-02	3.26362E-04	5.27429E-04	3.12660E-04			
12	TOTAL..	3.03190E-02	7.81640E-02	3.21879E-02	5.68392E-04	5.16392E-04	5.39252E-04			
13	TOTAL..	1.60021E-02	7.81920E-02	1.69630E-02	6.71043E-04	5.07474E-04	6.26698E-04			
14	TOTAL..	3.27278E-03	7.82158E-02	2.18084E-03	5.92810E-04	5.00787E-04	5.53815E-04			
15	TOTAL..	1.53937E-02	7.82394E-02	1.42271E-02	3.98724E-04	4.95701E-04	4.29149E-04			
16	TOTAL..	2.47542E-02	7.82565E-02	2.27072E-02	1.75696E-04	4.94353E-04	1.91252E-04			
17	TOTAL..	2.55839E-02	7.82653E-02	2.38773E-02	9.82127E-05	4.95988E-04	1.41066E-04			

18 TOTAL..	2.03715E-02	7.82698E-02	1.98708E-02	2.73346E-04	5.00013E-04	3.33320E-04
19 TOTAL..	1.13671E-02	7.82701E-02	1.13989E-02	4.27811E-04	5.06371E-04	4.13017E-04
20 TOTAL..	3.17014E-03	7.82562E-02	1.74097E-03	5.35398E-04	5.14974E-04	4.03826E-04
21 TOTAL..	1.20044E-02	7.72420E-02	1.80567E-02	5.74733E-04	4.72647E-04	4.67523E-04
22 TOTAL..	2.27322E-02	7.59174E-02	3.31817E-02	4.48969E-04	3.80708E-04	3.59994E-04
23 TOTAL..	2.80971E-02	7.45655E-02	4.12049E-02	2.17906E-04	3.19760E-04	1.71914E-04
24 TOTAL..	2.55849E-02	7.37425E-02	3.82634E-02	3.01085E-04	4.11188E-04	3.25462E-04
25 TOTAL..	1.55041E-02	7.46589E-02	2.19940E-02	7.08092E-04	6.28079E-04	5.60787E-04
26 TOTAL..	9.24886E-06	7.46295E-02	3.57856E-06	1.13864E-03	9.11190E-04	7.55408E-04
27 TOTAL..	1.00106E-02	7.46133E-02	1.49373E-02	1.32865E-03	1.05803E-03	9.22032E-04
28 TOTAL..	5.73745E-02	1.02198E-05	6.54150E-06	1.50778E-03	2.56944E-03	2.40871E-03
29 TOTAL..	4.99288E-02	5.26426E-02	5.93243E-02	1.42771E-03	3.05956E-03	2.74127E-03
30 TOTAL..	5.08216E-02	1.09841E-01	1.23915E-01	1.40957E-03	3.09134E-03	2.84469E-03
31 TOTAL..	4.43361E-02	2.11816E-01	2.32537E-01	1.52524E-03	2.29166E-03	2.12235E-03
32 TOTAL..	3.07111E-02	2.63393E-01	2.75874E-01	1.50145E-03	1.28838E-03	7.04425E-04
33 TOTAL..	1.21843E-02	2.60000E-01	2.65219E-01	1.22595E-03	1.52098E-03	1.40681E-03
34 TOTAL..	2.14193E-04	2.17322E-01	2.21456E-01	1.00867E-03	2.30141E-03	2.31398E-03
35 TOTAL..	1.10317E-04	8.06669E-02	8.39988E-02	5.05851E-04	2.64063E-03	2.56142E-03



36 TOTAL..	5.77921E-06	4.59056E-06	5.13029E-06	0.	0.	0.
37 TOTAL..	0.	0.	0.	0.	0.	0.
38 TOTAL..	0.	0.	0.	0.	0.	0.
39 TOTAL..	0.	0.	0.	0.	0.	0.
40 TOTAL..	0.	0.	0.	0.	0.	0.
41 TOTAL..	0.	0.	0.	0.	0.	0.
42 TOTAL..	0.	0.	0.	0.	0.	0.
43 TOTAL..	0.	0.	0.	0.	0.	0.
44 TOTAL..	0.	0.	0.	0.	0.	0.
45 TOTAL..	0.	0.	0.	0.	0.	0.
46 TOTAL..	0.	0.	0.	0.	0.	0.
47 TOTAL..	0.	0.	0.	0.	0.	0.
48 TOTAL..	0.	0.	0.	0.	0.	0.
49 TOTAL..	0.	0.	0.	0.	0.	0.
50 TOTAL..	0.	0.	0.	0.	0.	0.
51 TOTAL..	0.	0.	0.	0.	0.	0.
52 TOTAL..	0.	0.	0.	0.	0.	0.
53 TOTAL..	0.	0.	0.	0.	0.	0.

18 TOTAL..	2.03715E-02	7.82698E-02	1.98708E-02	2.73346E-04	5.00013E-04	3.33320E-04
19 TOTAL..	1.13671E-02	7.82701E-02	1.13989E-02	4.27811E-04	5.06371E-04	4.13017E-04
20 TOTAL..	3.17014E-03	7.82662E-02	1.74097E-03	5.35398E-04	5.14974E-04	4.03826E-04
21 TOTAL..	1.20044E-02	7.72420E-02	1.80567E-02	5.74733E-04	4.72647E-04	4.67523E-04
22 TOTAL..	2.27322E-02	7.59174E-02	3.31817E-02	4.48969E-04	3.80708E-04	3.59994E-04
23 TOTAL..	2.80971E-02	7.45655E-02	4.12049E-02	2.17906E-04	3.19760E-04	1.71914E-04
24 TOTAL..	2.55849E-02	7.37425E-02	3.82634E-02	3.01085E-04	4.11188E-04	3.25462E-04
25 TOTAL..	1.55041E-02	7.46589E-02	2.19940E-02	7.08092E-04	6.28079E-04	5.60787E-04
26 TOTAL..	9.24886E-06	7.46295E-02	3.57856E-06	1.13864E-03	9.11190E-04	7.55408E-04
27 TOTAL..	1.00106E-02	7.46135E-02	1.49373E-02	1.32865E-03	1.05803E-03	9.22032E-04
28 TOTAL..	5.73745E-02	1.02198E-05	6.54150E-06	1.50778E-03	2.56944E-03	2.40871E-03
29 TOTAL..	4.99288E-02	5.26426E-02	5.93243E-02	1.42771E-03	3.05956E-03	2.74127E-03
30 TOTAL..	5.08216E-02	1.09841E-01	1.23915E-01	1.40957E-03	3.09194E-03	2.84469E-03
31 TOTAL..	4.43361E-02	2.11816E-01	2.32537E-01	1.52524E-03	2.29166E-03	2.12235E-03
32 TOTAL..	3.07111E-02	2.63393E-01	2.75874E-01	1.50145E-03	1.28838E-03	7.04425E-04
33 TOTAL..	1.21843E-02	2.60000E-01	2.65219E-01	1.22595E-03	1.52098E-03	1.40681E-03
34 TOTAL..	2.14193E-04	2.17322E-01	2.21456E-01	1.00867E-03	2.30141E-03	2.31398E-03
35 TOTAL..	1.10317E-04	8.06669E-02	8.39988E-02	5.05851E-04	2.64063E-03	2.56142E-03

# RESPONSE SPECTRUM STRESS COMPONENTS (KIND = 2)

OR EACH ELEMENT, THE FOLLOWING INFORMATION IS PRINTED

1. FOR EACH EARTH QUAKE DIRECTION; THE NUMBER OF THE MODE WITH THE LARGEST STRESS.
  2. THE VALUE OF THAT STRESS.
  3. IF REQUESTED; THE MODE BY MODE STRESSER FOR EACH EARTH QUAKE DIRECTION.
  4. THE RESULTANT FOR EACH EARTH QUAKE DIRECTION.
  5. THE GRAND TOTAL OF THE THREE EARTH QUAKE DIRECTIONS.
- (NOTE THE X, Y, OR Z REFERS TO THE EARTH QUAKE DIRECTION.)

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 1 )												
	PX(I) 12	VY(I) 12	VZ(I) 12	TX(I) 3	MY(I) 3	MZ(I) 3	PX(J) 12	VY(J) 12	VZ(J) 12	TX(J) 3	MY(J) 3	MZ(J) 3
X MAXIMUM	2.446E+01	4.424E+01	4.809E+01	1.513E+03	2.317E+03	2.530E+03	2.446E+01	4.424E+01	4.809E+01	1.513E+03	1.889E+03	2.081E+03
Y MAXIMUM	8.437E+01	5.835E+01	6.111E+01	5.817E+01	1.217E+03	1.285E+03	8.437E+01	5.835E+01	6.111E+01	5.817E+01	5.275E+02	5.851E+02
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.277E+02	1.090E+02	1.165E+02	1.522E+03	3.503E+03	3.548E+03	1.277E+02	1.090E+02	1.165E+02	1.522E+03	2.316E+03	2.450E+03
ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 2 )												
	PX(I) 12	VY(I) 12	VZ(I) 3	TX(I) 3	MY(I) 3	MZ(I) 12	PX(C) 12	VY(C) 12	VZ(C) 3	TX(C) 3	MY(C) 3	MZ(C) 12
X MAXIMUM	2.445E+01	8.199E+01	5.094E+01	1.513E+03	2.810E+03	1.071E+03	8.112E+01	2.655E+01	5.094E+01	2.008E+02	1.328E+03	6.898E+02
Y MAXIMUM	8.436E+01	8.400E+01	2.461E+00	5.817E+01	1.114E+02	7.509E+02	1.190E+02	5.079E+00	2.461E+00	7.585E+00	3.639E+01	9.140E+02
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.277E+02	1.477E+02	5.191E+01	1.522E+03	2.836E+03	1.822E+03	1.816E+02	3.760E+01	5.191E+01	2.020E+02	1.331E+03	1.619E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 2 )

	PX(J) 12	VY(J) 12	VZ(J) 3	TX(J) 3	MY(J) 3	MZ(J) 13
X						
X MAXIMUM	6.199E+01	2.445E+01	5.094E+01	3.649E+02	9.319E+02	7.902E+02
Y						
Y MAXIMUM	8.400E+01	8.436E+01	2.461E+00	2.271E+01	5.997E+01	7.684E+02
Z						
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.477E+02	1.277E+02	5.191E+01	3.818E+02	9.875E+02	1.588E+03

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

	PX(I) 12	VY(I) 12	VZ(I) 3	TX(I) 3	MY(I) 3	MZ(I) 13	PX(J) 12	VY(J) 12	VZ(J) 3	TX(J) 3	MY(J) 3	MZ(J) 4
X												
X MAXIMUM	2.625E+01	3.935E+01	2.150E+01	3.649E+02	9.319E+02	7.902E+02	2.625E+01	3.935E+01	2.150E+01	3.649E+02	1.491E+03	6.763E+02
Y												
Y MAXIMUM	8.159E+01	8.338E+01	9.957E-01	2.296E+01	5.997E+01	7.684E+02	8.159E+01	8.338E+01	9.957E-01	2.296E+01	8.585E+01	2.935E+03
Z												
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.258E+02	1.329E+02	2.190E+01	3.818E+02	9.875E+02	1.588E+03	1.258E+02	1.329E+02	2.190E+01	3.818E+02	1.529E+03	4.353E+03

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

	PX(I) 4	VY(I) 13	VZ(I) 14	TX(I) 3	MY(I) 3	MZ(I) 4	PX(J) 4	VY(J) 13	VZ(J) 14	TX(J) 3	MY(J) 3	MZ(J) 13
X												
X MAXIMUM	1.851E+01	3.148E+01	3.991E+00	3.649E+02	1.491E+03	6.763E+02	1.851E+01	3.148E+01	3.991E+00	3.649E+02	1.581E+03	6.925E+02
Y												
Y MAXIMUM	8.035E+01	1.041E+02	5.182E-01	2.128E+01	8.585E+01	2.935E+03	8.035E+01	1.041E+02	5.182E-01	2.128E+01	9.165E+01	2.353E+02
Z												
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.211E+02	1.571E+02	6.075E+00	3.817E+02	1.529E+03	4.353E+03	1.211E+02	1.571E+02	6.075E+00	3.817E+02	1.608E+03	1.065E+03

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

	PX(I) 13	VY(I) 4	VZ(I) 3	TX(I) 3	MY(I) 3	MZ(I) 13	PX(C) 13	VY(C) 13	VZ(C) 3	TX(C) 3	MY(C) 3	MZ(C) 13
X												
X MAXIMUM	3.771E+01	2.213E+01	3.387E+01	3.649E+02	1.581E+03	6.925E+02	3.611E+01	1.722E+01	3.387E+01	3.839E+02	2.265E+02	6.156E+02
Y												
Y MAXIMUM	7.791E+01	9.607E+01	1.398E+00	2.143E+01	9.165E+01	2.352E+02	1.230E+02	1.284E+01	1.398E+00	4.966E+01	1.803E+01	1.936E+03
Z												
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.272E+02	1.451E+02	3.454E+01	3.817E+02	1.608E+03	1.065E+03	1.905E+02	3.097E+01	3.454E+01	4.212E+02	2.517E+02	2.986E+03

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

	PX(J) 4	VY(J) 13	VZ(J) 3	TX(J) 3	MY(J) 3	MZ(J) 13
X						
X MAXIMUM	2.213E+01	3.771E+01	3.387E+01	4.464E+01	1.261E+03	4.767E+02
Y						
Y MAXIMUM	9.607E+01	7.791E+01	1.398E+00	2.918E+01	8.446E+01	6.418E+02
Z						
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.451E+02	1.272E+02	3.454E+01	8.623E+01	1.324E+03	1.167E+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)
X	4	3	13	3	3	3	4	3	13	3	3	3
X MAXIMUM	1.825E+01	2.981E+01	3.192E+01	4.465E+01	8.580E+02	9.244E+02	1.825E+01	2.981E+01	3.192E+01	4.465E+01	1.157E+03	1.282E+03
Y	1	4	4	1	4	4	1	4	4	1	4	1
Y MAXIMUM	8.164E+01	5.196E+01	5.976E+01	2.918E+01	4.304E+02	4.812E+02	8.164E+01	5.196E+01	5.976E+01	2.918E+01	2.868E+02	2.327E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.271E+02	9.253E+01	1.015E+02	8.623E+01	1.249E+03	1.247E+03	1.271E+02	9.253E+01	1.015E+02	8.623E+01	1.646E+03	1.623E+03

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)
X	4	13	13	3	3	3	4	13	13	3	3	3
X MAXIMUM	1.665E+01	1.194E+01	1.652E+01	4.465E+01	1.157E+03	1.282E+03	1.665E+01	1.194E+01	1.652E+01	4.465E+01	1.186E+03	1.324E+03
Y	1	6	9	1	4	1	1	6	9	1	4	1
Y MAXIMUM	7.880E+01	3.481E+00	5.852E+00	2.918E+01	2.868E+02	2.327E+02	7.880E+01	3.481E+00	5.852E+00	2.918E+01	2.916E+02	2.465E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.201E+02	2.155E+01	2.740E+01	8.623E+01	1.346E+03	1.623E+03	1.201E+02	2.155E+01	2.740E+01	8.623E+01	1.371E+03	1.455E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	13	13	3	3	3	12	13	13	3	3	3
X MAXIMUM	1.523E+01	1.254E+01	1.596E+01	4.465E+01	1.186E+03	1.324E+03	1.523E+01	1.254E+01	1.596E+01	4.465E+01	1.149E+03	1.291E+03
Y	1	6	9	1	4	1	1	6	9	1	4	1
Y MAXIMUM	7.501E+01	3.043E+00	4.645E+00	2.918E+01	2.916E+02	2.465E+02	7.501E+01	3.043E+00	4.645E+00	2.918E+01	2.764E+02	2.508E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.112E+02	2.065E+01	2.525E+01	8.623E+01	1.371E+03	1.455E+03	1.112E+02	2.065E+01	2.525E+01	8.623E+01	1.282E+03	1.371E+03

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)
X	12	13	13	3	3	3	12	13	13	3	3	3
X MAXIMUM	1.823E+01	1.036E+01	1.144E+01	4.465E+01	1.149E+03	1.291E+03	1.823E+01	1.036E+01	1.144E+01	4.465E+01	1.007E+03	1.139E+03
Y	1	13	13	1	4	1	1	13	13	1	4	1
Y MAXIMUM	7.122E+01	2.142E+00	2.366E+00	2.918E+01	2.764E+02	2.508E+02	7.122E+01	2.142E+00	2.366E+00	2.918E+01	2.303E+02	2.465E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.029E+02	1.698E+01	1.925E+01	8.623E+01	1.282E+03	1.371E+03	1.029E+02	1.698E+01	1.925E+01	8.623E+01	1.257E+03	1.294E+03

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)
X	12	3	3	3	3	3	12	3	3	3	3	3
X MAXIMUM	2.123E+01	1.183E+01	1.077E+01	4.465E+01	1.007E+03	1.139E+03	2.123E+01	1.183E+01	1.077E+01	4.465E+01	7.487E+02	8.556E+02
Y	1	2	4	1	4	4	1	2	4	1	9	4
Y MAXIMUM	6.742E+01	1.612E+00	3.320E+00	2.918E+01	2.303E+02	2.465E+02	6.742E+01	1.612E+00	3.320E+00	2.918E+01	1.632E+02	2.154E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.540E+01	1.404E+01	1.459E+01	8.623E+01	1.257E+03	1.294E+03	9.540E+01	1.404E+01	1.459E+01	8.623E+01	1.088E+03	1.094E+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)
X	12	3	3	3	3	3	12	3	3	3	3	3
X MAXIMUM	2.421E+01	1.682E+01	1.516E+01	4.465E+01	7.487E+02	8.556E+02	2.421E+01	1.682E+01	1.516E+01	4.465E+01	3.847E+02	4.520E+02
Y	1	4	4	1	9	4	1	4	4	1	5	1
Y MAXIMUM	6.362E+01	2.806E+00	4.527E+00	2.918E+01	1.632E+02	2.154E+02	6.362E+01	2.806E+00	4.527E+00	2.918E+01	9.197E+01	1.631E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.888E+01	1.882E+01	2.083E+01	8.623E+01	1.088E+03	1.094E+03	8.888E+01	1.882E+01	2.083E+01	8.623E+01	6.955E+02	6.939E+02

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)
X	12	3	3	3	3	3	12	3	3	3	11	5
X MAXIMUM	2.719E+01	2.047E+01	1.836E+01	4.465E+01	3.847E+02	4.520E+02	2.719E+01	2.047E+01	1.836E+01	4.465E+01	3.041E+02	1.595E+02
Y	1	4	9	1	5	1	1	4	9	1	11	1
Y MAXIMUM	5.982E+01	3.964E+00	5.832E+00	2.918E+01	9.197E+01	1.631E+02	5.982E+01	3.964E+00	5.832E+00	2.918E+01	1.149E+02	1.028E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.359E+01	2.695E+01	3.057E+01	8.623E+01	6.955E+02	6.939E+02	8.359E+01	2.695E+01	3.057E+01	8.623E+01	4.733E+02	2.870E+02

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)
X	12	3	3	3	11	5	12	3	3	3	13	3
X MAXIMUM	3.015E+01	2.235E+01	2.000E+01	4.465E+01	3.041E+02	1.595E+02	3.015E+01	2.235E+01	2.000E+01	4.465E+01	6.182E+02	5.757E+02
Y	1	4	9	1	11	1	1	4	9	1	9	2
Y MAXIMUM	5.602E+01	4.585E+00	6.947E+00	2.918E+01	1.149E+02	1.028E+02	5.602E+01	4.585E+00	6.947E+00	2.918E+01	2.315E+02	1.138E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.976E+01	3.228E+01	3.670E+01	8.623E+01	4.733E+02	2.870E+02	7.976E+01	3.228E+01	3.870E+01	8.623E+01	1.135E+03	8.288E+02

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)
X	12	10	11	3	13	3	12	10	11	3	3	3
X MAXIMUM	3.346E+01	1.030E+01	2.122E+01	4.465E+01	6.182E+02	5.757E+02	3.346E+01	1.030E+01	2.122E+01	4.465E+01	4.970E+02	5.618E+02
Y	1	1	11	1	9	2	1	1	11	1	4	4
Y MAXIMUM	5.174E+01	4.679E+00	8.014E+00	2.918E+01	2.315E+02	1.138E+02	5.174E+01	4.679E+00	8.014E+00	2.918E+01	1.190E+02	1.295E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.746E+01	1.744E+01	3.339E+01	8.623E+01	1.135E+03	8.288E+02	7.746E+01	1.744E+01	3.339E+01	8.623E+01	6.568E+02	6.619E+02

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)
X	12	10	11	3	3	3	12	10	11	3	11	3
X MAXIMUM	3.711E+01	7.163E+00	1.394E+01	4.465E+01	4.970E+02	5.618E+02	3.711E+01	7.163E+00	1.394E+01	4.465E+01	4.518E+02	4.985E+02
Y	1	1	11	1	4	4	1	1	11	1	11	1
Y MAXIMUM	4.699E+01	4.157E+00	5.265E+00	2.918E+01	1.190E+02	1.295E+02	4.699E+01	4.157E+00	5.265E+00	2.918E+01	1.707E+02	2.300E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	7.760E+01	1.333E+01	2.181E+01	8.623E+01	6.568E+02	6.619E+02	7.760E+01	1.333E+01	2.181E+01	8.623E+01	9.135E+02	7.289E+02



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)
X	13	3	3	3	11	3	13	3	3	3	11	3
X MAXIMUM	4.203E+01	4.289E+00	4.431E+00	4.465E+01	4.518E+02	4.985E+02	4.203E+01	4.289E+00	4.431E+00	4.465E+01	5.115E+02	3.956E+02
Y	1	1	4	1	11	1	1	1	1	1	11	1
Y MAXIMUM	4.270E+01	3.333E+00	3.234E+00	2.918E+01	1.707E+02	2.300E+02	4.270E+01	3.333E+00	3.234E+00	2.918E+01	1.932E+02	3.100E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.013E+01	8.212E+00	9.117E+00	8.623E+01	9.135E+02	7.289E+02	8.013E+01	8.212E+00	9.117E+00	8.623E+01	9.115E+02	7.451E+02

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)
X	13	3	13	3	11	3	13	3	13	3	5	5
X MAXIMUM	4.653E+01	6.176E+00	1.006E+01	4.465E+01	5.115E+02	3.956E+02	4.653E+01	6.176E+00	1.006E+01	4.465E+01	3.447E+02	2.634E+02
Y	1	1	11	1	11	1	1	1	11	1	2	1
Y MAXIMUM	3.889E+01	2.496E+00	3.204E+00	2.918E+01	1.932E+02	3.100E+02	3.889E+01	2.496E+00	3.204E+00	2.918E+01	1.491E+02	3.699E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.412E+01	8.992E+00	1.794E+01	8.623E+01	9.115E+02	7.451E+02	8.412E+01	8.992E+00	1.794E+01	8.623E+01	6.142E+02	6.542E+02

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)
X	13	3	13	3	5	5	13	3	13	3	13	8
X MAXIMUM	5.100E+01	7.630E+00	1.754E+01	4.465E+01	3.447E+02	2.634E+02	5.100E+01	7.630E+00	1.754E+01	4.465E+01	2.744E+02	1.566E+02
Y	1	6	11	1	2	1	1	6	11	1	4	1
Y MAXIMUM	3.508E+01	2.518E+00	6.545E+00	2.918E+01	1.491E+02	3.699E+02	3.508E+01	2.518E+00	6.545E+00	2.918E+01	1.865E+02	4.116E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	8.952E+01	1.390E+01	2.956E+01	8.623E+01	6.142E+02	6.542E+02	8.952E+01	1.390E+01	2.956E+01	8.623E+01	5.552E+02	5.438E+02

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)
X	13	10	11	3	13	8	13	10	11	3	13	10
X MAXIMUM	5.545E+01	9.590E+00	2.234E+01	4.465E+01	2.744E+02	1.566E+02	5.545E+01	9.590E+00	2.234E+01	4.465E+01	7.708E+02	2.163E+02
Y	4	6	11	1	4	1	4	6	11	1	11	1
Y MAXIMUM	4.365E+01	3.202E+00	8.439E+00	2.918E+01	1.865E+02	4.116E+02	4.365E+01	3.202E+00	8.439E+00	2.918E+01	2.433E+02	4.421E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.607E+01	1.742E+01	3.565E+01	8.623E+01	5.552E+02	5.438E+02	9.607E+01	1.742E+01	3.565E+01	8.623E+01	1.228E+03	6.387E+02

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)
X	13	13	8	3	10	13	13	13	8	3	5	5
X MAXIMUM	5.511E+01	2.422E+01	1.042E+01	9.351E+01	2.085E+02	7.708E+02	5.511E+01	2.422E+01	1.042E+01	9.351E+01	1.870E+02	2.328E+02
Y	4	2	1	1	1	11	4	2	1	1	4	4
Y MAXIMUM	5.655E+01	7.046E+00	1.739E+01	1.405E+02	4.202E+02	2.433E+02	5.655E+01	7.046E+00	1.739E+01	1.405E+02	1.194E+02	1.403E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.042E+02	3.696E+01	2.612E+01	2.094E+02	6.095E+02	1.228E+03	1.042E+02	3.696E+01	2.612E+01	2.094E+02	3.110E+02	4.575E+02



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)
X	13	13	8	3	5	5	13	13	8	3	8	13
X MAXIMUM	6.041E+01	1.885E+01	7.327E+00	9.351E+01	1.870E+02	2.328E+02	6.041E+01	1.885E+01	7.327E+00	9.351E+01	2.963E+02	4.113E+02
Y	4	4	1	1	4	4	4	4	1	1	1	9
Y MAXIMUM	6.629E+01	6.703E+00	1.617E+01	1.405E+02	1.194E+02	1.403E+02	6.629E+01	6.703E+00	1.617E+01	1.405E+02	5.010E+02	2.032E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.131E+02	2.948E+01	2.196E+01	2.094E+02	3.110E+02	4.575E+02	1.131E+02	2.948E+01	2.196E+01	2.094E+02	7.969E+02	7.617E+02

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)
X	13	11	10	3	8	13	13	11	10	3	8	13
X MAXIMUM	6.567E+01	6.788E+00	2.013E+00	9.351E+01	2.963E+02	4.113E+02	6.567E+01	6.788E+00	2.013E+00	9.351E+01	3.510E+02	5.749E+02
Y	4	4	1	1	1	9	4	4	1	1	1	4
Y MAXIMUM	7.602E+01	9.071E+00	1.388E+01	1.405E+02	5.010E+02	2.032E+02	7.602E+01	9.071E+00	1.388E+01	1.405E+02	8.818E+02	2.926E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.226E+02	1.567E+01	1.640E+01	2.094E+02	7.969E+02	7.517E+02	1.226E+02	1.567E+01	1.640E+01	2.094E+02	1.186E+03	1.050E+03

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)
X	13	13	8	3	8	13	13	13	8	3	8	13
X MAXIMUM	7.088E+01	9.394E+00	3.986E+00	9.351E+01	3.510E+02	5.749E+02	7.088E+01	9.394E+00	3.986E+00	9.351E+01	2.416E+02	3.171E+02
Y	4	4	1	1	1	4	4	4	1	1	1	4
Y MAXIMUM	8.575E+01	1.052E+01	1.093E+01	1.405E+02	8.818E+02	2.926E+02	8.575E+01	1.052E+01	1.093E+01	1.405E+02	1.182E+03	5.813E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.326E+02	1.870E+01	1.448E+01	2.094E+02	1.186E+03	1.050E+03	1.326E+02	1.870E+01	1.448E+01	2.094E+02	1.429E+03	9.939E+02

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)
X	13	13	8	3	8	13	13	13	8	3	13	13
X MAXIMUM	7.604E+01	2.002E+01	8.710E+00	9.351E+01	2.416E+02	3.171E+02	7.604E+01	2.002E+01	8.710E+00	9.351E+01	1.458E+02	2.323E+02
Y	4	4	1	1	1	4	4	4	1	1	1	4
Y MAXIMUM	9.547E+01	1.163E+01	8.115E+00	1.405E+02	1.182E+03	5.813E+02	9.547E+01	1.163E+01	8.115E+00	1.405E+02	1.405E+03	9.005E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.430E+02	3.187E+01	1.671E+01	2.094E+02	1.429E+03	9.939E+02	1.430E+02	3.187E+01	1.671E+01	2.094E+02	1.621E+03	1.184E+03

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)
X	13	8	13	3	13	13	13	8	13	3	13	13
X MAXIMUM	6.648E+01	1.075E+01	5.093E+01	7.566E+01	2.323E+02	1.498E+02	6.648E+01	1.075E+01	5.093E+01	7.566E+01	1.455E+03	2.953E+02
Y	4	1	4	1	4	1	4	1	4	1	1	1
Y MAXIMUM	1.019E+02	6.570E+00	2.720E+01	6.622E+02	9.005E+02	1.247E+03	1.019E+02	6.570E+00	2.720E+01	6.622E+02	8.243E+02	1.404E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.396E+02	1.819E+01	7.264E+01	7.691E+02	1.184E+03	1.442E+03	1.396E+02	1.819E+01	7.264E+01	7.691E+02	2.099E+03	1.661E+03

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)
X	13	13	13	3	13	13	13	13	13	3	13	8
X MAXIMUM	6.905E+01	2.165E+01	7.471E+01	7.566E+01	1.455E+03	2.953E+02	6.905E+01	2.165E+01	7.471E+01	7.566E+01	5.582E+02	2.292E+02
Y	4	4	4	1	1	1	4	4	4	1	1	1
Y MAXIMUM	1.082E+02	3.923E+01	4.747E+01	6.622E+02	8.243E+02	1.404E+03	1.082E+02	3.923E+01	4.747E+01	6.622E+02	1.006E+03	9.441E+02
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.465E+02	6.293E+01	1.198E+02	7.691E+02	2.099E+03	1.661E+03	1.465E+02	6.293E+01	1.198E+02	7.691E+02	1.558E+03	1.181E+03

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)
X	13	13	4	3	8	13	13	4	4	8	4	13
X MAXIMUM	7.524E+01	7.319E+01	4.642E+00	7.566E+01	2.208E+02	5.408E+02	1.050E+02	1.058E+01	4.642E+00	7.075E+01	1.713E+02	8.857E+02
Y	4	4	1	1	1	4	4	1	1	1	4	2
Y MAXIMUM	1.237E+02	5.875E+01	2.957E+01	6.622E+02	1.214E+03	8.393E+02	1.290E+02	4.591E+01	2.957E+01	9.109E+02	7.433E+02	1.609E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.639E+02	1.233E+02	4.134E+01	7.691E+02	1.365E+03	1.399E+03	1.972E+02	5.612E+01	4.134E+01	9.899E+02	1.110E+03	2.809E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	13	13	4	4	4	13
X MAXIMUM	7.319E+01	7.524E+01	4.642E+00	2.075E+02	2.575E+02	6.390E+02
Y	4	4	1	4	1	4
Y MAXIMUM	5.875E+01	1.237E+02	2.957E+01	9.006E+02	2.081E+03	2.277E+03
Z	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.233E+02	1.639E+02	4.134E+01	1.034E+03	2.692E+03	3.666E+03

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)
X	13	7	4	4	4	13	13	7	4	4	13	13
X MAXIMUM	5.342E+01	1.205E+01	1.186E+01	2.077E+02	2.575E+02	6.390E+02	5.342E+01	1.205E+01	1.186E+01	2.077E+02	1.604E+02	4.478E+02
Y	2	1	1	4	1	4	2	1	1	4	2	4
Y MAXIMUM	5.329E+01	5.299E+01	6.728E+01	9.016E+02	2.081E+03	2.277E+03	5.329E+01	5.299E+01	6.728E+01	9.016E+02	7.789E+02	1.692E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.029E+02	7.837E+01	8.804E+01	1.035E+03	2.692E+03	3.665E+03	1.029E+02	7.837E+01	8.804E+01	1.035E+03	1.040E+03	2.152E+03

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)
X	13	13	4	4	13	13	13	13	4	4	4	4
X MAXIMUM	4.516E+01	1.052E+01	1.185E+01	2.074E+02	1.604E+02	4.478E+02	4.516E+01	1.052E+01	1.185E+01	2.074E+02	2.606E+02	2.455E+02
Y	4	1	1	4	2	4	4	1	1	4	4	4
Y MAXIMUM	5.863E+01	5.020E+01	6.408E+01	9.001E+02	7.789E+02	1.693E+03	5.863E+01	5.020E+01	6.408E+01	9.001E+02	1.131E+03	1.065E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.001E+02	7.558E+01	8.504E+01	1.033E+03	1.040E+03	2.153E+03	1.001E+02	7.558E+01	8.504E+01	1.033E+03	1.491E+03	1.220E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	13	4	13	4	4	4	13	13	13	4	7	4
X MAXIMUM	3.316E+01	1.112E+01	1.107E+01	2.075E+02	2.454E+02	2.606E+02	3.020E+01	1.370E+01	1.107E+01	1.182E+02	2.003E+02	4.145E+02
Y	4	1	1	4	4	4	4	1	1	2	1	1
Y MAXIMUM	6.850E+01	5.341E+01	4.169E+01	9.006E+02	1.065E+03	1.131E+03	8.241E+01	4.668E+01	4.169E+01	5.362E+02	1.323E+03	1.843E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	9.939E+01	7.365E+01	6.581E+01	1.034E+03	1.220E+03	1.491E+03	1.074E+02	6.148E+01	6.581E+01	7.839E+02	1.654E+03	2.622E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	13	13	13	2	7	4
X MAXIMUM	2.169E+01	2.508E+01	1.107E+01	1.019E+02	2.907E+02	4.008E+02
Y	4	2	1	1	1	1
Y MAXIMUM	8.118E+01	4.818E+01	4.169E+01	9.027E+02	1.963E+03	2.666E+03
Z	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.022E+02	6.965E+01	6.581E+01	1.322E+03	2.306E+03	3.381E+03

ELEMENT TYPE (3/D 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)
X	4	4	4	2	4	7	4	4	4	2	13	13
X MAXIMUM	1.899E+01	6.559E+00	8.983E+00	1.095E+02	4.008E+02	2.869E+02	1.899E+01	6.559E+00	8.983E+00	1.095E+02	5.901E+02	3.277E+02
Y	4	4	4	1	1	1	4	4	4	1	1	1
Y MAXIMUM	8.240E+01	2.847E+01	3.899E+01	1.032E+03	2.666E+03	1.899E+03	8.240E+01	2.847E+01	3.899E+01	1.032E+03	2.954E+03	2.633E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.006E+02	4.000E+01	5.613E+01	1.457E+03	3.381E+03	2.223E+03	1.006E+02	4.000E+01	5.613E+01	1.457E+03	3.804E+03	3.233E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 32)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	13	13	2	13	13	4	13	13	2	2	4
X MAXIMUM	2.080E+01	8.348E+00	1.677E+01	8.635E+01	5.901E+02	3.294E+02	2.080E+01	8.348E+00	1.677E+01	8.635E+01	3.057E+02	3.271E+02
Y	4	4	4	2	1	1	4	4	4	2	2	1
Y MAXIMUM	9.026E+01	1.294E+01	3.425E+01	7.644E+02	2.954E+03	2.741E+03	9.026E+01	1.294E+01	3.425E+01	7.644E+02	2.706E+03	2.357E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.102E+02	2.270E+01	4.635E+01	1.060E+03	3.804E+03	3.384E+03	1.102E+02	2.270E+01	4.635E+01	1.060E+03	3.756E+03	3.169E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	4	13	13	2	4	2	4	13	13	7	4	4
X MAXIMUM	2.111E+01	1.307E+01	6.725E+00	9.560E+01	3.241E+02	3.057E+02	2.251E+01	1.435E+01	6.725E+00	1.071E+02	3.069E+02	3.478E+02
Y	4	1	1	2	1	2	4	1	1	2	1	2
Y MAXIMUM	9.161E+01	3.779E+01	3.309E+01	8.462E+02	2.314E+03	2.706E+03	9.768E+01	3.463E+01	3.309E+01	4.669E+02	2.027E+03	2.524E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.148E+02	5.563E+01	4.182E+01	1.222E+03	3.111E+03	3.756E+03	1.188E+02	4.655E+01	4.182E+01	5.519E+02	2.821E+03	3.502E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	13	13	7	4	13
X MAXIMUM	2.227E+01	1.459E+01	6.725E+00	1.774E+02	2.673E+02	5.324E+02
Y	4	2	1	4	1	2
Y MAXIMUM	9.664E+01	3.777E+01	3.309E+01	4.369E+02	1.591E+03	2.131E+03
Z	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.155E+02	5.427E+01	4.182E+01	5.835E+02	2.340E+03	3.041E+03

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)
X	4	4	2	7	13	4	4	4	2	7	13	13
X MAXIMUM	2.228E+01	6.604E+00	6.600E+00	1.772E+02	5.324E+02	2.674E+02	2.228E+01	6.604E+00	6.600E+00	1.772E+02	3.966E+02	1.615E+02
Y	4	1	2	4	2	1	4	1	2	4	1	1
Y MAXIMUM	9.670E+01	5.530E+01	5.842E+01	4.361E+02	2.131E+03	1.592E+03	9.670E+01	5.530E+01	5.842E+01	4.361E+02	1.225E+03	1.267E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.155E+02	7.310E+01	8.152E+01	5.825E+02	3.041E+03	2.340E+03	1.155E+02	7.310E+01	8.152E+01	5.825E+02	1.615E+03	1.544E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 35)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	13	13	7	13	13	4	13	13	7	13	4
X MAXIMUM	2.229E+01	1.006E+01	2.424E+01	1.772E+02	3.966E+02	1.615E+02	2.229E+01	1.006E+01	2.424E+01	1.772E+02	8.638E+02	5.534E+02
Y	4	1	2	4	1	1	4	1	2	4	2	1
Y MAXIMUM	9.674E+01	6.609E+01	6.910E+01	4.361E+02	1.225E+03	1.267E+03	9.674E+01	6.609E+01	6.910E+01	4.361E+02	4.482E+03	4.703E+03
Z	0	0	0	0	0	0	0	0	0	0	0	0
Z MAXIMUM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GRAND TOTAL	1.156E+02	9.181E+01	1.026E+02	5.825E+02	1.615E+03	1.544E+03	1.156E+02	9.181E+01	1.026E+02	5.825E+02	6.548E+03	6.198E+03

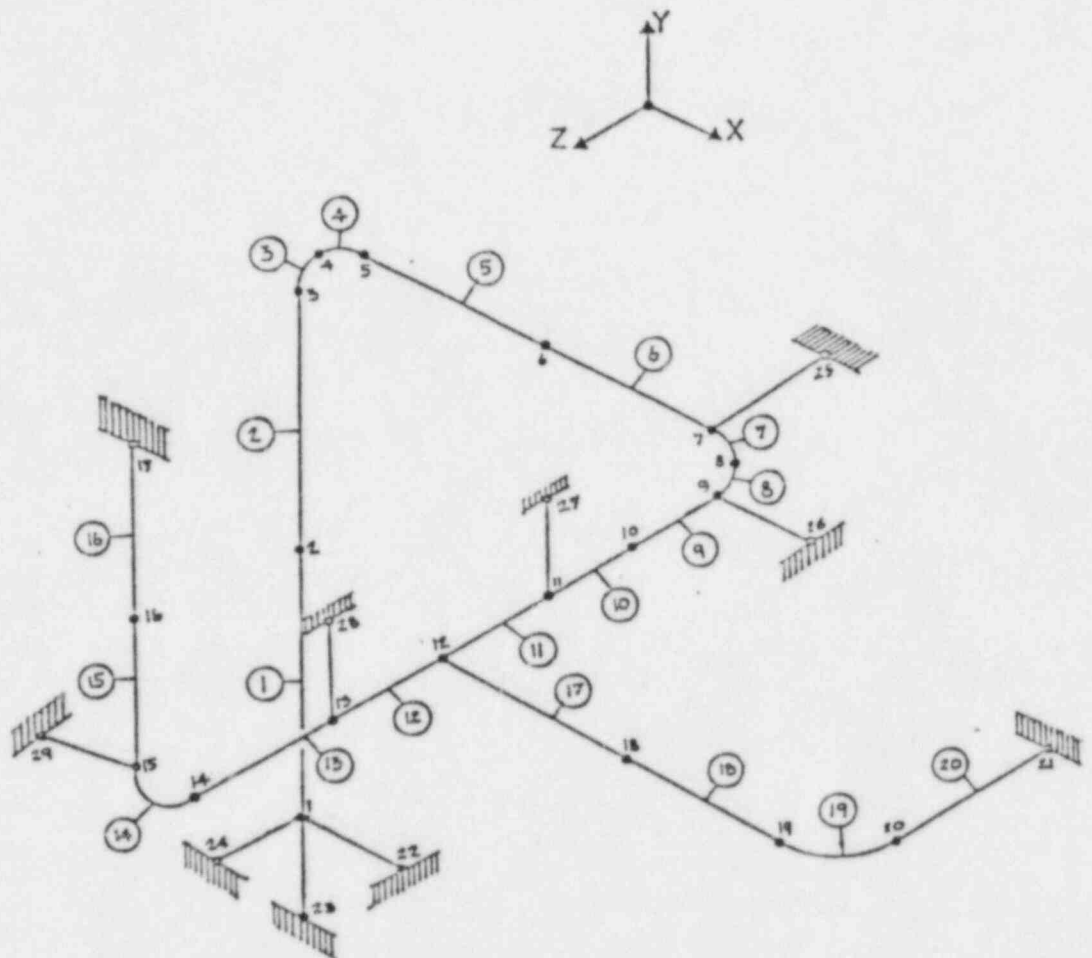
# SUMMARY OF SUPPORT FORCES/MOMENTS IN GLOBAL/LOCAL SYSTEMS

BDRY= BOUNDARY ELEMENTS (SPRING)  
 THAM= THERMAL ANCHOR MOTION  
 SEAM= SEISMIC ANCHOR MOTION  
 SNBR= SNUBBER ELEMENT

LOAD CASE 1 BENCHMARK PROBLEM 1 ABSOLUTE

KIND OF SUPPORT	NODE NUMBER	GLOBAL COMPONENTS						LOCAL COMPONENTS	
		FX	FY	FZ	MX	MY	MZ	FL	ML
BDRY	1	117.	0.	0.	0.	0.	0.	117.	0.
BDRY	1	0.	128.	0.	0.	0.	0.	128.	0.
BDRY	1	0.	0.	109.	0.	0.	0.	109.	0.
BDRY	4	0.	278.	0.	0.	0.	0.	278.	0.
BDRY	7	0.	0.	100.	0.	0.	0.	100.	0.
BDRY	7	113.	0.	0.	0.	0.	0.	113.	0.
BDRY	14	0.	0.	44.	0.	0.	0.	44.	0.
BDRY	14	65.	0.	0.	0.	0.	0.	65.	0.
BDRY	20	0.	0.	35.	0.	0.	0.	35.	0.
BDRY	20	63.	0.	0.	0.	0.	0.	63.	0.
BDRY	26	0.	0.	72.	0.	0.	0.	72.	0.
BDRY	26	185.	0.	0.	0.	0.	0.	185.	0.
BDRY	28	0.	204.	0.	0.	0.	0.	204.	0.
BDRY	28	0.	0.	131.	0.	0.	0.	131.	0.
BDRY	36	116.	0.	0.	0.	0.	0.	116.	0.
BDRY	36	0.	92.	0.	0.	0.	0.	92.	0.
BDRY	36	0.	0.	103.	0.	0.	0.	103.	0.

Problem 2



BENCHMARK PROBLEM № 2



# INDEPENDENT SUPPORT MOTION BENCHMARK PROBLEM 2

## CONTROL INFORMATION

NUMBER OF NODAL POINTS = 35  
 NUMBER OF ELEMENT TYPES = 2  
 NUMBER OF STATIC LOAD CASES = 0  
 NUMBER OF DYNAMIC LOAD CASES = 4  
 SEISMIC ANCHOR MOVEMENT CASES = 0  
 EQ.0 NO  
 EQ.1 SINGLE ANALYSIS  
 EQ.3 EACH DIRECTION  
 ANALYSED SEPARATELY  
 NUMBER OF FREQUENCIES = 25  
 SOLUTION MODE (MODEX) = 0  
 EQ.0, EXECUTION  
 EQ.1, DATA CHECK  
 STRESS CALCULATION FLAG = 0  
 EQ.0 NO  
 EQ.1 YES  
 ASME CODE EVALUATION FLAG = 0  
 EQ.1 CLASS 1 PIPING  
 EQ.2 CLASS2 OR CLASS 3 PIPING  
 ACCELERATION GRAVITY = 386.

## ANALYSIS CODE INFORMATION

EQ.0, STATIC  
 EQ.1, ANCHOR MOVEMENTS  
 EQ.2, FORCED RESPONSE  
 EQ.3, RESPONSE SPECTRUM  
 EQ.4, DIRECT INTEGRATION  
 EQ.5, MULTIPLE TIME HISTORY  
 EQ.6, MULTIPLE SPECTRUM  
 CASE CODE

1	6
2	6
3	3
4	3

## NODAL POINT INPUT DATA

NODE NUMBER	BOUNDARY CONDITION CODES						NODAL POINT COORDINATES				
	X	Y	Z	XX	YY	ZZ	X	Y	Z	T	
1	0	0	0	1	1	1	0.000	0.000	0.000	0	0.000
2	0	0	0	0	0	0	0.000	54.450	0.000	0	0.000
3	0	0	0	0	0	0	0.000	108.900	0.000	0	0.000
4	0	0	0	0	0	0	10.632	134.568	0.000	0	0.000
5	0	0	0	0	0	0	36.300	145.200	0.000	0	0.000
6	0	0	0	0	0	0	54.150	145.200	0.000	0	0.000
7	0	0	0	0	0	0	72.000	145.200	0.000	0	0.000
8	0	0	0	0	0	0	97.668	145.200	10.632	0	0.000
9	0	0	0	0	0	0	108.300	145.200	36.300	0	0.000
10	0	0	0	0	0	0	108.300	145.200	56.800	0	0.000

11	0	0	0	0	0	0	108.300	145.200	77.300	0	0.000
12	0	0	0	0	0	0	108.300	145.200	97.800	0	0.000
13	0	0	0	0	0	0	108.300	145.200	118.300	0	0.000
14	0	0	0	0	0	0	108.300	145.200	188.800	0	0.000
15	0	0	0	0	0	0	108.300	181.500	225.100	0	0.000
16	0	0	0	0	0	0	108.300	236.000	225.100	0	0.000
17	0	0	0	0	0	0	108.300	290.000	225.100	0	0.000
18	0	0	0	0	0	0	148.300	145.200	97.800	0	0.000
19	0	0	0	0	0	0	188.300	145.200	97.800	0	0.000
20	0	0	0	0	0	0	224.600	145.200	61.500	0	0.000
21	0	0	0	1	1	1	224.600	145.200	20.000	0	0.000
22	1	1	1	1	1	1	1.000	0.000	0.000	0	0.000
23	1	1	1	1	1	1	0.000	1.000	0.000	0	0.000
24	1	1	1	1	1	1	0.000	0.000	1.000	0	0.000
25	1	1	1	1	1	1	72.000	145.200	-1.000	0	0.000
26	1	1	1	1	1	1	109.300	145.200	36.300	0	0.000
27	1	1	1	1	1	1	108.300	146.200	77.300	0	0.000
28	1	1	1	1	1	1	108.300	146.200	118.300	0	0.000
29	1	1	1	1	1	1	107.300	182.500	226.500	0	0.000
30	1	1	1	1	1	1	109.300	290.000	225.100	0	0.000
31	1	1	1	1	1	1	108.300	291.000	225.100	0	0.000
32	1	1	1	1	1	1	108.300	290.000	226.100	0	0.000
33	1	1	1	1	1	1	225.600	145.200	20.000	0	0.000
34	1	1	1	1	1	1	224.600	146.200	20.000	0	0.000
35	1	1	1	1	1	1	224.600	145.200	21.000	0	0.000

# SPRING ELEMENTS

ELEMENT TYPE = 1  
NUMBER OF ELEMENTS = 14

## ELEMENT LOAD CASE MULTIPLIERS

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

ELEMENT NUMBER	NODE (N)	NODE DEFINING DIRECTION(NI)	SUPPORT GROUP (NG)	CODE KD	CODE KR	GENERATION CODE (KN)	SPECIFIED DISPLACEMENT	SPECIFIED ROTATION	SPRING RATE
1	1	22	1	1	0	0	0.	0.	1000E+11
2	1	23	1	1	0	0	0.	0.	1000E+11
3	1	24	1	1	0	0	0.	0.	1000E+11
4	7	25	2	1	0	0	0.	0.	1000E+09
5	9	26	2	1	0	0	0.	0.	1000E+09
6	11	27	2	1	0	0	0.	0.	1000E+05
7	13	28	2	1	0	0	0.	0.	1000E+05
8	15	29	2	1	0	0	0.	0.	1000E+09
9	17	30	3	1	0	0	0.	0.	1000E+11
10	17	31	3	1	0	0	0.	0.	1000E+11
11	17	32	3	1	0	0	0.	0.	1000E+11
12	21	33	4	1	0	0	0.	0.	1000E+11
13	21	34	4	1	0	0	0.	0.	1000E+11
14	21	35	4	1	0	0	0.	0.	1000E+11

# PIPE ELEMENT INPUT DATA

## CONTROL INFORMATION

NUMBER OF PIPE ELEMENTS = 20  
 NUMBER OF MATERIAL SETS = 1  
 MAXIMUM NUMBER OF MATERIAL  
 TEMPERATURE INPUT POINTS = 1  
 NUMBER OF SECTION PROPERTY SETS = 1  
 NUMBER OF BRANCH POINT NODES = 1  
 MAXIMUM NUMBER OF TANGENTS  
 COMMON TO A BRANCH POINT = 3  
 FLAG FOR NEGLECTING AXIAL  
 DEFORMATIONS IN BEND ELEMENTS = 0  
 (EQ. 1, NEGLECT)

## MATERIAL PROPERTY TABLES

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

POINT NUMBER	TEMPERATURE	YOUNG'S MODULUS	POISSON'S RATIO	THERMAL EXPANSION
1	0.00	.240E+08	.300	.710E-05

# SECTION PROPERTY TABLE

SECTION NUMBER	OUTSIDE DIAMETER	WALL THICKNESS	SHAPE FACTOR FOR SHEAR	WEIGHT/ UNIT LENGTH	MASS/ UNIT LENGTH	DESCRIPTION
1	7.288	.2410	0.0000	.2179E+01	.5639E-02	

PIPE ELEMENT INPUT DATA													
ELEMENT NUMBER	ELEMENT TYPE	NODE -I	NODE -J	MATL. NUMBER	SECTION NUMBER	REFERENCE TEMPERATURE (BEND RADIUS)	INTERNAL PRESSURE (THIRD POINT)	E N D S END-I (X3- ORDINATE)	C O D E (Y3- ORDINATE)	END-J (ORDINATE)	(Z3- ORDINATE)	NODE INCREMENT (WALL FRACTION)	INPUT TAG
1	TANGENT	1	2	1	1	0.00	350.00	0	0	0		1	II
2	TANGENT	2	3	1	1	0.00	350.00	0	0	0		1	II
3	BEND	3	4	1	1	0.00	350.00	0	0	0			IC
						( 36.300)	(CC)	( 36.300)	( 108.900)	( 0.000)	( 0.000)	( .1000)	
4	BEND	4	5	1	1	0.00	350.00	0	0	0			IC
						( 36.300)	(CC)	( 36.300)	( 108.900)	( 0.000)	( 0.000)	( .1000)	
5	TANGENT	5	6	1	1	0.00	350.00	0	0	0		1	II
6	TANGENT	6	7	1	1	0.00	350.00	0	0	0		1	II
7	BEND	7	8	1	1	0.00	350.00	0	0	0			IC
						( 36.300)	(CC)	( 72.000)	( 145.200)	( 36.300)	( 36.300)	( .1000)	
8	BEND	8	9	1	1	0.00	350.00	0	0	0			IC
						( 36.300)	(CC)	( 72.000)	( 145.200)	( 36.300)	( 36.300)	( .1000)	
9	TANGENT	9	10	1	1	0.00	350.00	0	0	0		1	II
10	TANGENT	10	11	1	1	0.00	350.00	0	0	0		1	II
11	TANGENT	11	12	1	1	0.00	350.00	0	0	0		1	II
12	TANGENT	12	13	1	1	0.00	350.00	0	0	0		1	II
13	TANGENT	13	14	1	1	0.00	350.00	0	0	0		1	II
14	BEND	14	15	1	1	0.00	350.00	0	0	0		1	II
						( 36.300)	(CC)	( 108.300)	( 181.500)	( 188.800)	( 188.800)	( .1000)	IC
15	TANGENT	15	16	1	1	0.00	350.00	0	0	0		1	II
16	TANGENT	16	17	1	1	0.00	350.00	0	0	0		1	II
17	TANGENT	17	18	1	1	0.00	350.00	0	0	0		1	II
18	TANGENT	18	19	1	1	0.00	350.00	0	0	0		1	II
19	BEND	19	20	1	1	0.00	350.00	0	0	0		1	II
						( 36.300)	(CC)	( 188.300)	( 145.200)	( 61.500)	( 61.500)	( .1000)	IC
20	TANGENT	20	21	1	1	0.00	350.00	0	0	0		1	II

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 )

NODE NUMBER	LOAD CASE	X-AXIS FORCE	Y-AXIS FORCE	Z-AXIS FORCE	X-AXIS MOMENT	Y-AXIS MOMENT	Z-AXIS MOMENT
18	0	1.51800E+00	1.51800E+00	1.51800E+00	0.	0.	0.



PRINT OF FREQUENCIES

MODE NUMBER	CIRCULAR FREQUENCY (RAD/SEC)	FREQUENCY (CYCLES/SEC)	PERIOD (SEC)
1	.5881E+02	.9360E+01	.1068E+00
2	.7983E+02	.1271E+02	.7870E-01
3	.9662E+02	.1538E+02	.6503E-01
4	.1118E+03	.1780E+02	.5619E-01
5	.1357E+03	.2160E+02	.4629E-01
6	.1577E+03	.2510E+02	.3984E-01
7	.2013E+03	.3203E+02	.3122E-01
8	.2392E+03	.3807E+02	.2627E-01
9	.2532E+03	.4029E+02	.2482E-01
10	.3072E+03	.4890E+02	.2045E-01
11	.3614E+03	.5751E+02	.1739E-01
12	.3864E+03	.6150E+02	.1626E-01
13	.3930E+03	.6254E+02	.1599E-01
14	.4357E+03	.6935E+02	.1442E-01
15	.4866E+03	.7744E+02	.1291E-01
16	.4956E+03	.7888E+02	.1268E-01
17	.6391E+03	.1017E+03	.9831E-02
18	.6508E+03	.1036E+03	.9654E-02
19	.6784E+03	.1080E+03	.9262E-02
20	.7232E+03	.1151E+03	.8688E-02
21	.8498E+03	.1352E+03	.7394E-02
22	.9753E+03	.1552E+03	.6442E-02
23	.1009E+04	.1606E+03	.6227E-02
24	.1280E+04	.2038E+03	.4907E-02
25	.1319E+04	.2099E+03	.4764E-02

Problem 2a  
Envelope Spectra Solution

CASE 1  
.....

DIRECTION FACTORS

X = 386.4000 Y = 386.4000 Z = 386.4000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ 0 DISPLACEMENT  
EQ 1 ACCELERATION IN IN /SEC.2  
EQ 2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 1. KIND= 2

CLUSTER FACTOR, CF = .00010

MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	9.360	- .1004E+01	.7024E-01	- .9739E+00
2	12.706	.2524E+00	.1832E+01	- .4422E-01
3	15.377	.1427E+01	- .2045E+00	- .2254E+00
4	17.797	.2013E+00	.2259E+00	.5095E-01
5	21.603	.4652E+00	.2786E-01	.7775E+00
6	25.098	.1314E+00	- .9327E-01	.1337E+01
7	32.035	.2258E+00	- .2363E+00	- .4693E+00
8	38.069	- .1061E+00	- .1737E-02	- .1092E+00
9	40.293	.8223E+00	- .1801E-01	- .4207E+00
10	48.898	.4552E+00	.2188E+00	- .1601E+00
11	57.515	- .1926E+00	- .2249E+00	.4098E+00
12	61.500	.1503E+00	- .3584E+00	- .1604E+00
13	62.541	.1126E+00	.2197E+00	- .1223E+00
14	69.348	.3388E+00	- .1906E+00	- .1083E+00
15	77.444	.3943E+00	- .1273E+00	- .2850E+00
16	78.881	.2991E+00	.6020E-01	- .2262E+00
17	101.715	.3067E+00	- .5173E-02	- .1030E+00
18	103.583	.5130E-01	.2350E+00	- .8502E-01
19	107.966	.3053E-02	.7310E-02	.2237E+00
20	115.098	.5735E-01	.1187E+00	- .3646E+00
21	135.244	- .3140E+00	.3960E+00	.4286E+00
22	155.220	.1275E+00	- .1139E+00	- .5590E-01
23	160.601	- .1040E+00	- .1837E+00	- .4441E-01
24	203.789	.1515E-01	.4041E-01	.3080E+00
25	209.925	.2088E-02	.1430E+00	- .2074E-01

## SPECTRUM TABLE ( ENVELOPE SPECTRUM X )

NUMBER OF POINTS = 16  
SCALE FACTOR = 10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	2560E-01	6500E+00
2	6060E-01	6500E+00
3	6610E-01	7700E+00
4	1010E+00	9000E+00
5	1515E+00	1750E+01
6	1748E+00	2050E+01
7	2137E+00	2050E+01
8	2924E+00	1600E+01
9	3636E+00	1460E+01
10	4132E+00	1700E+01
11	5865E+00	2400E+01
12	7273E+00	4150E+01
13	8889E+00	4150E+01
14	1550E+01	8100E+00
15	1587E+01	8140E+00
16	2500E+01	2700E+00

## SPECTRUM TABLE ( ENVELOPE SPECTRUM Y )

NUMBER OF POINTS = 13  
SCALE FACTOR = 10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	2560E-01	3700E+00
2	6450E-01	3700E+00
3	9800E-01	5500E+00
4	1136E+00	7363E+00
5	1515E+00	1520E+01
6	1852E+00	1320E+01
7	2800E+00	8700E+00
8	4041E+00	9000E+00
9	5682E+00	1500E+01
10	7273E+00	2870E+01
11	8889E+00	2870E+01
12	1350E+01	1150E+01
13	2500E+01	3400E+00

## SPECTRUM TABLE ( ENVELOPE SPECTRUM Z )

NUMBER OF POINTS = 13  
SCALE FACTOR = 10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
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CLUSTERING. +1 MEANS MODE 1 CLOSE TO +1, -1, NOT.

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						A C C E L E R A T I O N S I N G ' S		
N O D E N U M B E R	M O D E N U M B E R	X- T R A N S L A T I O N	Y- T R A N S L A T I O N	Z- T R A N S L A T I O N	X- R O T A T I O N	Y- R O T A T I O N	Z- R O T A T I O N	X- D I R E C T I O N	Y- D I R E C T I O N	Z- D I R E C T I O N
1	TOTAL	9.04994E-09	6.49555E-09	1.77377E-08	0.	0.	0.			
2	TOTAL	1.04892E-02	2.76270E-05	2.49807E-02	7.97254E-04	4.54551E-04	3.31846E-04			
3	TOTAL	3.21202E-02	5.50050E-05	7.71264E-02	1.02681E-03	9.09101E-04	4.39069E-04			
4	TOTAL	4.31355E-02	4.92764E-03	9.07052E-02	8.98738E-04	1.20129E-03	4.68664E-04			
5	TOTAL	4.74644E-02	1.69967E-02	6.30366E-02	7.38914E-04	1.63525E-03	4.77617E-04			
6	TOTAL	4.74600E-02	2.52590E-02	3.26714E-02	6.79494E-04	1.76655E-03	4.67071E-04			
7	TOTAL	4.74530E-02	3.32157E-02	7.07774E-06	6.21085E-04	1.89200E-03	4.45716E-04			
8	TOTAL	2.80353E-02	3.79278E-02	4.91005E-02	5.39647E-04	1.65739E-03	3.79215E-04			
9	TOTAL	4.45520E-06	3.11288E-02	6.30118E-02	4.15543E-04	6.01594E-04	3.55575E-04			
10	TOTAL	1.07545E-02	2.49038E-02	6.31042E-02	3.50701E-04	5.04522E-04	3.54844E-04			
11	TOTAL	2.00886E-02	2.06452E-02	6.31924E-02	2.63769E-04	5.41252E-04	3.66818E-04			
12	TOTAL	2.85287E-02	1.85813E-02	6.32765E-02	1.83299E-04	5.72930E-04	3.90329E-04			
13	TOTAL	3.74210E-02	1.64494E-02	6.33311E-02	1.78012E-04	6.98651E-04	3.84328E-04			
14	TOTAL	3.49378E-02	8.48980E-03	6.34872E-02	1.77950E-04	8.92678E-04	5.21202E-04			
15	TOTAL	8.92716E-02	1.67503E-04	6.36671E-02	2.79380E-04	8.65878E-04	7.23575E-04			
16	TOTAL	4.76643E-02	8.35324E-05	4.01545E-02	6.26775E-04	8.65878E-04	8.30868E-04			
17	TOTAL	5.84641E-09	1.98034E-08	1.03496E-08	7.97784E-04	8.65878E-04	9.07075E-04			



18 TOTAL	2	85922E-02	3.17932E-02	4.21335E-02	1.82892E-04	5.98648E-04	2.22544E-04
19 TOTAL	2	85300E-02	3.29398E-02	1.80701E-02	3.37203E-04	6.41531E-04	1.22555E-04
20 TOTAL	1	31286E-02	9.51701E-03	7.94688E-05	3.74487E-04	4.76952E-04	1.56893E-04
21 TOTAL	3	77919E-08	1.91578E-08	2.45130E-08	0.	0.	0.
22 TOTAL	0.	0.	0.	0.	0.	0.	0.
23 TOTAL	0.	0.	0.	0.	0.	0.	0.
24 TOTAL	0.	0.	0.	0.	0.	0.	0.
25 TOTAL	0.	0.	0.	0.	0.	0.	0.
26 TOTAL	0.	0.	0.	0.	0.	0.	0.
27 TOTAL	0.	0.	0.	0.	0.	0.	0.
28 TOTAL	0.	0.	0.	0.	0.	0.	0.
29 TOTAL	0.	0.	0.	0.	0.	0.	0.
30 TOTAL	0.	0.	0.	0.	0.	0.	0.
31 TOTAL	0.	0.	0.	0.	0.	0.	0.
32 TOTAL	0.	0.	0.	0.	0.	0.	0.
33 TOTAL	0.	0.	0.	0.	0.	0.	0.
34 TOTAL	0.	0.	0.	0.	0.	0.	0.
35 TOTAL	0.	0.	0.	0.	0.	0.	0.

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)
X	1	1	1	1	1	1	1	1	1	1	1	1
X MAXIMUM	2.493E+01	1.205E+02	-4.346E+01	3.802E+03	4.654E+03	1.198E+04	2.493E+01	1.205E+02	-4.346E+01	3.802E+03	2.287E+03	5.417E+03
Y	2	12	2	2	2	2	2	12	2	2	2	12
Y MAXIMUM	-3.577E+01	-1.087E+01	-2.824E+01	-2.315E+02	1.306E+03	-5.472E+02	-3.577E+01	-1.087E+01	-2.824E+01	-2.315E+02	-2.322E+02	2.500E+02
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	2.098E+01	1.014E+02	-3.658E+01	3.200E+03	3.916E+03	1.008E+04	2.098E+01	1.014E+02	-3.658E+01	3.200E+03	1.925E+03	4.559E+03
GRAND TOTAL	6.496E+01	1.774E+02	9.050E+01	5.110E+03	7.002E+03	1.635E+04	6.496E+01	1.774E+02	9.050E+01	5.110E+03	3.188E+03	7.138E+03

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)
X	1	1	1	1	1	1	1	1	1	1	3	5
X MAXIMUM	2.492E+01	1.008E+02	-3.572E+01	3.802E+03	2.287E+03	5.417E+03	2.492E+01	1.008E+02	-3.572E+01	3.802E+03	7.806E+02	6.728E+02
Y	2	1	2	2	2	12	2	1	2	2	2	2
Y MAXIMUM	-3.574E+01	-4.606E+00	-2.523E+01	-2.315E+02	-2.322E+02	2.500E+02	-3.574E+01	-4.606E+00	-2.523E+01	-2.315E+02	-1.606E+03	-2.794E+02
Z	1	1	1	1	1	1	1	1	1	1	5	6
Z MAXIMUM	2.098E+01	8.484E+01	-3.006E+01	3.200E+03	1.925E+03	4.559E+03	2.098E+01	8.484E+01	-3.006E+01	3.200E+03	-4.047E+02	1.167E+03
GRAND TOTAL	6.439E+01	1.380E+02	6.241E+01	5.110E+03	3.188E+03	7.138E+03	6.439E+01	1.380E+02	6.241E+01	5.110E+03	2.238E+03	1.770E+03

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)
X	1	10	1	1	5	3	4	10	1	1	1	3
X MAXIMUM	2.491E+01	2.428E+01	-5.404E+01	3.802E+03	6.728E+02	-7.806E+02	-1.966E+01	2.634E+01	-5.404E+01	3.336E+03	-2.272E+03	-8.255E+02
Y	2	2	12	2	2	2	2	10	12	2	2	2
Y MAXIMUM	-3.569E+01	-2.179E+01	-5.393E+00	-2.315E+02	-2.794E+02	1.606E+03	-4.131E+01	7.207E+00	-5.393E+00	-3.303E+02	-2.176E+02	1.810E+03
Z	1	1	1	1	6	5	1	1	1	1	1	5
Z MAXIMUM	2.096E+01	-1.416E+01	-4.548E+01	3.200E+03	1.167E+03	4.047E+02	1.395E+01	-2.110E+01	-4.548E+01	2.807E+03	-1.912E+03	3.734E+02
GRAND TOTAL	6.364E+01	5.324E+01	8.039E+01	5.110E+03	1.770E+03	2.238E+03	6.507E+01	5.148E+01	8.039E+01	4.411E+03	3.359E+03	2.254E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	1	1	1	1	3
X MAXIMUM	2.132E+01	-2.950E+01	-5.404E+01	2.063E+03	-4.126E+03	-8.220E+02
Y	2	2	12	2	1	2
Y MAXIMUM	-4.064E+01	9.833E+00	-5.393E+00	-3.980E+02	1.885E+02	1.786E+03
Z	6	1	1	1	1	1
Z MAXIMUM	1.290E+01	-2.483E+01	-4.548E+01	1.736E+03	-3.472E+03	2.981E+02
GRAND TOTAL	6.289E+01	5.412E+01	8.039E+01	2.743E+03	5.526E+03	2.229E+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(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	10	5	1	1	3	9	1	5	1	1	3
X MAXIMUM	3.290E+01	2.322E+01	-3.261E+01	2.063E+03	-4.126E+03	-8.220E+02	3.889E+01	-2.081E+01	-3.261E+01	2.827E+02	-4.824E+03	-6.428E+02
Y	2	2	2	2	1	2	2	2	2	2	1	2
Y MAXIMUM	-3.971E+01	8.954E+00	-6.086E+00	-3.980E+02	1.885E+02	1.786E+03	-3.326E+01	2.347E+01	-6.086E+00	-4.315E+02	2.204E+02	1.552E+03
Z	6	1	6	1	1	1	6	1	6	1	1	1
Z MAXIMUM	1.911E+01	-1.308E+01	-5.566E+01	1.736E+03	-3.472E+03	2.981E+02	1.988E+01	-1.752E+01	-5.566E+01	2.379E+02	-4.059E+03	5.190E+02
GRAND TOTAL	7.283E+01	4.929E+01	8.356E+01	2.743E+03	5.526E+03	2.229E+03	7.146E+01	5.125E+01	8.356E+01	6.977E+02	6.323E+03	2.065E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	1	5	1	1	1
X MAXIMUM	3.896E+01	-2.292E+01	-3.261E+01	-1.629E+03	-4.787E+03	9.325E+02
Y	2	2	2	2	1	2
Y MAXIMUM	-2.175E+01	3.441E+01	-6.086E+00	-4.329E+02	2.187E+02	1.134E+03
Z	6	1	6	1	1	1
Z MAXIMUM	1.762E+01	-1.929E+01	-5.566E+01	-1.371E+03	-4.028E+03	7.848E+02
GRAND TOTAL	6.468E+01	5.958E+01	8.356E+01	2.211E+03	6.406E+03	1.948E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	1	5	1	1	1	9	1	5	1	1	1
X MAXIMUM	5.073E+01	1.771E+01	4.136E+01	-1.629E+03	4.787E+03	-9.325E+02	5.073E+01	1.771E+01	4.136E+01	-1.629E+03	4.686E+03	-1.249E+03
Y	2	2	2	2	1	2	2	2	2	2	1	2
Y MAXIMUM	-2.353E+01	-2.849E+01	7.663E+00	-4.329E+02	-2.187E+02	-1.134E+03	-2.353E+01	-2.849E+01	7.663E+00	-4.329E+02	-2.141E+02	-6.251E+02
Z	6	1	6	1	1	1	6	1	6	1	1	1
Z MAXIMUM	2.599E+01	1.491E+01	6.661E+01	-1.371E+03	4.028E+03	-7.848E+02	2.599E+01	1.491E+01	6.661E+01	-1.371E+03	3.944E+03	-1.051E+03
GRAND TOTAL	8.510E+01	4.767E+01	1.006E+02	2.211E+03	6.406E+03	1.948E+03	8.510E+01	4.767E+01	1.006E+02	2.211E+03	6.857E+03	1.965E+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)
X	9	1	5	1	1	1	9	1	5	1	1	1
X MAXIMUM	5.975E+01	1.203E+01	4.429E+01	-1.629E+03	4.686E+03	-1.249E+03	5.975E+01	1.203E+01	4.429E+01	-1.629E+03	4.431E+03	-1.463E+03
Y	2	2	2	2	1	2	2	2	2	2	1	2
Y MAXIMUM	-2.490E+01	-2.062E+01	8.257E+00	-4.329E+02	-2.141E+02	-6.251E+02	-2.490E+01	-2.062E+01	8.257E+00	-4.329E+02	2.457E+02	-2.570E+02
Z	6	1	6	1	1	1	6	1	6	1	1	1
Z MAXIMUM	3.243E+01	1.012E+01	6.971E+01	-1.371E+03	3.944E+03	-1.051E+03	3.243E+01	1.012E+01	6.971E+01	-1.371E+03	3.729E+03	-1.232E+03
GRAND TOTAL	1.044E+02	3.622E+01	1.089E+02	2.211E+03	6.857E+03	1.965E+03	1.044E+02	3.622E+01	1.089E+02	2.211E+03	7.624E+03	2.106E+03

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	1	10	1	1	1	1	1	10	1	1	1
X MAXIMUM	7.139E+01	-4.973E+02	-1.543E+01	-1.629E+03	-1.463E+03	-4.431E+03	-1.486E+02	-4.767E+02	-1.543E+01	-2.072E+03	-7.660E+02	2.601E+03
Y	2	2	2	2	2	2	2	2	2	2	4	3
Y MAXIMUM	-2.668E+01	-3.013E+01	5.888E+00	-4.329E+02	-2.570E+02	-2.457E+02	3.618E+01	2.178E+01	5.888E+00	-4.820E+02	2.962E+02	-1.225E+02
Z	6	1	15	1	1	1	1	1	15	1	1	1
Z MAXIMUM	4.077E+01	-4.185E+02	-6.499E+00	-1.371E+03	-1.232E+03	-3.729E+03	-1.251E+02	-4.012E+02	-6.499E+00	-1.744E+03	-6.446E+02	2.189E+03
GRAND TOTAL	1.317E+02	6.908E+02	2.632E+01	2.211E+03	2.106E+03	7.624E+03	2.525E+02	6.563E+02	2.632E+01	2.780E+03	1.240E+03	4.743E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	1	10	1	4	1
X MAXIMUM	-3.197E+02	-3.835E+02	-1.543E+01	-2.215E+03	5.016E+02	8.813E+03
Y	2	1	2	2	4	1
Y MAXIMUM	-4.017E+01	1.752E+01	5.888E+00	-4.252E+02	3.205E+02	-4.027E+02
Z	1	1	15	1	5	1
Z MAXIMUM	-2.691E+02	-3.228E+02	-6.499E+00	-1.864E+03	2.132E+02	7.417E+03
GRAND TOTAL	4.666E+02	5.261E+02	2.632E+01	2.967E+03	7.986E+02	1.202E+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(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	1	1	1	4	1	1	1	1	1	1	1
X MAXIMUM	-2.970E+02	-3.768E+02	8.901E+00	-2.215E+03	5.016E+02	8.813E+03	-4.186E+02	-2.344E+02	8.901E+00	-2.004E+03	1.016E+03	1.323E+04
Y	2	1	2	2	4	1	2	2	2	2	4	1
Y MAXIMUM	-4.221E+01	1.721E+01	-1.921E+01	-4.252E+02	3.205E+02	-4.027E+02	-3.983E+01	1.416E+01	-1.921E+01	-3.405E+02	1.983E+02	-6.043E+02
Z	1	1	1	1	5	1	1	1	1	1	1	1
Z MAXIMUM	-2.500E+02	-3.171E+02	7.491E+00	-1.864E+03	2.132E+02	7.417E+03	-3.523E+02	-1.973E+02	7.491E+00	-1.686E+03	8.549E+02	1.113E+04
GRAND TOTAL	4.463E+02	5.178E+02	3.256E+01	2.967E+03	7.986E+02	1.202E+04	5.971E+02	3.327E+02	3.256E+01	2.709E+03	1.465E+03	1.776E+04

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	9	1	1	1	1
X MAXIMUM	-4.765E+02	-8.301E+01	8.901E+00	-1.438E+03	1.829E+03	1.533E+04
Y	2	2	2	2	10	1
Y MAXIMUM	-3.138E+01	2.832E+01	-1.921E+01	-3.101E+02	-9.359E+01	-7.002E+02
Z	1	6	1	1	1	1
Z MAXIMUM	-4.010E+02	-4.752E+01	7.491E+00	-1.210E+03	1.539E+03	1.290E+04
GRAND TOTAL	6.648E+02	1.591E+02	3.256E+01	2.021E+03	2.487E+03	2.052E+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)
X	1	1	3	1	1	1	1	1	3	1	1	1
X MAXIMUM	-4.536E+02	-1.521E+01	2.652E+02	-1.438E+03	-1.533E+04	1.829E+03	-4.536E+02	-1.521E+01	2.652E+02	-1.438E+03	-1.115E+04	2.141E+03
Y	2	2	3	2	1	10	2	2	3	2	1	2
Y MAXIMUM	-3.301E+01	4.069E+01	-1.897E+01	-3.101E+02	7.002E+02	-9.359E+01	-3.301E+01	4.069E+01	-1.897E+01	-3.101E+02	5.094E+02	-8.318E+02
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	-3.817E+02	-1.280E+01	1.715E+02	-1.210E+03	-1.290E+04	1.539E+03	-3.817E+02	-1.280E+01	1.715E+02	-1.210E+03	-9.382E+03	1.802E+03
GRAND TOTAL	6.378E+02	5.367E+01	3.917E+02	2.021E+03	2.052E+04	2.487E+03	6.378E+02	5.367E+01	3.917E+02	2.021E+03	1.481E+04	3.047E+03

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)
X	1	4	3	1	1	1	1	4	3	1	3	1
X MAXIMUM	-4.344E+02	1.871E+01	2.541E+02	-1.438E+03	-1.115E+04	2.141E+03	-4.344E+02	1.871E+01	2.541E+02	-1.438E+03	7.293E+03	2.517E+03
Y	2	2	3	2	1	2	2	2	3	2	2	2
Y MAXIMUM	-3.438E+01	5.658E+01	-1.818E+01	-3.101E+02	5.094E+02	-8.318E+02	-3.438E+01	5.658E+01	-1.818E+01	-3.101E+02	5.984E+02	-1.992E+03
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	-3.656E+02	-1.543E+01	1.721E+02	-1.210E+03	-9.382E+03	1.802E+03	-3.656E+02	-1.543E+01	1.721E+02	-1.210E+03	-5.854E+03	2.118E+03
GRAND TOTAL	6.156E+02	7.240E+01	3.843E+02	2.021E+03	1.481E+04	3.047E+03	6.156E+02	7.240E+01	3.843E+02	2.021E+03	1.192E+04	4.076E+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)
X	1	2	3	1	3	1	1	2	3	1	3	1
X MAXIMUM	-4.152E+02	-3.058E+01	2.331E+02	-1.438E+03	7.293E+03	2.517E+03	-4.152E+02	-3.058E+01	2.331E+02	-1.438E+03	1.207E+04	2.197E+03
Y	2	2	3	2	2	2	2	2	3	2	3	4
Y MAXIMUM	-3.573E+01	-1.212E+02	-1.668E+01	-3.101E+02	5.984E+02	-1.992E+03	-3.573E+01	-1.212E+02	-1.668E+01	-3.101E+02	-8.638E+02	-4.998E+02
Z	1	1	1	1	1	1	1	1	1	1	6	1
Z MAXIMUM	-3.494E+02	1.313E+01	1.713E+02	-1.210E+03	-5.854E+03	2.118E+03	-3.494E+02	1.313E+01	1.713E+02	-1.210E+03	3.478E+03	1.849E+03
GRAND TOTAL	5.940E+02	1.311E+02	3.685E+02	2.021E+03	1.192E+04	4.076E+03	5.940E+02	1.311E+02	3.685E+02	2.021E+03	1.333E+04	3.385E+03

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)
X	1	2	1	1	1	1	1	2	1	1	3	1
X MAXIMUM	-2.685E+02	3.417E+01	7.482E+01	-1.868E+03	-4.768E+03	1.949E+03	-2.685E+02	3.417E+01	7.482E+01	-1.868E+03	4.389E+03	1.548E+03
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	-2.228E+01	1.354E+02	1.525E+01	9.487E+02	-6.942E+02	3.364E+03	-2.228E+01	1.354E+02	1.525E+01	9.487E+02	-3.817E+02	5.876E+02
Z	1	6	1	1	1	1	1	6	1	1	1	1
Z MAXIMUM	-2.260E+02	2.537E+01	6.297E+01	-1.572E+03	-4.013E+03	1.640E+03	-2.260E+02	2.537E+01	6.297E+01	-1.572E+03	-2.722E+03	1.303E+03
GRAND TOTAL	3.836E+02	1.512E+02	1.167E+02	2.859E+03	7.724E+03	4.792E+03	3.836E+02	1.512E+02	1.167E+02	2.859E+03	6.407E+03	2.469E+03

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)
X	1	3	1	1	3	1	1	3	1	1	3	3
X MAXIMUM	-2.257E+02	-2.504E+01	5.706E+01	-1.868E+03	4.389E+03	1.548E+03	-2.257E+02	-2.504E+01	5.706E+01	-1.868E+03	2.706E+03	1.338E+03
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	-2.528E+01	6.233E+00	9.123E+00	9.487E+02	-3.817E+02	5.876E+02	-2.528E+01	6.233E+00	9.123E+00	9.487E+02	2.615E+02	1.481E+02
Z	1	6	1	1	1	1	1	6	1	1	6	6
Z MAXIMUM	-1.900E+02	3.439E+01	4.802E+01	-1.572E+03	-2.722E+03	1.303E+03	-1.900E+02	3.439E+01	4.802E+01	-1.572E+03	-8.301E+02	-2.078E+03
GRAND TOTAL	3.388E+02	5.673E+01	9.230E+01	2.859E+03	6.407E+03	2.469E+03	3.388E+02	5.673E+01	9.230E+01	2.859E+03	3.385E+03	3.336E+03

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	21	3	1	3	3	1	1	3	1	1	1
X MAXIMUM	-1.657E+02	-2.379E+01	-7.454E+01	-1.868E+03	2.706E+03	1.338E+03	-1.101E+02	1.243E+02	-7.454E+01	-9.944E+02	1.321E+03	-1.004E+03
Y	2	2	2	2	2	2	21	2	2	2	2	2
Y MAXIMUM	-2.945E+01	1.837E+01	-7.204E+00	9.487E+02	2.615E+02	1.481E+02	2.444E+01	3.382E+01	-7.204E+00	7.792E+02	-6.708E+02	-6.367E+02
Z	1	21	6	1	6	6	1	1	6	1	1	1
Z MAXIMUM	-1.394E+02	2.748E+01	2.287E+01	-1.572E+03	-8.301E+02	-2.078E+03	-9.262E+01	1.046E+02	2.287E+01	-8.369E+02	1.112E+03	-8.448E+02
GRAND TOTAL	2.872E+02	6.303E+01	9.725E+01	2.859E+03	3.385E+03	3.336E+03	2.096E+02	2.061E+02	9.325E+01	1.658E+03	2.022E+03	2.046E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	21	1	3	1	3	1
X MAXIMUM	-2.379E+01	1.657E+02	-7.454E+01	-4.366E-10	-1.875E+03	-5.364E+03
Y	2	2	2	11	2	2
Y MAXIMUM	1.837E+01	2.945E+01	-7.204E+00	9.140E-11	-1.210E+03	-1.588E+03
Z	21	1	6	11	1	1
Z MAXIMUM	2.748E+01	1.394E+02	2.287E+01	-2.497E-10	9.088E+02	-4.514E+03
GRAND TOTAL	6.303E+01	2.872E+02	9.325E+01	5.873E-10	2.890E+03	7.909E+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)
X	1	1	9	0	3	1	1	1	9	0	1	1
X MAXIMUM	1.148E+02	3.355E+01	-1.222E+01	0	1.875E+03	5.364E+03	1.148E+02	3.355E+01	-1.222E+01	0	-1.574E+03	3.536E+03
Y	2	2	2	0	2	2	2	2	2	0	2	2
Y MAXIMUM	4.442E+01	1.184E+01	-1.179E+01	0	1.210E+03	1.588E+03	4.442E+01	1.184E+01	-1.179E+01	0	5.674E+02	9.428E+02
Z	1	1	11	0	1	1	1	1	11	0	1	1
Z MAXIMUM	9.665E+01	2.823E+01	1.481E+01	0	-9.088E+02	4.514E+03	9.665E+01	2.823E+01	1.461E+01	0	-1.325E+03	2.975E+03
GRAND TOTAL	1.973E+02	5.679E+01	3.912E+01	0	2.890E+03	7.909E+03	1.973E+02	5.679E+01	3.912E+01	0	3.157E+03	5.589E+03



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)
X	1	1	1	0	1	1	1	1	1	0	9	1
X MAXIMUM	1.149E+02	6.547E+01	2.916E+01	0.	-1.574E+03	3.536E+03	1.149E+02	6.547E+01	2.916E+01	0.	-1.455E-11	4.657E-10
Y	2	2	2	0	2	2	2	2	2	0	2	1
Y MAXIMUM	4.446E+01	1.746E+01	-1.051E+01	0.	5.674E+02	9.428E+02	4.446E+01	1.746E+01	-1.051E+01	0.	7.276E-12	1.455E-11
Z	1	1	1	0	1	1	1	1	1	0	1	1
Z MAXIMUM	9.669E+01	5.510E+01	2.454E+01	0.	-1.325E+03	2.975E+03	9.669E+01	5.510E+01	2.454E+01	0.	-1.164E-10	2.328E-10
GRAND TOTAL	1.980E+02	1.035E+02	5.846E+01	0.	3.157E+03	5.589E+03	1.980E+02	1.035E+02	5.846E+01	0.	1.202E-10	5.237E-10

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)
X	3	2	3	2	3	3	3	2	3	2	3	2
X MAXIMUM	-1.415E+02	-5.825E+01	-1.321E+02	7.241E+02	8.480E+03	7.913E+02	-1.415E+02	-5.825E+01	-1.321E+02	7.241E+02	3.194E+03	2.012E+03
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	1.088E+01	-2.309E+02	-1.613E+01	2.870E+03	1.473E+03	-1.259E+03	1.088E+01	-2.309E+02	-1.613E+01	2.870E+03	8.276E+02	7.978E+03
Z	6	6	6	6	6	6	6	6	6	6	6	6
Z MAXIMUM	-1.043E+02	-3.518E+01	-1.509E+02	3.997E+02	2.532E+03	-7.577E+02	-1.043E+02	-3.518E+01	-1.509E+02	3.997E+02	-3.505E+03	6.497E+02
GRAND TOTAL	2.447E+02	2.497E+02	2.748E+02	3.069E+03	9.739E+03	2.033E+03	2.447E+02	2.497E+02	2.748E+02	3.069E+03	6.249E+03	8.428E+03

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)
X	3	2	3	2	3	2	3	2	3	2	3	2
X MAXIMUM	2.626E+02	2.718E+01	1.860E+02	7.241E+02	3.194E+03	2.012E+03	2.626E+02	2.718E+01	1.860E+02	7.241E+02	-4.247E+03	9.252E+02
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	4.460E+01	1.078E+02	-3.391E+01	2.870E+03	8.276E+02	7.978E+03	4.460E+01	1.078E+02	-3.391E+01	2.870E+03	-5.286E+02	3.667E+03
Z	1	12	1	6	6	6	1	12	1	6	6	6
Z MAXIMUM	-5.008E+01	-6.616E+00	7.011E+01	3.997E+02	-3.505E+03	6.497E+02	-5.008E+01	-6.616E+00	7.011E+01	3.997E+02	-8.514E+02	6.002E+02
GRAND TOTAL	2.864E+02	1.144E+02	2.345E+02	3.069E+03	6.249E+03	8.428E+03	2.864E+02	1.144E+02	2.345E+02	3.069E+03	4.663E+03	3.970E+03

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	3	2	2	2	3	3	3	2	1	1	3
X MAXIMUM	3.258E+02	1.738E+02	4.090E+01	7.241E+02	-9.252E+02	-4.247E+03	3.533E+02	-1.075E+02	4.090E+01	-3.414E+02	1.405E+02	-5.244E+03
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	4.987E+01	3.374E+01	1.622E+02	2.870E+03	-3.667E+03	-5.286E+02	5.912E+01	-1.140E+01	1.622E+02	1.160E+03	-4.609E+02	-8.646E+02
Z	1	6	6	6	6	6	1	6	6	1	6	1
Z MAXIMUM	-4.198E+01	-8.721E+01	1.816E+01	3.997E+02	-6.002E+02	-8.514E+02	-9.070E+01	-3.263E+01	1.816E+01	-2.873E+02	-2.409E+02	2.437E+03
GRAND TOTAL	3.437E+02	2.446E+02	1.716E+02	3.069E+03	3.970E+03	4.663E+03	4.030E+02	1.249E+02	1.716E+02	1.305E+03	6.403E+02	6.671E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	2	2	2	1
X MAXIMUM	1.738E+02	-3.258E+02	4.090E+01	5.597E+02	7.607E+02	2.632E+03
Y	2	2	2	2	2	1
Y MAXIMUM	3.374E+01	-4.987E+01	1.622E+02	2.219E+03	3.016E+03	-1.203E+02
Z	6	1	6	2	1	1
Z MAXIMUM	-8.721E+01	4.198E+01	1.816E+01	-7.958E+01	4.763E+02	2.215E+03
GRAND TOTAL	2.446E+02	3.437E+02	1.716E+02	2.314E+03	3.268E+03	3.823E+03

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)
X	3	2	3	2	1	2	3	2	3	2	3	2
X MAXIMUM	1 739E+02	4 487E+01	3 588E+02	5 597E+02	2 632E+03	-7 607E+02	1 739E+02	4 487E+01	3 588E+02	5 597E+02	1 616E+04	-2 623E+03
Y	2	2	2	2	1	2	2	2	2	2	2	2
Y MAXIMUM	3 376E+01	1 779E+02	5 294E+01	2 219E+03	-1 203E+02	-3 016E+03	3 376E+01	1 779E+02	5 294E+01	2 219E+03	2 254E+03	-1 040E+04
Z	6	6	3	2	1	1	6	6	3	2	3	6
Z MAXIMUM	-8 740E+01	2 572E+01	-4 479E+01	-7 958E+01	2 215E+03	-4 763E+02	-8 740E+01	2 572E+01	-4 479E+01	-7 958E+01	-2 018E+03	-1 327E+03
GRAND TOTAL	2 451E+02	1 916E+02	3 779E+02	2 314E+03	3 823E+03	3 268E+03	2 451E+02	1 916E+02	3 779E+02	2 314E+03	1 660E+04	1 114E+04



# SUMMARY OF SUPPORT FORCES/MOMENTS IN GLOBAL/LOCAL SYSTEMS

BDRY= BOUNDARY ELEMENTS (SPRING)  
 THAM= THERMAL ANCHOR MOTION  
 SEAM= SEISMIC ANCHOR MOTION  
 SNBR= SNUBBER ELEMENT

LOAD CASE 1 BENCHMARK PROBLEM 2 ENVELOPE

KIND OF SUPPORT	NODE NUMBER	GLOBAL COMPONENTS						LOCAL COMPONENTS	
		FX	FY	FZ	MX	MY	MZ	FL	ML
BDRY	1	90	0	0	0	0	0	90	0
BDRY	1	0	65	0	0	0	0	65	0
BDRY	1	0	0	177	0	0	0	177	0
BDRY	7	0	0	708	0	0	0	708	0
BDRY	9	446	0	0	0	0	0	446	0
BDRY	11	0	206	0	0	0	0	206	0
BDRY	13	0	164	0	0	0	0	164	0
BDRY	15	188	188	263	0	0	0	373	0
BDRY	17	58	0	0	0	0	0	58	0
BDRY	17	0	198	0	0	0	0	198	0
BDRY	17	0	0	103	0	0	0	103	0
BDRY	21	378	0	0	0	0	0	378	0
BDRY	21	0	192	0	0	0	0	192	0
BDRY	21	0	0	245	0	0	0	245	0

Problem 2b

Independent Support Motion Solution  
SRSS Group Combination

SUPPORT GROUP 1  
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DIRECTION FACTORS

X = 386.4000 Y = 386.4000 Z = 386.4000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION IN IN /SEC.2  
EQ.2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 1. KIND= 2

CLUSTER FACTOR, CF = .00010

# MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	9.360	- .1122E+00	.6439E-01	.3110E+00
2	12.706	.8941E-01	.1132E+00	.9867E-03
3	15.377	- .7981E-01	- .1836E-01	.3034E-01
4	17.797	.2474E+00	.3770E+00	- .1160E+00
5	21.603	.7131E-01	.6494E-01	.2769E+00
6	25.098	.3160E-01	- .3618E-01	.1765E+00
7	32.035	.8215E-01	.1021E-01	- .1523E-01
8	38.069	- .2948E-01	- .7938E-01	.4375E-01
9	40.293	.1151E+00	- .3142E-01	.1790E-01
10	48.898	.2728E+00	.9211E-01	- .8275E-01
11	57.515	.7112E-02	- .3929E-01	.1952E-02
12	61.500	- .5360E-01	- .1953E-01	- .2121E+00
13	62.541	- .7594E-01	- .6786E-01	- .2305E+00
14	69.348	.1285E+00	- .1031E+00	.3435E-02
15	77.444	.1115E+00	- .1895E+00	.4605E-01
16	78.881	- .1609E+00	.7236E-02	.1247E+00
17	101.715	.8130E-02	- .2527E-01	.1866E-01
18	103.583	- .3454E-01	.4775E-01	.4883E-02
19	107.966	.9617E-01	- .1353E+00	.3535E-01
20	115.098	- .1552E-03	- .3572E-01	- .1125E+00
21	135.244	- .2622E-01	.3784E-01	.1955E-01
22	155.220	- .2700E-01	- .5084E-01	- .1833E-03
23	160.601	- .3016E-01	- .2437E-01	.4319E-03
24	203.789	.1278E-02	.4051E-01	.1490E-02
25	209.925	.1676E-01	.2488E+00	- .1109E-02

SPECTRUM TABLE ( X SPECTRUM GROUP 1

NUMBER OF POINTS = 17  
SCALE FACTOR = 10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	2560E-01	2200E+00
2	2860E-01	2200E+00
3	3030E-01	2500E+00
4	3030E-01	4200E+00
5	1166E+00	8500E+00
6	1515E+00	1290E+01
7	1748E+00	1420E+01
8	2137E+00	1420E+01
9	2849E+00	1150E+01
10	3764E+00	7500E+00
11	4545E+00	6300E+00
12	5555E+00	6300E+00
13	7407E+00	3800E+00
14	9091E+00	5700E+00
15	1111E+01	5700E+00
16	1389E+01	2200E+00
17	2500E+01	1300E+00

SPECTRUM TABLE ( Y SPECTRUM GROUP 1

NUMBER OF POINTS = 18  
SCALE FACTOR = 10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	2560E-01	1900E+00
2	3130E-01	1900E+00
3	3510E-01	2050E+00
4	6250E-01	2050E+00
5	6490E-01	2200E+00
6	1069E+00	4200E+00
7	1149E+00	6800E+00
8	1515E+00	9000E+00
9	1818E+00	9980E+00
10	2222E+00	9980E+00
11	2857E+00	7700E+00
12	5555E+00	4200E+00
13	6061E+00	3500E+00
14	6933E+00	7150E+00
15	9091E+00	9950E+00
16	1111E+01	9950E+00
17	1563E+01	1800E+00
18	2500E+01	1800E+00

SPECTRUM TABLE ( Z SPECTRUM GROUP 1



SUPPORT GROUP 2  
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DIRECTION FACTORS

X = 386.4000 Y = 386.4000 Z = 386.4000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION IN IN./SEC.2  
EQ.2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 2. KIND= 2

CLUSTER FACTOR, CF = .00010



MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	9.360	-.9420E+00	.3275E+00	-.8688E+00
2	12.706	.2870E-01	.1015E+01	.6397E-02
3	15.377	-.6903E+00	-.2656E+00	.1391E+00
4	17.797	-.3614E-01	.2207E+00	.1607E+00
5	21.603	.3470E+00	-.1951E+00	.4168E+00
6	25.098	.2763E+00	.1041E+00	.9865E+00
7	32.035	.1785E+00	-.3384E+00	-.1913E+00
8	38.069	.2183E-01	.2849E+00	-.1593E-01
9	40.293	.4088E+00	.9595E-01	-.1530E+00
10	48.898	.2799E+00	.8265E-01	-.1721E+00
11	57.515	-.1037E+00	.2301E+00	.2639E+00
12	61.500	.1597E+00	-.1320E+00	.3315E-01
13	62.541	.2225E+00	.9838E-01	.1036E+00
14	69.348	.1566E+00	-.3275E-01	-.2162E+00
15	77.444	.3348E+00	-.5642E-01	-.3167E+00
16	78.881	.4796E+00	.3210E-01	-.4258E+00
17	101.715	.5668E-01	.1807E-01	.8629E-02
18	103.583	.6029E-01	-.4751E-01	-.6563E-01
19	107.966	-.8069E-01	.5839E-01	.1688E+00
20	115.098	.4180E-01	.6366E-01	-.2616E+00
21	135.244	-.2822E+00	.1588E+00	.3962E+00
22	155.220	.1612E+00	-.2725E-01	-.5932E-01
23	160.601	-.7781E-01	-.4079E-01	-.3619E-01
24	203.789	-.9466E-01	.7491E-03	.1625E-01
25	209.925	-.3881E-02	-.1188E-02	.1168E-01

SPECTRUM TABLE ( X SPECTRUM GROUP 2

NUMBER OF POINTS = 11  
SCALE FACTOR = 10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.2560E-01	.2300E+00
2	.4550E-01	.2300E+00
3	.5680E-01	.3000E-01
4	.3030E+00	.3800E+00
5	.5000E+00	.7500E+00
6	.6061E+00	.1070E+01
7	.6993E+00	.2250E+01
8	.8547E+00	.2250E+01
9	.1852E+01	.2300E+00
10	.2083E+01	.1700E+00
11	.2500E+01	.1700E+00

SPECTRUM TABLE ( Y SPECTRUM GROUP 2

NUMBER OF POINTS = 11  
SCALE FACTOR = 10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.2560E-01	.3700E+00
2	.6450E-01	.3700E+00
3	.1250E+00	.6500E+00
4	.1818E+00	.8500E+00
5	.2222E+00	.8500E+00
6	.4041E+00	.9000E+00
7	.5682E+00	.1500E+01
8	.7273E+00	.2870E+01
9	.8889E+00	.2870E+01
10	.1639E+01	.3000E+00
11	.2500E+01	.1700E+00

SPECTRUM TABLE ( Z SPECTRUM GROUP 2

NUMBER OF POINTS = 14  
SCALE FACTOR = 10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.2560E-01	.5500E+00
2	.5710E-01	.5500E+00
3	.7690E-01	.6500E+00
4	.1254E+00	.1000E+01
5	.1538E+00	.1300E+01
6	.1818E+00	.1380E+01
7	.2222E+00	.1380E+01

[illegible]

SUPPORT GROUP 3  
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DIRECTION FACTORS

X = 386.4000 Y = 386.4000 Z = 386.4000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ. 0 DISPLACEMENT  
EQ. 1 ACCELERATION IN IN./SEC. 2  
EQ. 2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 3 KIND= 2

CLUSTER FACTOR, CF = .00010

# MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	9.360	-.7529E-01	-.2967E+00	-.1691E+00
2	12.706	-.3327E-01	.1407E+00	.5527E-01
3	15.377	-.5500E-01	.1436E+00	.2765E-01
4	17.797	.3986E-02	-.2167E+00	-.5547E-01
5	21.603	.3835E-01	.2543E+00	.1519E+00
6	25.098	-.1933E-01	-.2516E+00	-.1332E+00
7	32.035	-.1382E+00	-.6691E-01	-.6119E-01
8	38.069	-.1114E+00	.1437E-02	-.9437E-01
9	40.293	.1130E+00	-.5580E-01	-.3728E-01
10	48.898	-.4419E-01	.8519E-01	.5065E-02
11	57.515	-.1190E+00	-.3555E+00	.1655E+00
12	61.500	.5730E-01	-.9955E-04	.2957E-03
13	62.541	-.3506E-01	.2078E-01	-.2214E-02
14	69.348	.9052E-01	-.1314E+00	.6276E-01
15	77.444	-.3383E-01	.1582E+00	-.4416E-01
16	78.881	.2271E-01	.3494E-01	.2113E-01
17	101.715	.6760E-02	.2779E-01	.6204E-02
18	103.583	-.4437E-02	-.9379E-03	-.9561E-02
19	107.966	.6415E-02	.9544E-02	.1289E-01
20	115.098	.6132E-02	.7141E-01	.1155E-01
21	135.244	.8469E-02	.1935E+00	.2234E-01
22	155.220	.3247E-02	-.3714E-01	-.1026E-02
23	160.601	-.4322E-02	-.1200E+00	-.6413E-02
24	203.789	.2379E-03	-.9738E-03	.1883E-03
25	209.925	.1331E-03	-.1059E+00	-.1293E-02

SPECTRUM TABLE ( X SPECTRUM GROUP 3

NUMBER OF POINTS = 15  
SCALE FACTOR = 10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	2560E-01	6500E+00
2	6060E-01	6500E+00
3	6610E-01	7700E+00
4	1010E+00	9000E+00
5	1515E+00	1750E+01
6	1748E+00	2050E+01
7	2137E+00	2050E+01
8	2924E+00	1600E+01
9	3636E+00	1460E+01
10	4132E+00	1700E+01
11	5865E+00	2400E+01
12	7273E+00	4150E+01
13	8889E+00	4150E+01
14	1661E+01	4200E+00
15	2200E+01	1800E+00

SPECTRUM TABLE ( Y SPECTRUM GROUP 3

NUMBER OF POINTS = 14  
SCALE FACTOR = 10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	2560E-01	2300E+00
2	3640E-01	2300E+00
3	4040E-01	2500E+00
4	9090E-01	4200E+00
5	1136E+00	7300E+00
6	1515E+00	1320E+01
7	1852E+00	1320E+01
8	3831E+00	5600E+00
9	5555E+00	5300E+00
10	9259E+00	2800E+00
11	1111E+01	1700E+00
12	1420E+01	2800E+00
13	1736E+01	2800E+00
14	2500E+01	1400E+00

SPECTRUM TABLE ( Z SPECTRUM GROUP 3

NUMBER OF POINTS = 18  
SCALE FACTOR = 10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
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CLUSTERING. +1 MEANS MOORE IS CLOSE TO +1. -1, NOT.



SUPPORT GROUP 4  
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DIRECTION FACTORS

X = 386.4000 Y = 386.4000 Z = 386.4000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ. 0 DISPLACEMENT  
EQ. 1 ACCELERATION IN IN./SEC. 2  
EQ. 2 ACCELERATION IN GS

x

2 SPECTRA ARE ENTERED FOR CASE 4. KIND = 2

CLUSTER FACTOR, CF = .00010

# MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	9.360	.1256E+00	-.2492E-01	-.2471E+00
2	12.706	.1676E+00	.5631E+00	-.1069E+00
3	15.377	.8715E+00	-.6406E-01	-.4225E+00
4	17.797	-.1401E-01	-.1551E+00	.6173E-01
5	21.603	.8529E-02	-.9633E-01	-.6805E-01
6	25.098	-.1571E+00	.9049E-01	.3075E+00
7	32.035	.1034E+00	.1588E+00	-.2016E+00
8	38.069	.1295E-01	-.2087E+00	-.4261E-01
9	40.293	.1855E+00	-.2674E-01	-.2483E+00
10	48.898	-.5327E-01	-.4115E-01	.8967E-01
11	57.515	.2302E-01	-.6021E-01	-.2156E-01
12	61.500	-.1309E-01	-.2067E+00	.1830E-01
13	62.541	.1028E-02	.1684E+00	.6823E-02
14	69.348	-.3686E-01	.7659E-01	.4170E-01
15	77.444	-.1819E-01	-.3966E-01	.2977E-01
16	78.881	-.4225E-01	-.1408E-01	.5378E-01
17	101.715	.2351E+00	-.2577E-01	-.1365E+00
18	103.583	.2999E-01	.2357E+00	-.1471E-01
19	107.966	-.1885E-01	.7470E-01	.6679E-02
20	115.098	.9568E-02	.1936E-01	-.2065E-02
21	135.244	-.1203E-01	.6157E-02	-.9529E-02
22	155.220	-.9992E-02	.1286E-02	.4626E-02
23	160.601	.8302E-02	.1443E-02	-.2239E-02
24	203.789	.1083E+00	.1302E-03	.2901E+00
25	209.925	-.1092E-01	.1313E-02	-.3002E-01



# MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	9.360	.1256E+00	-.2492E-01	-.2471E+00
2	12.706	.1676E+00	.5631E+00	-.1069E+00
3	15.377	.8715E+00	-.6408E-01	-.4225E+00
4	17.797	-.1401E-01	-.1551E+00	.6179E-01
5	21.603	.8529E-02	-.9633E-01	-.6805E-01
6	25.098	-.1571E+00	.9049E-01	.3075E+00
7	32.035	.1034E+00	.1588E+00	-.2016E+00
8	38.069	.1295E-01	-.2087E+00	-.4261E-01
9	40.293	.1855E+00	-.2674E-01	-.2483E+00
10	48.898	-.5327E-01	-.4115E-01	.8967E-01
11	57.515	.2302E-01	-.6021E-01	-.2156E-01
12	61.500	-.1309E-01	-.2067E+00	.1830E-01
13	62.541	.1028E-02	.1684E+00	.6823E-02
14	69.348	-.3686E-01	.7659E-01	.4170E-01
15	77.444	-.1819E-01	-.3966E-01	.2977E-01
16	78.881	-.4225E-01	-.1408E-01	.5378E-01
17	101.715	.2351E+00	-.2577E-01	-.1365E+00
18	103.583	.2999E-01	.2357E+00	-.1471E-01
19	107.966	-.1885E-01	.7470E-01	.6679E-02
20	115.098	.9568E-02	.1936E-01	-.2065E-02
21	135.244	-.1203E-01	.6157E-02	-.9529E-02
22	155.220	-.9992E-02	.1286E-02	.4626E-02
23	160.601	.8302E-02	.1443E-02	-.2239E-02
24	203.789	.1083E+00	.1302E-03	.2901E+00
25	209.925	-.1092E-01	.1313E-02	-.3002E-01

# COMBINATION OF INDIVIDUAL SUPPORT GROUP RESPONSES

KIND=1 SUPPORT COMBINATION AFTER SAP SUMMATION

KIND=1 SUPPORT COMBINATION DONE FIRST

GROUP COMBINATION TYPE= 3

- ALGEBRAIC METHOD - 1
- ABSOLUTE METHOD - 2
- SRSS METHOD - 3

I D E	D I S P L A C E M E N T S / R O T A T I O N S							A C C E L E R A T I O N S I N G ' S		
		X-	Y-	Z-	X-	Y-	Z-	X-	Y-	Z-
N O D E	M O D E	T R A N S L A T I O N	T R A N S L A T I O N	T R A N S L A T I O N	R O T A T I O N	R O T A T I O N	R O T A T I O N	D I R E C T I O N	D I R E C T I O N	D I R E C T I O N
N U M B E R	N U M B E R									
1	TOTAL..	5.30472E-09	4.61580E-09	1.12862E-08	0.	0.	0.			
2	TOTAL..	6.36066E-03	1.96320E-05	1.58008E-02	5.04243E-04	2.87333E-04	2.02770E-04			
3	TOTAL..	1.97235E-02	3.90762E-05	4.87824E-02	6.49739E-04	5.74667E-04	2.73621E-04			
4	TOTAL..	2.66822E-02	3.12475E-03	5.73824E-02	5.69370E-04	7.59410E-04	2.99381E-04			
5	TOTAL..	2.94735E-02	1.09077E-02	3.98934E-02	4.68800E-04	1.03441E-03	3.07665E-04			
6	TOTAL..	2.94712E-02	1.62432E-02	2.06823E-02	4.31734E-04	1.11796E-03	2.99254E-04			
7	TOTAL..	2.94673E-02	2.13453E-02	4.40790E-06	3.95583E-04	1.19820E-03	2.82800E-04			
8	TOTAL..	1.69767E-02	2.41779E-02	3.10970E-02	3.47226E-04	1.04460E-03	2.30415E-04			
9	TOTAL..	2.56882E-06	1.94097E-02	3.98157E-02	2.74651E-04	2.55930E-04	2.11065E-04			
10	TOTAL..	2.92126E-03	1.51914E-02	3.98760E-02	2.34744E-04	1.31652E-04	2.09375E-04			
11	TOTAL..	5.13698E-03	1.23203E-02	3.99338E-02	1.79170E-04	2.63864E-04	2.17231E-04			
12	TOTAL..	1.03063E-02	1.10035E-02	3.99890E-02	1.23606E-04	3.56425E-04	2.33672E-04			
13	TOTAL..	1.77749E-02	9.82730E-03	4.00241E-02	1.09503E-04	4.43116E-04	2.32375E-04			
14	TOTAL..	5.30455E-02	5.30834E-03	4.01248E-02	1.08168E-04	5.35917E-04	3.20913E-04			
15	TOTAL..	5.65540E-02	1.04595E-04	4.03324E-02	1.73797E-04	4.82379E-04	4.55409E-04			
16	TOTAL..	3.01157E-02	5.21802E-05	2.54754E-02	3.97215E-04	4.82379E-04	5.26124E-04			
17	TOTAL..	3.20487E-09	1.23706E-08	6.64878E-09	5.06406E-04	4.82379E-04	5.72329E-04			

18 TOTAL..	1.03394E-02	1.87419E-02	2.67095E-02	1.21591E-04	3.63864E-04	1.37770E-04
19 TOTAL..	1.03416E-02	1.95108E-02	1.11438E-02	2.05499E-04	3.97830E-04	7.64569E-05
20 TOTAL..	3.28690E-03	5.68850E-03	3.74595E-05	2.23175E-04	1.30004E-04	9.22975E-05
21 TOTAL..	1.03230E-08	1.13989E-08	1.15548E-08	0.	0.	0.
22 TOTAL..	0.	0.	0.	0.	0.	0.
23 TOTAL..	0.	0.	0.	0.	0.	0.
24 TOTAL..	0.	0.	0.	0.	0.	0.
25 TOTAL..	0.	0.	0.	0.	0.	0.
26 TOTAL..	0.	0.	0.	0.	0.	0.
27 TOTAL..	0.	0.	0.	0.	0.	0.
28 TOTAL..	0.	0.	0.	0.	0.	0.
29 TOTAL..	0.	0.	0.	0.	0.	0.
30 TOTAL..	0.	0.	0.	0.	0.	0.
31 TOTAL..	0.	0.	0.	0.	0.	0.
32 TOTAL..	0.	0.	0.	0.	0.	0.
33 TOTAL..	0.	0.	0.	0.	0.	0.
34 TOTAL..	0.	0.	0.	0.	0.	0.
35 TOTAL..	0.	0.	0.	0.	0.	0.



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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	4	5	1	1	10
X MAXIMUM	9.051E+00	1.113E+01	8.818E+00	2.373E+02	6.974E+02	1.930E+02
Y	2	2	5	1	1	2
Y MAXIMUM	1.316E+01	2.083E+01	1.112E+01	4.331E+02	1.273E+03	6.862E+02
Z	6	1	6	1	1	1
Z MAXIMUM	1.312E+01	1.769E+01	4.147E+01	1.257E+03	3.695E+03	7.198E+02
GRAND TOTAL	3.120E+01	4.244E+01	5.384E+01	1.429E+03	4.075E+03	1.120E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	4	5	1	1	10	9	4	5	1	1	10
X MAXIMUM	1.179E+01	9.093E+00	1.118E+01	2.373E+02	6.974E+02	1.930E+02	1.179E+01	9.093E+00	1.118E+01	2.373E+02	6.827E+02	1.819E+02
Y	2	2	5	1	1	2	2	2	5	1	1	2
Y MAXIMUM	1.424E+01	1.725E+01	1.410E+01	4.331E+02	1.273E+03	6.862E+02	1.424E+01	1.725E+01	1.410E+01	4.331E+02	1.246E+03	3.784E+02
Z	6	1	6	1	1	1	6	1	6	1	1	1
Z MAXIMUM	1.936E+01	1.367E+01	4.963E+01	1.257E+03	3.695E+03	7.198E+02	1.936E+01	1.367E+01	4.963E+01	1.257E+03	3.617E+03	9.638E+02
GRAND TOTAL	4.314E+01	3.355E+01	6.421E+01	1.429E+03	4.075E+03	1.120E+03	4.314E+01	3.355E+01	6.421E+01	1.429E+03	4.381E+03	1.210E+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)
X	9	4	5	1	1	1	9	4	5	1	1	4
X MAXIMUM	1.388E+01	6.504E+00	1.198E+01	2.373E+02	6.827E+02	1.819E+02	1.388E+01	6.504E+00	1.198E+01	2.373E+02	6.456E+02	2.169E+02
Y	2	2	5	1	1	2	2	2	5	1	1	1
Y MAXIMUM	1.507E+01	1.248E+01	1.510E+01	4.331E+02	1.246E+03	3.784E+02	1.507E+01	1.248E+01	1.510E+01	4.331E+02	1.178E+03	3.891E+02
Z	6	1	6	1	1	1	6	1	6	1	1	1
Z MAXIMUM	2.416E+01	9.284E+00	5.193E+01	1.257E+03	3.617E+03	9.638E+02	2.416E+01	9.284E+00	5.193E+01	1.257E+03	3.420E+03	1.130E+03
GRAND TOTAL	5.489E+01	2.428E+01	6.925E+01	1.429E+03	4.381E+03	1.210E+03	5.489E+01	2.428E+01	6.925E+01	1.429E+03	4.884E+03	1.390E+03

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	1	10	1	4	1	1	1	10	1	4	1
X MAXIMUM	1.659E+01	7.245E+01	4.841E+00	2.373E+02	2.169E+02	6.456E+02	2.165E+01	6.945E+01	4.841E+00	3.019E+02	2.832E+02	3.790E+02
Y	2	1	2	1	1	1	1	1	2	1	4	1
Y MAXIMUM	1.615E+01	1.322E+02	3.564E+00	4.331E+02	3.891E+02	1.178E+03	3.951E+01	1.267E+02	3.564E+00	5.510E+02	4.858E+02	6.916E+02
Z	1	1	15	1	1	1	1	1	15	1	1	1
Z MAXIMUM	3.484E+01	3.838E+02	7.236E+00	1.257E+03	1.130E+03	3.420E+03	1.147E+02	3.679E+02	7.236E+00	1.600E+03	5.912E+02	2.008E+03
GRAND TOTAL	7.150E+01	4.299E+02	1.510E+01	1.429E+03	1.390E+03	4.884E+03	1.432E+02	4.116E+02	1.510E+01	1.761E+03	9.591E+02	2.798E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	1	10	1	4	1
X MAXIMUM	4.658E+01	5.588E+01	4.841E+00	3.227E+02	3.064E+02	1.284E+03
Y	1	1	2	1	4	1
Y MAXIMUM	8.500E+01	1.020E+02	3.564E+00	5.889E+02	5.256E+02	2.343E+03
Z	1	1	15	1	4	1
Z MAXIMUM	2.468E+02	2.960E+02	7.236E+00	1.710E+03	3.596E+02	6.802E+03
GRAND TOTAL	2.820E+02	3.323E+02	1.510E+01	1.884E+03	7.638E+02	7.379E+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)
X	1	1	4	1	4	1	1	1	4	1	4	1
X MAXIMUM	4.328E+01	5.489E+01	4.834E+00	3.227E+02	3.064E+02	1.284E+03	6.099E+01	3.415E+01	4.834E+00	2.919E+02	1.896E+02	1.927E+03
Y	1	1	2	1	4	1	1	1	2	1	4	1
Y MAXIMUM	7.898E+01	1.002E+02	1.163E+01	5.889E+02	5.256E+02	2.343E+03	1.113E+02	6.232E+01	1.163E+01	5.327E+02	3.253E+02	3.516E+03
Z	1	1	1	1	4	1	1	1	1	1	1	1
Z MAXIMUM	2.293E+02	2.908E+02	6.871E+00	1.710E+03	3.596E+02	6.802E+03	3.231E+02	1.809E+02	6.871E+00	1.546E+03	7.841E+02	1.021E+04
GRAND TOTAL	2.650E+02	3.272E+02	2.282E+01	1.884E+03	7.638E+02	7.379E+03	3.643E+02	2.112E+02	2.282E+01	1.748E+03	9.808E+02	1.105E+04

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	16	4	4	1	1
X MAXIMUM	6.941E+01	1.982E+01	4.834E+00	2.138E+02	2.664E+02	2.233E+03
Y	1	2	2	1	1	1
Y MAXIMUM	1.267E+02	1.714E+01	1.163E+01	3.822E+02	4.862E+02	4.075E+03
Z	1	1	1	1	1	1
Z MAXIMUM	3.678E+02	4.351E+01	6.871E+00	1.110E+03	1.412E+03	1.183E+04
GRAND TOTAL	4.116E+02	8.904E+01	2.282E+01	1.346E+03	1.569E+03	1.288E+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)
X	1	4	3	4	1	1	1	4	3	4	1	1
X MAXIMUM	6.608E+01	9.132E+00	3.302E+01	2.138E+02	2.233E+03	2.664E+02	6.608E+01	9.132E+00	3.302E+01	2.138E+02	1.624E+03	3.119E+02
Y	1	2	1	1	1	1	1	2	1	1	1	1
Y MAXIMUM	1.206E+02	2.463E+01	5.418E+01	3.822E+02	4.075E+03	4.862E+02	1.206E+02	2.463E+01	5.418E+01	3.822E+02	2.964E+03	5.692E+02
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	3.501E+02	1.174E+01	1.573E+02	1.110E+03	1.183E+04	1.412E+03	3.501E+02	1.174E+01	1.573E+02	1.110E+03	8.605E+03	1.652E+03
GRAND TOTAL	3.920E+02	3.686E+01	1.948E+02	1.346E+03	1.288E+04	1.569E+03	3.920E+02	3.686E+01	1.948E+02	1.346E+03	9.290E+03	1.940E+03

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)
X	1	4	3	4	1	1	1	4	3	4	1	4
X MAXIMUM	6.328E+01	1.143E+01	3.164E+01	2.138E+02	1.624E+03	3.119E+02	6.328E+01	1.143E+01	3.164E+01	2.138E+02	1.013E+03	3.775E+02
Y	1	2	1	1	1	1	1	2	1	1	1	2
Y MAXIMUM	1.155E+02	3.425E+01	5.436E+01	3.822E+02	2.964E+03	5.692E+02	1.155E+02	3.425E+01	5.436E+01	3.822E+02	1.850E+03	1.206E+03
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	3.353E+02	1.415E+01	1.578E+02	1.110E+03	8.605E+03	1.652E+03	3.353E+02	1.415E+01	1.578E+02	1.110E+03	5.369E+03	1.942E+03
GRAND TOTAL	3.757E+02	4.864E+01	1.941E+02	1.346E+03	9.290E+03	1.940E+03	3.757E+02	4.864E+01	1.941E+02	1.346E+03	6.181E+03	2.639E+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)
X	1	2	1	4	1	4	1	2	1	4	3	4
X MAXIMUM	6.048E+01	7.616E+00	2.965E+01	2.138E+02	1.013E+03	3.775E+02	6.048E+01	7.616E+00	2.965E+01	2.138E+02	1.503E+03	4.778E+02
Y	1	2	1	1	1	2	1	2	1	1	3	4
Y MAXIMUM	1.104E+02	7.339E+01	5.412E+01	3.822E+02	1.850E+03	1.206E+03	1.104E+02	7.339E+01	5.412E+01	3.822E+02	1.270E+03	8.197E+02
Z	1	1	1	1	1	1	1	1	1	1	6	1
Z MAXIMUM	3.204E+02	1.204E+01	1.571E+02	1.110E+03	5.369E+03	1.942E+03	3.204E+02	1.204E+01	1.571E+02	1.110E+03	2.591E+03	1.696E+03
GRAND TOTAL	3.595E+02	7.768E+01	1.910E+02	1.346E+03	6.181E+03	2.639E+03	3.595E+02	7.768E+01	1.910E+02	1.346E+03	4.575E+03	2.288E+03

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)
X	1	2	1	1	1	4	1	2	1	1	3	4
X MAXIMUM	3.912E+01	8.508E+00	1.090E+01	2.721E+02	6.947E+02	4.554E+02	3.912E+01	8.508E+00	1.090E+01	2.721E+02	5.465E+02	3.547E+02
Y	1	2	1	2	1	2	1	2	1	2	1	4
Y MAXIMUM	7.138E+01	8.199E+01	1.989E+01	5.743E+02	1.268E+03	2.036E+03	7.138E+01	8.199E+01	1.989E+01	5.743E+02	8.599E+02	6.086E+02
Z	1	6	1	1	1	1	1	6	1	1	1	1
Z MAXIMUM	2.072E+02	1.890E+01	5.775E+01	1.442E+03	3.680E+03	1.505E+03	2.072E+02	1.890E+01	5.775E+01	1.442E+03	2.497E+03	1.195E+03
GRAND TOTAL	2.401E+02	8.904E+01	6.867E+01	1.727E+03	4.241E+03	2.982E+03	2.401E+02	8.904E+01	6.867E+01	1.727E+03	2.971E+03	1.670E+03

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)
X	1	5	1	1	3	4	1	5	1	1	3	5
X MAXIMUM	3.289E+01	4.648E+00	8.312E+00	2.721E+02	5.465E+02	3.547E+02	3.289E+01	4.648E+00	8.312E+00	2.721E+02	3.370E+02	2.410E+02
Y	1	5	1	2	1	4	1	5	1	2	7	5
Y MAXIMUM	6.002E+01	5.859E+00	1.517E+01	5.743E+02	8.599E+02	6.086E+02	6.002E+01	5.859E+00	1.517E+01	5.743E+02	3.274E+02	3.039E+02
Z	1	6	1	1	1	1	1	6	1	1	6	6
Z MAXIMUM	1.742E+02	2.562E+01	4.404E+01	1.442E+03	2.497E+03	1.195E+03	1.742E+02	2.562E+01	4.404E+01	1.442E+03	6.184E+02	1.548E+03
GRAND TOTAL	2.110E+02	3.414E+01	5.339E+01	1.727E+03	2.971E+03	1.670E+03	2.110E+02	3.414E+01	5.339E+01	1.727E+03	1.341E+03	2.066E+03

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	21	3	1	3	5	1	1	3	1	1	1
X MAXIMUM	2.414E+01	7.628E+00	9.283E+00	2.721E+02	3.370E+02	2.410E+02	1.603E+01	1.811E+01	9.283E+00	1.449E+02	1.924E+02	1.463E+02
Y	1	2	7	2	7	5	1	1	7	2	2	2
Y MAXIMUM	4.405E+01	1.112E+01	9.019E+00	5.743E+02	3.274E+02	3.039E+02	2.926E+01	3.304E+01	9.019E+00	4.716E+02	4.061E+02	3.854E+02
Z	1	21	6	1	6	6	1	1	6	1	1	1
Z MAXIMUM	1.279E+02	2.541E+01	1.704E+01	1.442E+03	6.184E+02	1.548E+03	8.495E+01	9.593E+01	1.704E+01	7.676E+02	1.020E+03	7.748E+02
GRAND TOTAL	1.763E+02	4.094E+01	3.694E+01	1.727E+03	1.341E+03	2.066E+03	1.266E+02	1.294E+02	3.694E+01	9.827E+02	1.221E+03	1.201E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	21	1	3	11	3	1
X MAXIMUM	7.628E+00	2.414E+01	9.283E+00	8.929E-11	2.335E+02	7.815E+02
Y	2	1	7	11	2	1
Y MAXIMUM	1.112E+01	4.405E+01	9.019E+00	1.313E-10	7.326E+02	1.426E+03
Z	21	1	6	1	1	1
Z MAXIMUM	2.541E+01	1.279E+02	1.704E+01	3.152E-10	8.335E+02	4.140E+03
GRAND TOTAL	4.094E+01	1.763E+02	3.694E+01	4.088E-10	1.390E+03	4.988E+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)
X	1	11	11	0	3	1	1	11	11	0	7	1
X MAXIMUM	1.673E+01	7.688E+00	5.322E+00	0.	2.335E+02	7.815E+02	1.673E+01	7.688E+00	5.322E+00	0.	2.934E+02	5.151E+02
Y	1	11	11	0	2	1	1	11	11	0	1	1
Y MAXIMUM	3.053E+01	1.129E+01	7.814E+00	0.	7.326E+02	1.426E+03	3.053E+01	1.129E+01	7.814E+00	0.	4.186E+02	9.400E+02
Z	1	1	11	0	1	1	1	1	11	0	1	1
Z MAXIMUM	8.864E+01	2.589E+01	9.619E+00	0.	8.335E+02	4.140E+03	8.864E+01	2.589E+01	9.619E+00	0.	1.215E+03	2.729E+03
GRAND TOTAL	1.232E+02	3.715E+01	2.390E+01	0.	1.390E+03	4.988E+03	1.232E+02	3.715E+01	2.390E+01	0.	1.731E+03	3.590E+03

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)
X	1	1	7	0	7	1	1	1	7	0	1	1
X MAXIMUM	1.674E+01	9.539E+00	5.434E+00	0.	2.934E+02	5.151E+02	1.674E+01	9.539E+00	5.434E+00	0.	1.455E-11	3.274E-11
Y	1	1	1	0	1	1	1	1	1	0	1	1
Y MAXIMUM	3.055E+01	1.741E+01	7.752E+00	0.	4.186E+02	9.400E+02	3.055E+01	1.741E+01	7.752E+00	0.	4.120E-11	6.518E-11
Z	1	1	1	0	1	1	1	1	1	0	5	1
Z MAXIMUM	8.868E+01	5.054E+01	2.251E+01	0.	1.215E+03	2.729E+03	8.868E+01	5.054E+01	2.251E+01	0.	7.514E-12	2.391E-10
GRAND TOTAL	1.237E+02	6.649E+01	3.205E+01	0.	1.731E+03	3.590E+03	1.237E+02	6.649E+01	3.205E+01	0.	4.813E-11	2.532E-10

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)
X	3	2	9	2	3	4	3	2	9	2	9	2
X MAXIMUM	1.762E+01	1.450E+01	2.304E+01	1.803E+02	1.056E+03	2.450E+02	1.762E+01	1.450E+01	2.304E+01	1.803E+02	4.361E+02	5.011E+02
Y	1	2	1	2	3	2	1	2	1	2	1	2
Y MAXIMUM	3.210E+01	1.398E+02	2.889E+01	1.738E+03	8.923E+02	7.620E+02	3.210E+01	1.398E+02	2.889E+01	1.738E+03	6.279E+02	4.829E+03
Z	1	6	6	6	6	6	1	6	6	6	6	6
Z MAXIMUM	9.319E+01	2.621E+01	1.124E+02	2.978E+02	1.886E+03	5.645E+02	9.319E+01	2.621E+01	1.124E+02	2.978E+02	2.612E+03	4.840E+02
GRAND TOTAL	1.352E+02	1.476E+02	1.550E+02	1.809E+03	3.400E+03	1.264E+03	1.352E+02	1.476E+02	1.550E+02	1.809E+03	3.551E+03	4.975E+03

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)
X	3	2	3	2	9	2	3	2	3	2	3	2
X MAXIMUM	3.270E+01	6.769E+00	2.317E+01	1.803E+02	4.361E+02	5.011E+02	3.270E+01	6.769E+00	2.317E+01	1.803E+02	5.289E+02	2.304E+02
Y	3	2	1	2	1	2	3	2	1	2	3	2
Y MAXIMUM	2.763E+01	6.523E+01	2.215E+01	1.738E+03	6.279E+02	4.829E+03	2.763E+01	6.523E+01	2.215E+01	1.738E+03	4.470E+02	2.220E+03
Z	1	2	1	6	6	6	1	2	1	6	1	6
Z MAXIMUM	4.593E+01	5.581E+00	6.430E+01	2.978E+02	2.612E+03	4.840E+02	4.593E+01	5.581E+00	6.430E+01	2.978E+02	7.490E+02	4.471E+02
GRAND TOTAL	9.106E+01	6.777E+01	9.897E+01	1.809E+03	3.551E+03	4.975E+03	9.106E+01	6.777E+01	9.897E+01	1.809E+03	1.485E+03	2.371E+03

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	3	2	2	2	3	3	3	2	4	7	3
X MAXIMUM	4.057E+01	2.164E+01	1.019E+01	1.803E+02	2.304E+02	5.289E+02	4.399E+01	1.338E+01	1.019E+01	7.631E+01	5.715E+01	6.531E+02
Y	3	1	2	2	2	3	3	3	2	2	2	1
Y MAXIMUM	3.428E+01	2.543E+01	9.815E+01	1.738E+03	2.220E+03	4.470E+02	3.717E+01	1.131E+01	9.815E+01	7.024E+02	2.790E+02	7.698E+02
Z	3	1	6	6	6	1	1	1	6	1	6	1
Z MAXIMUM	5.096E+01	7.383E+01	1.353E+01	2.978E+02	4.471E+02	7.490E+02	7.943E+01	2.498E+01	1.353E+01	2.635E+02	1.795E+02	2.235E+03
GRAND TOTAL	9.583E+01	1.153E+02	1.014E+02	1.809E+03	2.371E+03	1.485E+03	1.428E+02	4.579E+01	1.014E+02	7.877E+02	3.982E+02	2.831E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	2	2	2	1
X MAXIMUM	2.164E+01	4.057E+01	1.019E+01	1.394E+02	1.894E+02	3.834E+02
Y	1	3	2	2	2	1
Y MAXIMUM	2.543E+01	3.428E+01	9.815E+01	1.343E+03	1.825E+03	6.997E+02
Z	1	3	6	2	1	1
Z MAXIMUM	7.383E+01	5.096E+01	1.353E+01	1.149E+02	4.368E+02	2.031E+03
GRAND TOTAL	1.153E+02	9.583E+01	1.014E+02	1.361E+03	1.960E+03	2.302E+03

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)
X	3	2	3	2	1	2	3	2	3	2	3	2
X MAXIMUM	2.166E+01	1.117E+01	4.468E+01	1.394E+02	3.834E+02	1.894E+02	2.166E+01	1.117E+01	4.468E+01	1.394E+02	2.012E+03	6.531E+02
Y	1	2	3	2	1	2	1	2	3	2	3	2
Y MAXIMUM	2.544E+01	1.077E+02	3.775E+01	1.343E+03	6.997E+02	1.825E+03	2.544E+01	1.077E+02	3.775E+01	1.343E+03	1.700E+03	6.294E+03
Z	1	6	3	2	1	1	1	6	3	2	3	6
Z MAXIMUM	7.385E+01	1.916E+01	5.612E+01	1.149E+02	2.031E+03	4.368E+02	7.385E+01	1.916E+01	5.612E+01	1.149E+02	2.528E+03	9.885E+02
GRAND TOTAL	1.155E+02	1.140E+02	1.032E+02	1.361E+03	2.302E+03	1.960E+03	1.155E+02	1.140E+02	1.032E+02	1.361E+03	4.038E+03	6.632E+03

# SUMMARY OF SUPPORT FORCES/MOMENTS IN GLOBAL/LOCAL SYSTEMS

BDRY= BOUNDARY ELEMENTS (SPRING)  
 THAM= THERMAL ANCHOR MOTION  
 SEAM= SEISMIC ANCHOR MOTION  
 SNBR= SNUBBER ELEMENT

LOAD CASE 1 BENCHMARK PROBLEM 2 SRSS

KIND OF SUPPORT	NODE NUMBER	FX	FY	GLOBAL COMPONENTS			MY	MZ	LOCAL COMPONENTS	
				FZ	MX				FL	ML
BDRY	1	53	0	0	0		0	0	53	0
BDRY	1	0	46	0	0		0	0	46	0
BDRY	1	0	0	113	0		0	0	113	0
BDRY	7	0	0	441	0		0	0	441	0
BDRY	9	257	0	0	0		0	0	257	0
BDRY	11	0	123	0	0		0	0	123	0
BDRY	13	0	98	0	0		0	0	98	0
BDRY	15	111	111	156	0		0	0	221	0
BDRY	17	32	0	0	0		0	0	32	0
BDRY	17	0	124	0	0		0	0	124	0
BDRY	17	0	0	66	0		0	0	66	0
BDRY	21	103	0	0	0		0	0	103	0
BDRY	21	0	114	0	0		0	0	114	0
BDRY	21	0	0	116	0		0	0	116	0



Problem 2c

Independent Support Motion Solution  
Absolute Group Combination



COMBINATION OF INDIVIDUAL SUPPORT GROUP RESPONSES

KIND=1 SUPPORT COMBINATION AFTER SAP SUMMATION

KIND=1 SUPPORT COMBINATION DONE FIRST

GROUP COMBINATION TYPE= 2

ALGEBRAIC METHOD	= 1
ABSOLUTE METHOD	= 2
SRSS METHOD	= 3

N O D E N O D E N U M B E R	D I S P L A C E M E N T S / R O T A T I O N S M O D E N U M B E R							A C C E L E R A T I O N S I N G ' S		
		X- T R A N S L A T I O N	Y- T R A N S L A T I O N	Z- T R A N S L A T I O N	X- R O T A T I O N	Y- R O T A T I O N	Z- R O T A T I O N	X- D I R E C T I O N	Y- D I R E C T I O N	Z- D I R E C T I O N
1	TOTAL	7.63867E-09	6.96148E-09	1.55641E-08	0.	0.	0.			
2	TOTAL	8.96306E-03	2.96087E-05	2.19922E-02	7.02403E-04	4.00084E-04	2.84679E-04			
3	TOTAL	2.76147E-02	5.89965E-05	6.79826E-02	9.06483E-04	8.00168E-04	3.81986E-04			
4	TOTAL	3.72577E-02	4.41149E-03	8.00211E-02	7.95017E-04	1.05747E-03	4.26417E-04			
5	TOTAL	4.11418E-02	1.56555E-02	5.56616E-02	6.55607E-04	1.44250E-03	4.50539E-04			
6	TOTAL	4.11385E-02	2.34876E-02	2.88626E-02	6.04802E-04	1.55982E-03	4.40676E-04			
7	TOTAL	4.11332E-02	3.10171E-02	6.07336E-06	5.55635E-04	1.67234E-03	4.18065E-04			
8	TOTAL	2.37136E-02	3.55177E-02	4.33952E-02	4.92257E-04	1.45729E-03	3.42225E-04			
9	TOTAL	3.50486E-06	2.88350E-02	5.55612E-02	3.98413E-04	3.63557E-04	3.14483E-04			
10	TOTAL	4.32290E-03	2.26767E-02	5.56452E-02	3.43869E-04	1.95385E-04	3.12662E-04			
11	TOTAL	7.65364E-03	1.84326E-02	5.57256E-02	2.64261E-04	3.71741E-04	3.24081E-04			
12	TOTAL	1.47958E-02	1.64498E-02	5.58024E-02	1.82269E-04	4.97312E-04	3.47434E-04			
13	TOTAL	2.50916E-02	1.46223E-02	5.58514E-02	1.60111E-04	6.17795E-04	3.42604E-04			
14	TOTAL	7.40647E-02	7.35698E-03	5.59924E-02	1.59900E-04	7.48912E-04	4.54469E-04			
15	TOTAL	7.89124E-02	1.42987E-04	5.62781E-02	2.37752E-04	6.76133E-04	6.36275E-04			
16	TOTAL	4.20217E-02	7.13021E-05	3.54936E-02	5.54149E-04	6.76133E-04	7.34129E-04			
17	TOTAL	4.52006E-09	1.69039E-08	9.08949E-09	7.05058E-04	6.76133E-04	7.93620E-04			

18 TOTAL	1 48413E-02	2 81037E-02	3 71955E-02	1 81587E-04	5 08445E-04	2 02965E-04
19 TOTAL	1 48410E-02	2 92205E-02	1 54898E-02	3 07858E-04	5 53901E-04	1 12972E-04
20 TOTAL	4 93285E-03	8 46971E-03	5 10914E-05	3 33611E-04	1 92768E-04	1 38352E-04
21 TOTAL	1 51682E-08	1 69874E-08	1 57597E-08	0.	0.	0.
22 TOTAL	0.	0.	0.	0.	0.	0.
23 TOTAL	0.	0.	0.	0.	0.	0.
24 TOTAL	0.	0.	0.	0.	0.	0.
25 TOTAL	0.	0.	0.	0.	0.	0.
26 TOTAL	0.	0.	0.	0.	0.	0.
27 TOTAL	0.	0.	0.	0.	0.	0.
28 TOTAL	0.	0.	0.	0.	0.	0.
29 TOTAL	0.	0.	0.	0.	0.	0.
30 TOTAL	0.	0.	0.	0.	0.	0.
31 TOTAL	0.	0.	0.	0.	0.	0.
32 TOTAL	0.	0.	0.	0.	0.	0.
33 TOTAL	0.	0.	0.	0.	0.	0.
34 TOTAL	0.	0.	0.	0.	0.	0.
35 TOTAL	0.	0.	0.	0.	0.	0.

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)
X	4	1	10	1	1	1	4	1	10	1	1	1
X MAXIMUM	1.248E+01	3.282E+01	1.685E+01	1.036E+03	1.268E+03	3.263E+03	1.248E+01	3.282E+01	1.685E+01	1.036E+03	6.232E+02	1.476E+03
Y	4	1	2	1	1	1	4	1	2	1	1	1
Y MAXIMUM	3.896E+01	4.970E+01	2.561E+01	1.569E+03	1.920E+03	4.941E+03	3.896E+01	4.970E+01	2.561E+01	1.569E+03	9.436E+02	2.235E+03
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	2.609E+01	1.260E+02	4.548E+01	3.978E+03	4.869E+03	1.253E+04	2.609E+01	1.260E+02	4.548E+01	3.978E+03	2.393E+03	5.668E+03
GRAND TOTAL	6.961E+01	1.556E+02	7.639E+01	4.498E+03	5.959E+03	1.438E+04	6.961E+01	1.556E+02	7.639E+01	4.498E+03	2.787E+03	6.317E+03

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)
X	4	1	1	1	1	1	4	1	1	1	4	5
X MAXIMUM	1.246E+01	2.747E+01	9.733E+00	1.036E+03	6.232E+02	1.476E+03	1.246E+01	2.747E+01	9.733E+00	1.036E+03	3.826E+02	2.714E+02
Y	4	1	2	1	1	1	4	1	2	1	2	4
Y MAXIMUM	3.890E+01	4.159E+01	2.287E+01	1.569E+03	9.436E+02	2.235E+03	3.890E+01	4.159E+01	2.287E+01	1.569E+03	1.456E+03	4.355E+02
Z	1	1	1	1	1	1	1	1	1	1	4	6
Z MAXIMUM	2.608E+01	1.055E+02	3.737E+01	3.978E+03	2.393E+03	5.668E+03	2.608E+01	1.055E+02	3.737E+01	3.978E+03	6.167E+02	1.045E+03
GRAND TOTAL	6.912E+01	1.217E+02	5.605E+01	4.498E+03	2.787E+03	6.317E+03	6.912E+01	1.217E+02	5.605E+01	4.498E+03	2.194E+03	1.542E+03

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)
X	4	10	1	1	5	4	4	10	1	1	1	4
X MAXIMUM	1.243E+01	1.312E+01	1.472E+01	1.036E+03	2.714E+02	3.826E+02	1.288E+01	1.423E+01	1.472E+01	9.089E+02	6.191E+02	3.989E+02
Y	4	2	1	1	4	2	4	1	1	1	1	2
Y MAXIMUM	3.880E+01	1.975E+01	2.229E+01	1.569E+03	4.355E+02	1.456E+03	4.020E+01	1.034E+01	2.229E+01	1.376E+03	9.374E+02	1.641E+03
Z	1	1	1	1	6	4	4	1	1	1	1	4
Z MAXIMUM	2.606E+01	1.760E+01	5.654E+01	3.978E+03	1.045E+03	6.157E+02	2.076E+01	2.623E+01	5.654E+01	3.490E+03	2.377E+03	6.430E+02
GRAND TOTAL	6.848E+01	4.165E+01	7.057E+01	4.498E+03	1.542E+03	2.194E+03	6.965E+01	3.967E+01	7.057E+01	3.897E+03	2.963E+03	2.276E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	10	1	1	1	4
X MAXIMUM	1.137E+01	1.317E+01	1.472E+01	5.621E+02	1.124E+03	3.440E+02
Y	2	4	1	1	1	2
Y MAXIMUM	3.685E+01	1.939E+01	2.229E+01	8.511E+02	1.702E+03	1.619E+03
Z	4	1	1	1	1	4
Z MAXIMUM	1.832E+01	3.087E+01	5.654E+01	2.158E+03	4.317E+03	5.545E+02
GRAND TOTAL	6.365E+01	4.871E+01	7.057E+01	2.449E+03	4.886E+03	2.162E+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(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	10	5	1	1	4	9	4	5	4	1	10
X MAXIMUM	1.331E+01	1.254E+01	1.316E+01	5.621E+02	1.124E+03	3.440E+02	1.573E+01	1.001E+01	1.316E+01	1.398E+02	1.314E+03	2.555E+02
Y	2	4	5	1	1	2	2	4	5	4	1	2
Y MAXIMUM	3.600E+01	2.046E+01	1.910E+01	8.511E+02	1.702E+03	1.619E+03	3.015E+01	3.124E+01	1.910E+01	4.365E+02	1.990E+03	1.407E+03
Z	1	1	6	1	1	4	6	1	6	1	1	1
Z MAXIMUM	1.764E+01	1.627E+01	4.984E+01	2.158E+03	4.317E+03	5.545E+02	1.780E+01	2.178E+01	4.984E+01	2.958E+02	5.047E+03	6.453E+02
GRAND TOTAL	6.673E+01	4.169E+01	6.976E+01	2.449E+03	4.886E+03	2.162E+03	5.738E+01	5.384E+01	6.976E+01	7.722E+02	5.598E+03	1.856E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	4	5	1	1	10
X MAXIMUM	1.575E+01	1.194E+01	1.316E+01	4.439E+02	1.304E+03	3.323E+02
Y	2	4	5	1	1	2
Y MAXIMUM	1.972E+01	3.726E+01	1.910E+01	6.721E+02	1.975E+03	1.028E+03
Z	6	1	6	1	1	1
Z MAXIMUM	1.577E+01	2.398E+01	4.984E+01	1.704E+03	5.008E+03	9.757E+02
GRAND TOTAL	4.490E+01	6.461E+01	6.976E+01	2.026E+03	5.661E+03	1.626E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	4	5	1	1	10	9	4	5	1	1	1
X MAXIMUM	2.051E+01	9.749E+00	1.669E+01	4.439E+02	1.304E+03	3.323E+02	2.051E+01	9.749E+00	1.669E+01	4.439E+02	1.277E+03	3.403E+02
Y	2	4	5	1	1	2	2	4	5	1	1	2
Y MAXIMUM	2.133E+01	3.044E+01	2.423E+01	6.721E+02	1.975E+03	1.028E+03	2.133E+01	3.044E+01	2.423E+01	6.721E+02	1.933E+03	5.668E+02
Z	6	1	6	1	1	1	6	1	6	1	1	1
Z MAXIMUM	2.327E+01	1.854E+01	5.964E+01	1.704E+03	5.008E+03	9.757E+02	2.327E+01	1.854E+01	5.964E+01	1.704E+03	4.903E+03	1.307E+03
GRAND TOTAL	6.016E+01	5.153E+01	8.312E+01	2.026E+03	5.661E+03	1.626E+03	6.016E+01	5.153E+01	8.312E+01	2.026E+03	6.009E+03	1.715E+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)
X	9	4	5	1	1	1	9	4	5	1	1	1
X MAXIMUM	2.416E+01	6.974E+00	1.787E+01	4.439E+02	1.277E+03	3.403E+02	2.416E+01	6.974E+00	1.787E+01	4.439E+02	1.208E+03	3.988E+02
Y	2	4	5	1	1	2	2	4	5	1	1	4
Y MAXIMUM	2.258E+01	2.177E+01	2.594E+01	6.721E+02	1.933E+03	5.668E+02	2.258E+01	2.177E+01	2.594E+01	6.721E+02	1.828E+03	7.259E+02
Z	1	1	6	1	1	1	1	1	6	1	1	1
Z MAXIMUM	3.053E+01	1.259E+01	6.242E+01	1.704E+03	4.903E+03	1.307E+03	3.053E+01	1.259E+01	6.242E+01	1.704E+03	4.637E+03	1.531E+03
GRAND TOTAL	7.550E+01	3.749E+01	8.989E+01	2.026E+03	6.009E+03	1.715E+03	7.550E+01	3.749E+01	8.989E+01	2.026E+03	6.588E+03	1.991E+03

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	1	10	1	1	1	1	1	10	1	4	1
X MAXIMUM	2.887E+01	1.355E+02	8.336E+00	4.439E+02	3.988E+02	1.208E+03	4.050E+01	1.299E+02	8.336E+00	5.647E+02	3.036E+02	7.089E+02
Y	2	1	4	1	4	1	1	1	4	1	4	1
Y MAXIMUM	2.419E+01	2.052E+02	6.305E+00	6.721E+02	7.259E+02	1.828E+03	6.131E+01	1.967E+02	6.305E+00	8.550E+02	9.478E+02	1.073E+03
Z	1	1	15	1	1	1	1	1	15	1	1	1
Z MAXIMUM	4.722E+01	5.203E+02	8.010E+00	1.704E+03	1.531E+03	4.637E+03	1.555E+02	4.988E+02	8.010E+00	2.168E+03	8.014E+02	2.722E+03
GRAND TOTAL	9.742E+01	5.967E+02	2.143E+01	2.026E+03	1.991E+03	6.588E+03	1.992E+02	5.709E+02	2.143E+01	2.463E+03	1.473E+03	3.825E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	1	10	1	4	1
X MAXIMUM	8.712E+01	1.045E+02	8.336E+00	6.036E+02	3.285E+02	2.402E+03
Y	1	1	4	1	4	1
Y MAXIMUM	1.319E+02	1.582E+02	6.305E+00	9.139E+02	1.025E+03	3.636E+03
Z	1	1	15	1	4	1
Z MAXIMUM	3.345E+02	4.013E+02	8.010E+00	2.318E+03	5.294E+02	9.221E+03
GRAND TOTAL	3.921E+02	4.603E+02	2.143E+01	2.634E+03	1.268E+03	1.031E+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(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	1	4	1	4	1	1	1	4	1	1	1
X MAXIMUM	8.095E+01	1.027E+02	5.183E+00	6.036E+02	3.285E+02	2.402E+03	1.141E+02	6.388E+01	5.183E+00	5.460E+02	2.768E+02	3.604E+03
Y	1	1	2	1	4	1	1	1	2	1	4	1
Y MAXIMUM	1.226E+02	1.554E+02	1.742E+01	9.139E+02	1.025E+03	3.636E+03	1.727E+02	9.671E+01	1.742E+01	8.266E+02	6.346E+02	5.457E+03
Z	1	1	1	1	4	1	1	1	1	1	1	1
Z MAXIMUM	3.108E+02	3.942E+02	9.314E+00	2.318E+03	5.294E+02	9.221E+03	4.380E+02	2.453E+02	9.314E+00	2.096E+03	1.063E+03	1.384E+04
GRAND TOTAL	3.686E+02	4.532E+02	3.377E+01	2.634E+03	1.268E+03	1.031E+04	5.065E+02	2.911E+02	3.377E+01	2.466E+03	1.434E+03	1.542E+04

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	9	4	1	1	1
X MAXIMUM	1.298E+02	3.357E+01	5.183E+00	3.918E+02	4.984E+02	4.176E+03
Y	1	2	2	4	1	1
Y MAXIMUM	1.966E+02	2.568E+01	1.742E+01	7.157E+02	7.546E+02	6.323E+03
Z	1	1	1	1	1	1
Z MAXIMUM	4.985E+02	5.898E+01	9.314E+00	1.504E+03	1.914E+03	1.604E+04
GRAND TOTAL	5.717E+02	1.200E+02	3.377E+01	1.937E+03	2.187E+03	1.794E+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)
X	1	4	1	1	1	1	1	4	1	1	1	1
X MAXIMUM	1.236E+02	9.791E+00	5.553E+01	3.918E+02	4.176E+03	4.984E+02	1.236E+02	9.791E+00	5.553E+01	3.918E+02	3.038E+03	5.834E+02
Y	1	2	1	4	1	1	1	2	1	4	1	1
Y MAXIMUM	1.871E+02	3.689E+01	8.407E+01	7.157E+02	6.323E+03	7.546E+02	1.871E+02	3.689E+01	8.407E+01	7.157E+02	4.600E+03	8.832E+02
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	4.746E+02	1.592E+01	2.132E+02	1.504E+03	1.604E+04	1.914E+03	4.746E+02	1.592E+01	2.132E+02	1.504E+03	1.166E+04	2.240E+03
GRAND TOTAL	5.449E+02	5.686E+01	2.697E+02	1.937E+03	1.794E+04	2.187E+03	5.449E+02	5.686E+01	2.697E+02	1.937E+03	1.297E+04	2.735E+03

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)
X	1	4	1	1	1	1	1	4	1	1	1	1
X MAXIMUM	1.184E+02	1.225E+01	5.572E+01	3.918E+02	3.038E+03	5.834E+02	1.184E+02	1.225E+01	5.572E+01	3.918E+02	1.896E+03	6.858E+02
Y	1	2	1	4	1	1	1	2	1	4	1	2
Y MAXIMUM	1.792E+02	5.130E+01	8.436E+01	7.157E+02	4.600E+03	8.832E+02	1.792E+02	5.130E+01	8.436E+01	7.157E+02	2.870E+03	1.806E+03
Z	1	4	1	1	1	1	1	4	1	1	1	1
Z MAXIMUM	4.545E+02	1.974E+01	2.140E+02	1.504E+03	1.166E+04	2.240E+03	4.545E+02	1.974E+01	2.140E+02	1.504E+03	7.279E+03	2.633E+03
GRAND TOTAL	5.226E+02	7.465E+01	2.686E+02	1.937E+03	1.297E+04	2.735E+03	5.226E+02	7.465E+01	2.686E+02	1.937E+03	8.651E+03	3.830E+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)
X	1	2	1	1	1	1	1	2	1	1	3	1
X MAXIMUM	1.131E+02	1.335E+01	5.547E+01	3.918E+02	1.896E+03	6.858E+02	1.131E+02	1.335E+01	5.547E+01	3.918E+02	2.462E+03	5.986E+02
Y	1	2	1	4	1	2	1	2	1	4	3	4
Y MAXIMUM	1.713E+02	1.099E+02	8.398E+01	7.157E+02	2.870E+03	1.806E+03	1.713E+02	1.099E+02	8.398E+01	7.157E+02	1.957E+03	1.599E+03
Z	1	1	1	1	1	1	1	1	1	1	6	1
Z MAXIMUM	4.344E+02	1.632E+01	2.130E+02	1.504E+03	7.279E+03	2.633E+03	4.344E+02	1.632E+01	2.130E+02	1.504E+03	3.114E+03	2.299E+03
GRAND TOTAL	5.004E+02	1.162E+02	2.642E+02	1.937E+03	8.651E+03	3.830E+03	5.004E+02	1.162E+02	2.642E+02	1.937E+03	6.357E+03	3.365E+03



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)
X	1	2	1	1	1	1	1	2	1	1	3	1
X MAXIMUM	7.317E+01	1.491E+01	2.039E+01	5.090E+02	1.299E+03	5.312E+02	7.317E+01	1.491E+01	2.039E+01	5.090E+02	8.949E+02	4.218E+02
Y	1	2	1	2	1	2	1	2	1	2	1	4
Y MAXIMUM	1.108E+02	1.228E+02	3.087E+01	8.602E+02	1.967E+03	3.050E+03	1.108E+02	1.228E+02	3.087E+01	8.602E+02	1.334E+03	1.187E+03
Z	1	6	1	1	1	1	1	6	1	1	1	1
Z MAXIMUM	2.809E+02	2.271E+01	7.829E+01	1.954E+03	4.989E+03	2.040E+03	2.809E+02	2.271E+01	7.829E+01	1.954E+03	3.384E+03	1.620E+03
GRAND TOTAL	3.327E+02	1.322E+02	9.564E+01	2.424E+03	5.948E+03	4.412E+03	3.327E+02	1.322E+02	9.564E+01	2.424E+03	4.200E+03	2.462E+03

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)
X	1	5	1	1	3	1	1	5	1	1	3	5
X MAXIMUM	6.152E+01	6.935E+00	1.555E+01	5.090E+02	8.949E+02	4.218E+02	6.152E+01	6.935E+00	1.555E+01	5.090E+02	5.517E+02	3.597E+02
Y	1	4	1	2	1	4	1	4	1	2	7	5
Y MAXIMUM	9.314E+01	1.054E+01	2.354E+01	8.602E+02	1.334E+03	1.187E+03	9.314E+01	1.054E+01	2.354E+01	8.602E+02	4.412E+02	5.221E+02
Z	1	6	1	1	1	1	1	6	1	1	1	6
Z MAXIMUM	2.362E+02	3.079E+01	5.970E+01	1.954E+03	3.384E+03	1.620E+03	2.362E+02	3.079E+01	5.970E+01	1.954E+03	8.245E+02	1.861E+03
GRAND TOTAL	2.905E+02	4.488E+01	7.450E+01	2.424E+03	4.200E+03	2.462E+03	2.905E+02	4.488E+01	7.450E+01	2.424E+03	1.878E+03	2.700E+03

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	21	3	1	3	5	1	1	3	1	1	1
X MAXIMUM	4.515E+01	9.107E+00	1.520E+01	5.090E+02	5.517E+02	3.597E+02	2.999E+01	3.387E+01	1.520E+01	2.710E+02	3.599E+02	2.736E+02
Y	1	2	7	2	7	5	1	1	7	2	2	2
Y MAXIMUM	6.836E+01	1.666E+01	1.216E+01	8.602E+02	4.412E+02	5.221E+02	4.541E+01	5.128E+01	1.216E+01	7.064E+02	6.082E+02	5.772E+02
Z	1	21	1	1	1	6	1	1	1	1	1	1
Z MAXIMUM	1.734E+02	2.631E+01	2.271E+01	1.954E+03	8.245E+02	1.861E+03	1.152E+02	1.300E+02	2.271E+01	1.040E+03	1.382E+03	1.050E+03
GRAND TOTAL	2.388E+02	5.288E+01	5.174E+01	2.424E+03	1.878E+03	2.700E+03	1.692E+02	1.765E+02	5.174E+01	1.400E+03	1.714E+03	1.642E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	21	1	3	1	3	1
X MAXIMUM	9.107E+00	4.515E+01	1.520E+01	1.273E-10	3.823E+02	1.462E+03
Y	2	1	7	11	2	1
Y MAXIMUM	1.666E+01	6.836E+01	1.216E+01	2.064E-10	1.097E+03	2.213E+03
Z	21	1	1	1	1	1
Z MAXIMUM	2.631E+01	1.734E+02	2.271E+01	4.320E-10	1.130E+03	5.612E+03
GRAND TOTAL	5.288E+01	2.388E+02	5.174E+01	5.664E-10	1.999E+03	6.898E+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)
X	1	11	14	0	3	1	1	11	14	0	9	1
X MAXIMUM	3.129E+01	1.003E+01	6.954E+00	0.	3.823E+02	1.462E+03	3.129E+01	1.003E+01	6.954E+00	0.	5.096E+02	9.634E+02
Y	1	11	11	0	2	1	1	11	11	0	1	1
Y MAXIMUM	4.738E+01	1.775E+01	1.229E+01	0.	1.097E+03	2.213E+03	4.738E+01	1.775E+01	1.229E+01	0.	6.496E+02	1.459E+03
Z	1	1	11	0	1	1	1	1	11	0	1	1
Z MAXIMUM	1.202E+02	3.510E+01	1.107E+01	0.	1.130E+03	5.612E+03	1.202E+02	3.510E+01	1.107E+01	0.	1.647E+03	3.699E+03
GRAND TOTAL	1.684E+02	5.078E+01	3.262E+01	0.	1.999E+03	6.898E+03	1.684E+02	5.078E+01	3.262E+01	0.	2.441E+03	4.908E+03



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)
X	1	1	9	0	9	1	1	1	9	0	1	1
X MAXIMUM	3.131E+01	1.784E+01	9.437E+00	0.	5.096E+02	9.634E+02	3.131E+01	1.784E+01	9.437E+00	0.	1.455E-11	4.729E-11
Y	1	1	1	0	1	1	1	1	1	0	1	1
Y MAXIMUM	4.740E+01	2.701E+01	1.203E+01	0.	6.496E+02	1.459E+03	4.740E+01	2.701E+01	1.203E+01	0.	6.003E-11	9.095E-11
Z	1	1	1	0	1	1	1	1	1	0	5	1
Z MAXIMUM	1.202E+02	6.851E+01	3.051E+01	0.	1.647E+03	3.699E+03	1.202E+02	6.851E+01	3.051E+01	0.	9.550E-12	3.201E-10
GRAND TOTAL	1.690E+02	9.089E+01	4.520E+01	0.	2.441E+03	4.908E+03	1.690E+02	9.089E+01	4.520E+01	0.	6.696E-11	3.405E-10

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)
X	1	2	9	2	3	4	1	2	9	2	9	2
X MAXIMUM	3.290E+01	2.542E+01	4.010E+01	3.160E+02	1.729E+03	2.627E+02	3.290E+01	2.542E+01	4.010E+01	3.160E+02	7.591E+02	8.781E+02
Y	1	2	1	2	3	2	1	2	1	2	1	2
Y MAXIMUM	4.981E+01	2.094E+02	4.483E+01	2.603E+03	1.375E+03	1.141E+03	4.981E+01	2.094E+02	4.483E+01	2.603E+03	9.744E+02	7.233E+03
Z	1	6	6	6	6	6	1	6	6	6	6	1
Z MAXIMUM	1.263E+02	3.150E+01	1.351E+02	3.579E+02	2.267E+03	6.784E+02	1.263E+02	3.150E+01	1.351E+02	3.579E+02	3.139E+03	6.355E+02
GRAND TOTAL	1.820E+02	2.206E+02	2.045E+02	2.696E+03	4.761E+03	1.862E+03	1.820E+02	2.206E+02	2.045E+02	2.696E+03	4.677E+03	7.446E+03

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)
X	3	2	3	2	9	2	3	2	3	2	3	2
X MAXIMUM	5.354E+01	1.186E+01	3.793E+01	3.160E+02	7.591E+02	8.781E+02	5.354E+01	1.186E+01	3.793E+01	3.160E+02	8.660E+02	4.037E+02
Y	3	2	1	2	1	2	3	2	1	2	3	2
Y MAXIMUM	4.258E+01	9.770E+01	3.437E+01	2.603E+03	9.744E+02	7.233E+03	4.258E+01	9.770E+01	3.437E+01	2.603E+03	6.886E+02	3.325E+03
Z	1	2	1	6	6	1	1	2	1	6	1	6
Z MAXIMUM	6.226E+01	7.458E+00	8.716E+01	3.579E+02	3.139E+03	6.355E+02	6.226E+01	7.458E+00	8.716E+01	3.579E+02	1.015E+03	5.374E+02
GRAND TOTAL	1.303E+02	1.014E+02	1.370E+02	2.696E+03	4.677E+03	7.446E+03	1.303E+02	1.014E+02	1.370E+02	2.696E+03	2.118E+03	3.532E+03

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	3	2	2	2	3	3	3	2	2	7	3
X MAXIMUM	6.643E+01	3.544E+01	1.785E+01	3.160E+02	4.037E+02	8.660E+02	7.203E+01	2.191E+01	1.785E+01	1.277E+02	9.247E+01	1.069E+03
Y	3	1	2	2	2	3	3	3	2	2	2	1
Y MAXIMUM	5.282E+01	3.946E+01	1.470E+02	2.603E+03	3.325E+03	6.886E+02	5.728E+01	1.743E+01	1.470E+02	1.052E+03	4.179E+02	1.195E+03
Z	3	1	6	6	6	1	1	1	6	1	6	1
Z MAXIMUM	7.286E+01	1.001E+02	1.626E+01	3.579E+02	5.374E+02	1.015E+03	1.077E+02	3.386E+01	1.626E+01	3.572E+02	2.157E+02	3.029E+03
GRAND TOTAL	1.404E+02	1.573E+02	1.516E+02	2.696E+03	3.532E+03	2.118E+03	2.010E+02	6.370E+01	1.516E+02	1.179E+03	5.663E+02	3.998E+03

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	2	2	2	1
X MAXIMUM	3.544E+01	6.643E+01	1.785E+01	2.442E+02	3.319E+02	7.172E+02
Y	1	3	2	2	2	1
Y MAXIMUM	3.946E+01	5.282E+01	1.470E+02	2.012E+03	2.734E+03	1.086E+03
Z	1	3	6	2	1	1
Z MAXIMUM	1.001E+02	7.286E+01	1.626E+01	1.536E+02	5.921E+02	2.754E+03
GRAND TOTAL	1.573E+02	1.404E+02	1.516E+02	2.041E+03	2.935E+03	3.192E+03

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

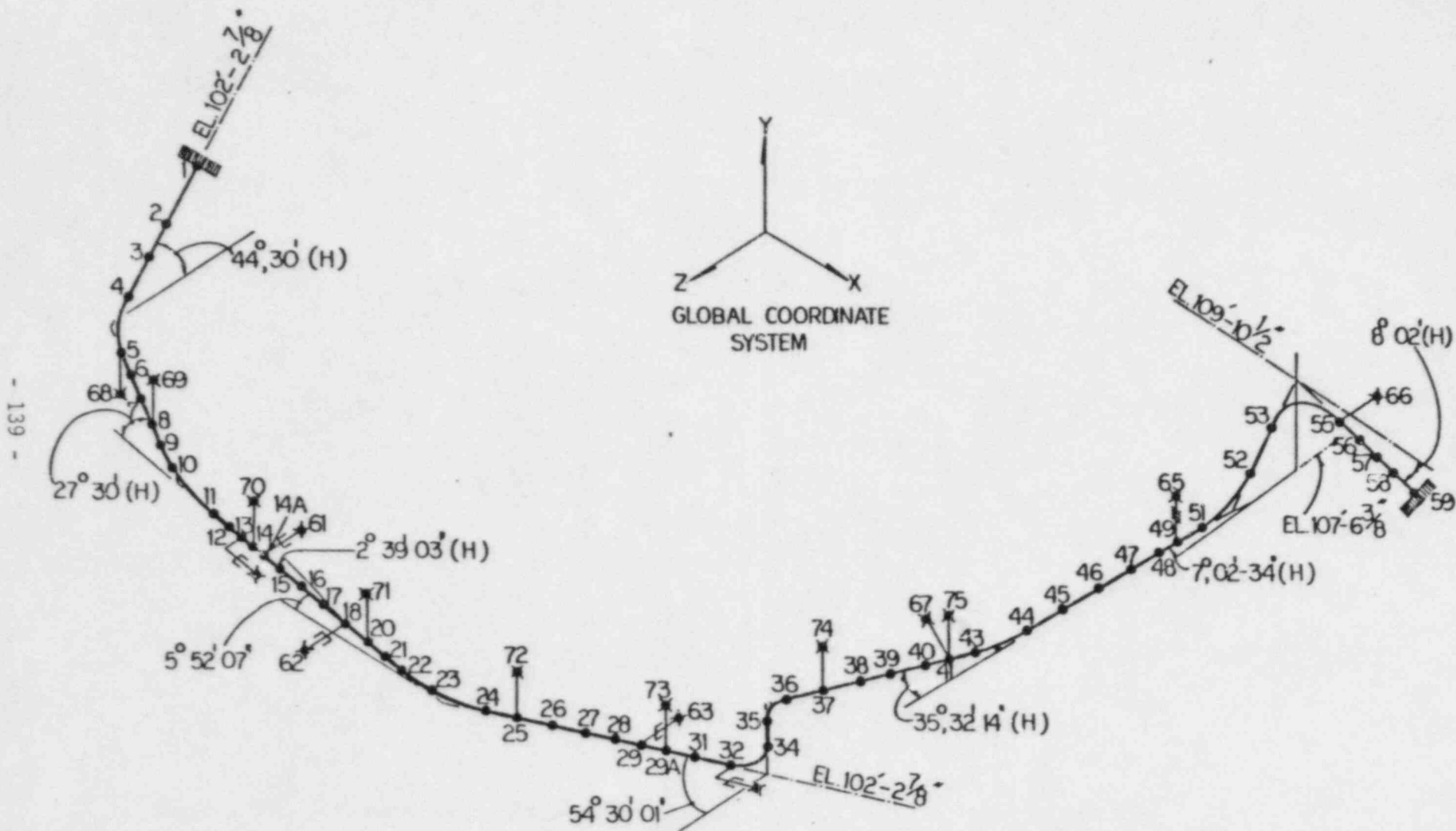
	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	2	3	2	1	2	3	2	3	2	3	2
X MAXIMUM	3.547E+01	1.958E+01	7.315E+01	2.442E+02	7.172E+02	3.319E+02	3.547E+01	1.958E+01	7.315E+01	2.442E+02	3.295E+03	1.145E+03
Y	1	2	3	2	1	2	1	2	3	2	3	2
Y MAXIMUM	3.948E+01	1.613E+02	5.817E+01	2.012E+03	1.086E+03	2.734E+03	3.948E+01	1.613E+02	5.817E+01	2.012E+03	2.620E+03	9.427E+03
Z	1	6	3	2	1	1	1	6	3	2	3	6
Z MAXIMUM	1.001E+02	2.303E+01	8.024E+01	1.536E+02	2.754E+03	5.921E+02	1.001E+02	2.303E+01	8.024E+01	1.536E+02	3.614E+03	1.188E+03
GRAND TOTAL	1.576E+02	1.699E+02	1.517E+02	2.041E+03	3.192E+03	2.935E+03	1.576E+02	1.699E+02	1.517E+02	2.041E+03	6.079E+03	9.904E+03

# SUMMARY OF SUPPORT FORCES/MOMENTS IN GLOBAL/LOCAL SYSTEMS

BORY= BOUNDARY ELEMENTS (SPRING)  
 THAM= THERMAL ANCHOR MOTION  
 SEAM= SEISMIC ANCHOR MOTION  
 SNBR= SNUBBER ELEMENT

LOAD CASE		BENCHMARK PROBLEM 2 ABSOLUTE									
END OF SUPPORT	NODE NUMBER	FX	FY	FZ	GLOBAL COMPONENTS			MY	MZ	LOCAL COMPONENTS	
										FL	ML
BORY	1	76.	0.	0.	0.	0.	0.	0.	0.	76.	0.
BORY	1	0.	70.	0.	0.	0.	0.	0.	0.	70.	0.
BORY	1	0.	0.	156.	0.	0.	0.	0.	0.	156.	0.
BORY	7	0.	0.	607.	0.	0.	0.	0.	0.	607.	0.
BORY	9	350.	0.	0.	0.	0.	0.	0.	0.	350.	0.
BORY	11	0.	184.	0.	0.	0.	0.	0.	0.	184.	0.
BORY	13	0.	146.	0.	0.	0.	0.	0.	0.	146.	0.
BORY	15	151.	151.	212.	0.	0.	0.	0.	0.	301.	0.
BORY	17	45.	0.	0.	0.	0.	0.	0.	0.	45.	0.
BORY	17	0.	169.	0.	0.	0.	0.	0.	0.	169.	0.
BORY	17	0.	0.	91.	0.	0.	0.	0.	0.	91.	0.
BORY	21	152.	0.	0.	0.	0.	0.	0.	0.	152.	0.
BORY	21	0.	170.	0.	0.	0.	0.	0.	0.	170.	0.
BORY	21	0.	0.	158.	0.	0.	0.	0.	0.	158.	0.

Problem 3



BENCHMARK PROBLEM NO. 3

IND. SUP. MOT. BENCHMARK PROB. 3

CONTROL INFORMATION

NUMBER OF NODAL POINTS = 75  
 NUMBER OF ELEMENT TYPES = 3  
 NUMBER OF STATIC LOAD CASES = 0  
 NUMBER OF DYNAMIC LOAD CASES = 4  
 SEISMIC ANCHOR MOVEMENT CASES = 0  
 EQ.0 NO  
 EQ.1 SINGLE ANALYSIS  
 EQ.3 EACH DIRECTION  
 ANALYSED SEPARATELY  
 NUMBER OF FREQUENCIES = 15  
 SOLUTION MODE (MODEX) = 0  
 EQ.0, EXECUTION  
 EQ.1, DATA CHECK  
 STRESS CALCULATION FLAG = 0  
 EQ.0 NO  
 EQ.1 YES  
 ASME CODE EVALUATION FLAG = 0  
 EQ.1 CLASS 1 PIPING  
 EQ.2 CLASS2 OR CLASS 3 PIPING  
 ACCELERATION GRAVITY = 386.

ANALYSIS CODE INFORMATION

EQ.0, STATIC  
 EQ.1, ANCHOR MOVEMENTS  
 EQ.2, FORCED RESPONSE  
 EQ.3, RESPONSE SPECTRUM  
 EQ.4, DIRECT INTEGRATION  
 EQ.5, MULTIPLE TIME HISTORY  
 EQ.6, MULTIPLE SPECTRUM  
 CASE CODE

1	6
2	6
3	3
4	3

NODAL POINT INPUT DATA

NODE NUMBER	BOUNDARY CONDITION CODES							NODAL POINT COORDINATES				
	X	Y	Z	XX	YY	ZZ	X	Y	Z	T		
1	0	0	0	0	0	0	0.000	1226.875	0.000	0	0.000	
2	0	0	0	0	0	0	30.021	1226.875	30.550	0	0.000	
3	0	0	0	0	0	0	60.042	1226.875	61.100	0	0.000	
4	0	0	0	0	0	0	90.064	1226.875	91.651	0	0.000	
5	0	0	0	0	0	0	105.154	1226.875	102.817	0	0.000	
6	0	0	0	0	0	0	139.302	1226.875	120.593	0	0.000	
7	0	0	0	0	0	0	181.878	1226.875	142.757	0	0.000	
8	0	0	0	0	0	0	224.435	1226.875	164.922	0	0.000	
9	0	0	0	0	0	0	243.383	1226.875	174.774	0	0.000	
10	0	0	0	0	0	0	262.311	1226.875	184.628	0	0.000	





72	1	1	1	1	1	1	814.057	1236.875	184.079	0	0 000
73	1	1	1	1	1	1	978.101	1236.875	67.067	0	0 000
74	1	1	1	1	1	1	1081.623	1300.375	-20.480	0	0 000
75	1	1	1	1	1	1	1190.531	1300.375	-172.154	0	0 000
1X	1	1	1	1	1	1	10.000	1226.875	0.000	0	0 000
1Y	1	1	1	1	1	1	0.000	1236.875	0.000	0	0 000
1Z	1	1	1	1	1	1	0.000	1226.875	10.000	0	0 000
59X	1	1	1	1	1	1	1345.328	1318.500	-425.693	0	0 000
59Y	1	1	1	1	1	1	1355.328	1328.500	-425.693	0	0 000
59Z	1	1	1	1	1	1	1355.328	1318.500	-415.693	0	0 000

# PIPE ELEMENT INPUT DATA

## CONTROL INFORMATION

NUMBER OF PIPE ELEMENTS = 54  
 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 = 3  
 FLAG FOR NEGLECTING AXIAL  
 DEFORMATIONS IN BEND ELEMENTS (EQ. 1, NEGLECT) = 0

## 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	.277E+08	.300	0.

# SECTION PROPERTY TABLE

SECTION NUMBER	OUTSIDE DIAMETER	WALL THICKNESS	SHAPE FACTOR FOR SHEAR	WEIGHT/ UNIT LENGTH	MASS/ UNIT LENGTH	DESCRIPTION
1	12.750	.3750	0.0000	.8708E+01	.2254E-01	

# ELEMENT LOAD CASE MULTIPLIERS

	CASE A	CASE B	CASE C	CASE D
X-DIRECTION GRAVITY	1.000	1.000	1.000	1.000
Y-DIRECTION GRAVITY	1.000	1.000	1.000	1.000
Z-DIRECTION GRAVITY	1.000	1.000	1.000	1.000
THERMAL DISTORTION	1.000	1.000	1.000	1.000
PRESSURE DISTORTION	1.000	1.000	1.000	1.000

PIPE ELEMENT INPUT DATA										E N D S				C O D E		Z3-		INCREMENT		INPUT	
ELEMENT NUMBER	ELEMENT TYPE	NODE -1	NODE -J	MATL. NUMBER	SECTION NUMBER	REFERENCE TEMPERATURE (BEND RADIUS)	INTERNAL PRESSURE (THIRD POINT)	(X3- ORIGINATE)	(Y3- ORIGINATE)	END-J	(Z3- ORIGINATE)	(WALL FRACTION)	NODE INCREMENT	END-J		Z3-		INCREMENT		INPUT	
1	TANGENT	1	2		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	TANGENT	2	3		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	TANGENT	3	4		1	400.00	615.00	1	1	7	1	1	1	1	1	1	1	1	1	1	1
4	TANGENT	5	6		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	TANGENT	6	7		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	TANGENT	7	8		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	TANGENT	8	9		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	TANGENT	9	10		1	400.00	615.00	1	1	7	1	1	1	1	1	1	1	1	1	1	1
9	TANGENT	11	12		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	TANGENT	12	13		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	TANGENT	13	14		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	TANGENT	14	14A		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	TANGENT	14A	15		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	TANGENT	15	16		1	400.00	615.00	1	1	7	1	1	1	1	1	1	1	1	1	1	1
15	TANGENT	17	18		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	TANGENT	18	20		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	TANGENT	20	21		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	TANGENT	21	22		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	TANGENT	22	23		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	BEND	23	24		1	400.00	615.00	1	1	2	2	2	2	2	2	2	2	2	2	2	2
						( 60.000 )	( 11 )	( 791.160 )	( 1226.875 )	( 200.411 )	( .1000 )										
21	TANGENT	24	25		1	400.00	615.00	7	1	1	1	1	1	1	1	1	1	1	1	1	1
22	TANGENT	25	26		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	TANGENT	26	27		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	TANGENT	27	28		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	TANGENT	28	29		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	TANGENT	29	29A		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	TANGENT	29A	31		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	TANGENT	31	32		1	400.00	615.00	1	1	7	1	1	1	1	1	1	1	1	1	1	1
29	TANGENT	34	35		1	400.00	615.00	7	1	1	1	1	1	1	1	1	1	1	1	1	1
30	TANGENT	36	37		1	400.00	615.00	7	1	1	1	1	1	1	1	1	1	1	1	1	1
31	TANGENT	37	38		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32	TANGENT	38	39		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
33	TANGENT	39	40		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	TANGENT	40	41		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	TANGENT	41	43		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	TANGENT	44	45		1	400.00	615.00	1	1	7	1	1	1	1	1	1	1	1	1	1	1
37	TANGENT	45	46		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	TANGENT	46	47		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39	TANGENT	47	48		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	TANGENT	48	49		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	TANGENT	49	51		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	TANGENT	52	53		1	400.00	615.00	7	1	1	1	1	1	1	1	1	1	1	1	1	1
43	TANGENT	55	56		1	400.00	615.00	7	1	1	1	1	1	1	1	1	1	1	1	1	1
44	TANGENT	56	57		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
45	TANGENT	57	58		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1
46	TANGENT	58	59		1	400.00	615.00	1	1	1	1	1	1	1	1	1	1	1	1	1	1

# PIPE ELEMENT INPUT DATA

ELEMENT NUMBER	ELEMENT TYPE	NODE -I	NODE -J	MATL. NUMBER	SECTION NUMBER	REFERENCE TEMPERATURE (BEND RADIUS)	INTERNAL PRESSURE (THIRD POINT)	E N D S END-I (X3- ORDINATE)	C O D E (Y3- ORDINATE)	END-J (Z3- ORDINATE)	NODE INCREMENT (WALL FRACTION)	INPUT TAG
47	BEND	4	5	1	1	400.00 ( 60.000)	615.00 (T1)	96.725)( <sup>2</sup>	1226.875)( <sup>2</sup>	98.428) (	.1000)	IC
48	BEND	10	11	1	1	400.00 ( 60.000)	615.00 (T1)	276.650)( <sup>2</sup>	1226.875)( <sup>2</sup>	192.029) (	.1000)	IC
49	BEND	16	17	1	1	400.00 ( 60.000)	615.00 (T1)	575.328)( <sup>2</sup>	1226.875)( <sup>2</sup>	178.226) (	.1000)	IC
50	BEND	32	34	1	1	400.00 ( 18.000)	615.00 (T1)	1061.752)( <sup>2</sup>	1226.875)( <sup>2</sup>	7.340) (	.1000)	IC
51	BEND	35	36	1	1	400.00 ( 18.000)	615.00 (T1)	1061.752)( <sup>2</sup>	1290.375)( <sup>2</sup>	7.340) (	.1000)	IC
52	BEND	43	44	1	1	400.00 ( 60.000)	615.00 (T1)	1205.861)( <sup>2</sup>	1290.375)( <sup>2</sup>	-194.416) (	.1000)	IC
53	BEND	51	52	1	1	400.00 ( 18.000)	615.00 (T1)	1233.058)( <sup>2</sup>	1290.375)( <sup>2</sup>	-414.555) (	.1000)	IC
54	BEND	53	55	1	1	400.00 ( 18.000)	615.00 (T1)	1236.506)( <sup>2</sup>	1318.500)( <sup>2</sup>	-442.468) (	.1000)	IC

# SPRING ELEMENTS

ELEMENT TYPE = 1  
NUMBER OF ELEMENTS = 23

## ELEMENT LOAD CASE MULTIPLIERS

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

ELEMENT NUMBER	NODE (N)	NODE DEFINING DIRECTION(NI)	SUPPORT GROUP (NG)	CODE KD	CODE KR	GENERATION CODE (KN)	SPECIFIED DISPLACEMENT	SPECIFIED ROTATION	SPRING RATE
1	49	65	2	1	0	0	0.	0.	1000E+02
2	55	66	4	1	0	0	0.	0.	1000E+13
3	41	67	2	1	0	0	0.	0.	1000E+13
4	41	75	2	1	0	0	0.	0.	1000E+13
5	5	68	1	1	0	0	0.	0.	1000E+13
6	8	69	3	1	0	0	0.	0.	1000E+13
7	14	70	2	1	0	0	0.	0.	1000E+13
8	20	71	1	1	0	0	0.	0.	1000E+13
9	25	72	3	1	0	0	0.	0.	1000E+13
10	29A	73	1	1	0	0	0.	0.	1000E+13
11	37	74	3	1	0	0	0.	0.	1000E+13
12	1	1X	4	1	0	0	0.	0.	1000E+13
13	1	1Y	4	1	0	0	0.	0.	1000E+13
14	1	1Z	4	1	0	0	0.	0.	1000E+13
15	1	1X	4	1	0	0	0.	0.	1000E+13
16	1	1Y	4	1	0	0	0.	0.	1000E+13
17	1	1Z	4	1	0	0	0.	0.	1000E+13
18	59	59X	1	1	0	0	0.	0.	1000E+13
19	59	59Y	1	1	0	0	0.	0.	1000E+13
20	59	59Z	1	1	0	0	0.	0.	1000E+13
21	59	59X	1	0	1	0	0.	0.	1000E+13
22	59	59Y	1	0	1	0	0.	0.	1000E+13
23	59	59Z	1	0	1	0	0.	0.	1000E+13

# S N U B B E R   E L E M E N T S

ELEMENT TYPE        =        4  
NUMBER OF ELEMENTS =        5

## ELEMENT LOAD CASE MULTIPLIERS

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

ELEMENT NUMBER	NODE (N)	NODE DEFINING DIRECTION(N1)	SUPPORT GROUP (NG)	CODE KD	CODE KR	GENERATION CODE (KN)	SPECIFIED DISPLACEMENT	SPECIFIED ROTATION	SPRING RATE
1	13	12	2	1	0	0	0.	0.	1000E+13
2	14A	61	1	1	0	0	0.	0.	1000E+13
3	18	62	2	1	0	0	0.	0.	1000E+13
4	29	63	1	1	0	0	0.	0.	1000E+13
5	32	31	1	1	0	0	0.	0.	1000E+13



PRINT OF FREQUENCIES

MODE NUMBER	CIRCULAR FREQUENCY (RAD/SEC)	FREQUENCY (CYCLES/SEC)	PERIOD (SEC)
1	.4548E+02	.7238E+01	.1382E+00
2	.6374E+02	.1014E+02	.9857E-01
3	.9160E+02	.1458E+02	.6859E-01
4	.1005E+03	.1599E+02	.6254E-01
5	.1081E+03	.1720E+02	.5815E-01
6	.1130E+03	.1799E+02	.5560E-01
7	.1400E+03	.2228E+02	.4488E-01
8	.1485E+03	.2363E+02	.4232E-01
9	.1751E+03	.2786E+02	.3589E-01
10	.1835E+03	.2921E+02	.3423E-01
11	.1854E+03	.2951E+02	.3388E-01
12	.1983E+03	.3155E+02	.3169E-01
13	.2137E+03	.3402E+02	.2940E-01
14	.2185E+03	.3478E+02	.2875E-01
15	.2207E+03	.3512E+02	.2847E-01

Problem 3a

Envelope Spectra Solution

CASE 1  
.....

DIRECTION FACTORS

X = 1.0000 Y = 1.0000 Z = 1.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 2

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION IN IN./SEC.2  
EQ.2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 1. KIND= 2

CLUSTER FACTOR, CF = .00010

# MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	7.238	.4990E+00	.8669E+00	.1548E+01
2	10.145	.1081E+01	-.2165E+01	.4608E+00
3	14.579	.4339E+00	.3304E+00	.2093E+01
4	15.991	-.2225E+01	-.6837E+00	.1595E+01
5	17.198	-.1058E+01	.5109E-01	.5219E+00
6	17.987	-.2024E+01	-.1782E+00	-.4537E+00
7	22.282	-.1599E+00	.7471E+00	-.1475E+00
8	23.832	-.4155E+00	.1511E+00	.3934E+00
9	27.864	.1022E+01	-.3121E+00	.1455E+01
10	29.211	-.7249E+00	-.5677E+00	.7557E-01
11	29.514	-.1924E-01	-.8010E-01	-.1885E+01
12	31.554	.1570E+00	-.1508E+00	.3720E+00
13	34.018	.7247E+00	.5347E+00	-.8841E+00
14	34.778	.4169E+00	.1022E+01	.7984E+00
15	35.122	-.6628E+00	.2674E+00	-.8008E+00

## SPECTRUM TABLE ( ENVELOPE SPECTRUM X )

NUMBER OF POINTS = 78  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	0.	.7710E+00
2	.1300E-01	.8300E+00
3	.2500E-01	.8930E+00
4	.3500E-01	.9560E+00
5	.3600E-01	.9669E+00
6	.3700E-01	.9823E+00
7	.3800E-01	.1004E+01
8	.3900E-01	.1049E+01
9	.4100E-01	.1070E+01
10	.4200E-01	.1073E+01
11	.4400E-01	.1090E+01
12	.5300E-01	.1335E+01

13	.5600E-01	.1472E+01
14	.6400E-01	.1512E+01
15	.6500E-01	.1524E+01
16	.7000E-01	.1855E+01
17	.7200E-01	.2064E+01
18	.7400E-01	.2399E+01
19	.7410E-01	.2560E+01
20	.7500E-01	.2687E+01
21	.7600E-01	.2975E+01
22	.7800E-01	.3116E+01
23	.8000E-01	.3134E+01
24	.8200E-01	.3134E+01
25	.8500E-01	.3112E+01
26	.8600E-01	.3077E+01
27	.9200E-01	.2931E+01
28	.9600E-01	.2781E+01
29	.1030E+00	.2627E+01
30	.1040E+00	.2674E+01
31	.1050E+00	.2744E+01
32	.1120E+00	.2797E+01
33	.1200E+00	.2807E+01
34	.1260E+00	.2755E+01
35	.1270E+00	.2685E+01
36	.1280E+00	.2635E+01
37	.1340E+00	.2667E+01
38	.1510E+00	.2761E+01
39	.1670E+00	.2844E+01
40	.1680E+00	.2849E+01
41	.1740E+00	.2873E+01
42	.1870E+00	.2900E+01
43	.1970E+00	.2923E+01
44	.1980E+00	.3002E+01
45	.2090E+00	.5152E+01
46	.2130E+00	.5227E+01
47	.2330E+00	.5232E+01
48	.2550E+00	.5224E+01
49	.2570E+00	.5189E+01
50	.2620E+00	.4793E+01
51	.2680E+00	.4189E+01
52	.2730E+00	.3766E+01
53	.2770E+00	.3532E+01
54	.2800E+00	.3384E+01
55	.2860E+00	.3215E+01
56	.2950E+00	.3066E+01
57	.3090E+00	.2951E+01
58	.3390E+00	.2782E+01
59	.3760E+00	.2639E+01
60	.3840E+00	.2640E+01
61	.4040E+00	.2644E+01
62	.4390E+00	.2592E+01
63	.4820E+00	.2479E+01
64	.5180E+00	.2382E+01
65	.5610E+00	.2304E+01
66	.5900E+00	.2246E+01
67	.6430E+00	.2084E+01

68	.6970E+00	.1904E+01
69	.7090E+00	.1869E+01
70	.7200E+00	.1839E+01
71	.7450E+00	.1774E+01
72	.7730E+00	.1704E+01
73	.7850E+00	.1676E+01
74	.8150E+00	.1606E+01
75	.8400E+00	.1549E+01
76	.9070E+00	.1399E+01
77	.9590E+00	.1282E+01
78	.1000E+01	.1162E+01

SPECTRUM TABLE (      ENVELOPE SPECTRUM Y      )

NUMBER OF POINTS = 15  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.2000E-01	.1570E+01
2	.4300E-01	.2050E+01
3	.5680E-01	.5900E+01
4	.6500E-01	.5900E+01
5	.7090E-01	.1070E+02
6	.8700E-01	.1070E+02
7	.9700E-01	.1210E+02
8	.1180E+00	.1210E+02
9	.1300E+00	.5800E+01
10	.2000E+00	.3500E+01
11	.2500E+00	.3500E+01
12	.3450E+00	.2750E+01
13	.4760E+00	.2750E+01
14	.5000E+00	.2050E+01
15	.2000E+01	.3800E+00

SPECTRUM TABLE (      ENVELOPE SPECTRUM Z      )

NUMBER OF POINTS = 78  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	0.	.7710E+00
2	.1300E-01	.8300E+00
3	.2500E-01	.8930E+00
4	.3500E-01	.9560E+00
5	.3600E-01	.9669E+00
6	.3700E-01	.9823E+00
7	.3800E-01	.1004E+01
8	.3900E-01	.1049E+01
9	.4100E-01	.1070E+01
10	.4200E-01	.1073E+01
11	.4400E-01	.1090E+01

12	.5300E-01	.1335E+01
13	.5600E-01	.1472E+01
14	.6400E-01	.1512E+01
15	.6500E-01	.1524E+01
16	.7000E-01	.1855E+01
17	.7200E-01	.2064E+01
18	.7400E-01	.2399E+01
19	.7410E-01	.2560E+01
20	.7500E-01	.2687E+01
21	.7600E-01	.2975E+01
22	.7800E-01	.3116E+01
23	.8000E-01	.3134E+01
24	.8200E-01	.3134E+01
25	.8500E-01	.3112E+01
26	.8600E-01	.3077E+01
27	.9200E-01	.2931E+01
28	.9600E-01	.2781E+01
29	.1030E+00	.2627E+01
30	.1040E+00	.2674E+01
31	.1050E+00	.2744E+01
32	.1120E+00	.2797E+01
33	.1200E+00	.2807E+01
34	.1260E+00	.2755E+01
35	.1270E+00	.2685E+01
36	.1280E+00	.2635E+01
37	.1340E+00	.2667E+01
38	.1510E+00	.2761E+01
39	.1670E+00	.2844E+01
40	.1680E+00	.2849E+01
41	.1740E+00	.2873E+01
42	.1870E+00	.2900E+01
43	.1970E+00	.2923E+01
44	.1980E+00	.3002E+01
45	.2090E+00	.5152E+01
46	.2130E+00	.5227E+01
47	.2330E+00	.5232E+01
48	.2550E+00	.5224E+01
49	.2570E+00	.5189E+01
50	.2620E+00	.4793E+01
51	.2680E+00	.4189E+01
52	.2730E+00	.3766E+01
53	.2770E+00	.3532E+01
54	.2800E+00	.3384E+01
55	.2860E+00	.3215E+01
56	.2950E+00	.3066E+01
57	.3090E+00	.2951E+01
58	.3390E+00	.2782E+01
59	.3760E+00	.2639E+01
60	.3840E+00	.2640E+01
61	.4040E+00	.2644E+01
62	.4390E+00	.2592E+01
63	.4820E+00	.2479E+01
64	.5180E+00	.2382E+01
65	.5610E+00	.2304E+01
66	.5900E+00	.2246E+01



67	.6430E+00	.2084E+01
68	.6970E+00	.1904E+01
69	.7090E+00	.1869E+01
70	.7200E+00	.1839E+01
71	.7450E+00	.1774E+01
72	.7730E+00	.1704E+01
73	.7850E+00	.1676E+01
74	.8150E+00	.1606E+01
75	.8400E+00	.1549E+01
76	.9070E+00	.1399E+01
77	.9590E+00	.1282E+01
78	.1000E+01	.1162E+01

CLUSTERING. +1 MEANS MODE I CLOSE TO I+1. -1, NOT.  
-1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. 0.

NODE NUMBER	MODE NUMBER	D I S P L A C E M E N T S / R O T A T I O N S						A C C E L E R A T I O N S I N G ' S		
		X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION	X- DIRECTION	Y- DIRECTION	Z- DIRECTION
1	TOTAL..	1.68542E-09	8.68948E-11	1.36991E-09	9.93035E-09	5.83414E-08	1.07667E-08	.000	.000	.000
2	TOTAL..	4.30737E-03	3.59875E-04	4.18563E-03	7.16679E-05	2.28093E-04	7.30145E-05	.170	.035	.153
3	TOTAL..	1.27396E-02	7.88095E-04	1.24575E-02	1.46557E-04	2.78773E-04	1.41159E-04	.460	.080	.430
4	TOTAL..	2.03069E-02	7.68770E-04	1.99379E-02	2.27240E-04	2.02954E-04	2.05041E-04	.665	.071	.635
5	TOTAL..	2.16283E-02	3.59460E-10	2.16839E-02	2.69651E-04	1.51168E-04	2.29157E-04	.678	.000	.668
6	TOTAL..	2.09379E-02	3.49213E-03	2.12313E-02	3.62042E-04	1.99234E-04	2.54591E-04	.646	.278	.803
7	TOTAL..	1.66965E-02	5.02293E-03	1.61192E-02	5.01924E-04	2.89815E-04	2.36337E-04	.595	.399	1.054
8	TOTAL..	9.58680E-03	7.29464E-10	1.13474E-02	6.66218E-04	3.48440E-04	2.08108E-04	.410	.000	.991
9	TOTAL..	6.07070E-03	4.96486E-03	1.28212E-02	7.40578E-04	3.41631E-04	2.02657E-04	.275	.372	.872
10	TOTAL..	2.73049E-03	1.10020E-02	1.61808E-02	8.08202E-04	3.04616E-04	1.89908E-04	.124	.787	.758
11	TOTAL..	1.05848E-03	1.51593E-02	1.98258E-02	9.18325E-04	8.94723E-05	8.51300E-05	.036	1.095	.671
12	TOTAL..	9.00267E-04	1.16551E-02	1.80150E-02	1.05063E-03	1.19140E-04	9.03082E-05	.029	.855	.589
13	TOTAL..	5.45573E-04	5.68681E-03	1.17499E-02	1.18429E-03	1.91736E-04	1.51460E-04	.020	.371	.434
14	TOTAL..	4.33773E-04	7.84414E-10	5.61780E-03	1.28144E-03	2.12037E-04	1.91925E-04	.018	.000	.235
14A	TOTAL..	8.86053E-04	5.68005E-03	4.07784E-05	1.36603E-03	2.10498E-04	2.13911E-04	.021	.303	.001
15	TOTAL..	2.48822E-03	1.80256E-02	1.31844E-02	1.59624E-03	1.34901E-04	1.01047E-04	.045	.996	.688
16	TOTAL..	3.66470E-03	1.59000E-02	1.36579E-02	1.83196E-03	1.47179E-04	1.55458E-04	.069	.862	.563

17	TOTAL..	3.86046E-03	1.42460E-02	1.18930E-02	1.86233E-03	2.48246E-04	2.12884E-04	.072	.767	.474
18	TOTAL..	5.50512E-03	4.70886E-03	5.65564E-04	1.98452E-03	3.59659E-04	2.82789E-04	.099	.260	.010
20	TOTAL..	6.45494E-03	1.04301E-09	6.21499E-03	2.04519E-03	3.68681E-04	3.06169E-04	.119	.000	.246
21	TOTAL..	8.65245E-03	9.70235E-03	2.10395E-02	2.20648E-03	2.31404E-04	3.06567E-04	.163	.491	.722
22	TOTAL..	9.72892E-03	1.41510E-02	2.46675E-02	2.38646E-03	1.18390E-04	1.64970E-04	.174	.670	.746
23	TOTAL..	8.78893E-03	1.48554E-02	8.67164E-03	2.58562E-03	6.32479E-04	1.86476E-04	.148	.577	.325
24	TOTAL..	2.61140E-02	3.89982E-03	4.29211E-02	2.67944E-03	1.72285E-03	1.17646E-03	.391	.098	.656
25	TOTAL..	3.18118E-02	1.37846E-09	5.07948E-02	2.70606E-03	1.74017E-03	1.25556E-03	.467	.000	.761
26	TOTAL..	7.81603E-02	2.50592E-02	1.14763E-01	2.95626E-03	1.35196E-03	1.89723E-03	1.054	.745	1.567
27	TOTAL..	1.01215E-01	3.51506E-02	1.46067E-01	3.27695E-03	1.39749E-04	2.43809E-03	1.273	1.043	1.857
28	TOTAL..	7.98781E-02	2.96381E-02	1.15129E-01	3.69498E-03	1.82095E-03	2.87711E-03	.939	.774	1.366
29	TOTAL..	1.02813E-03	8.11521E-03	7.33446E-04	4.22510E-03	4.19183E-03	3.20370E-03	.028	.163	.020
29A	TOTAL..	3.27700E-02	3.40819E-09	4.40717E-02	4.37773E-03	4.78543E-03	3.26838E-03	.366	.000	.489
31	TOTAL..	1.69890E-01	3.55692E-02	2.36986E-01	4.85671E-03	6.00114E-03	3.51693E-03	1.865	.543	2.602
32	TOTAL..	3.20782E-01	6.04836E-02	4.49176E-01	5.19640E-03	5.97745E-03	3.87337E-03	3.500	.930	4.901
34	TOTAL..	4.23007E-01	3.64681E-02	5.03504E-01	5.94095E-03	3.66820E-03	5.89189E-03	4.166	.716	5.003
35	TOTAL..	5.46995E-01	3.65746E-02	4.81613E-01	6.04396E-03	2.97148E-03	5.95761E-03	4.844	.716	3.956
36	TOTAL..	6.11356E-01	8.18609E-03	4.95827E-01	4.80150E-03	1.90558E-03	6.23237E-03	5.159	.270	3.677
37	TOTAL..	5.84984E-01	1.44811E-09	4.76335E-01	4.75861E-03	2.32192E-03	6.52776E-03	4.955	.000	3.536
38	TOTAL..	4.75309E-01	2.82535E-02	3.97065E-01	4.82831E-03	3.57230E-03	7.33967E-03	4.109	.663	2.975

39	TOTAL..	3.21697E-01	5.39016E-02	2.89091E-01	5.34051E-03	4.48565E-03	7.94756E-03	2.935	.964	2.257
40	TOTAL..	1.49428E-01	5.26573E-02	1.71979E-01	6.38113E-03	4.61870E-03	8.30269E-03	1.647	.755	1.594
41	TOTAL..	6.11408E-02	8.93147E-09	8.55256E-02	7.94452E-03	3.79025E-03	8.40228E-03	.942	.000	1.318
43	TOTAL..	8.49556E-02	3.00552E-02	7.65694E-02	8.34814E-03	3.46861E-03	8.42522E-03	1.014	.342	1.313
44	TOTAL..	1.49802E-01	1.92835E-01	7.07814E-02	9.30337E-03	2.06838E-03	8.54450E-03	1.462	2.053	1.328
45	TOTAL..	1.99623E-01	4.53477E-01	6.84746E-02	9.01164E-03	1.97967E-03	9.01061E-03	2.048	4.751	1.333
46	TOTAL..	2.40701E-01	6.90332E-01	6.59262E-02	7.96750E-03	2.04475E-03	9.57387E-03	2.622	7.208	1.341
47	TOTAL..	2.76209E-01	8.81623E-01	6.35341E-02	6.38267E-03	2.13122E-03	1.02110E-02	3.087	9.184	1.351
48	TOTAL..	3.07994E-01	1.01428E+00	6.16384E-02	4.55249E-03	2.19001E-03	1.08885E-02	3.410	10.548	1.357
49	TOTAL..	3.37273E-01	1.08512E+00	6.04440E-02	2.85443E-03	2.19816E-03	1.15612E-02	3.629	11.276	1.359
51	TOTAL..	3.73210E-01	1.10350E+00	5.99518E-02	1.61054E-03	2.09229E-03	1.23265E-02	3.894	11.491	1.355
52	TOTAL..	3.11804E-01	1.08815E+00	5.18556E-02	1.83983E-03	1.45957E-03	1.31579E-02	3.245	11.364	1.171
53	TOTAL..	1.77601E-01	1.06687E+00	3.23277E-02	1.90246E-03	1.41444E-03	1.33137E-02	1.850	11.189	.751
55	TOTAL..	7.42851E-04	8.05641E-01	1.04825E-04	1.32538E-03	2.65410E-04	1.21024E-02	.013	8.542	.002
56	TOTAL..	9.52340E-04	5.06793E-01	3.61287E-03	1.06541E-03	6.56712E-05	1.09442E-02	.017	5.383	.073
57	TOTAL..	7.53818E-04	2.51183E-01	3.34695E-03	7.98878E-04	4.59066E-05	8.58474E-03	.013	2.673	.068
58	TOTAL..	3.40089E-04	7.10735E-02	1.38546E-03	4.59050E-04	6.80890E-05	4.94824E-03	.006	.758	.028
59	TOTAL..	3.03109E-09	1.58587E-08	8.95916E-10	1.69277E-07	3.43778E-08	1.69706E-06	.000	.000	.000

61 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
62 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
63 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
65 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
66 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
67 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
68 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
69 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
70 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
71 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
72 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
73 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
74 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
75 TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
1X TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
1Y TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
1Z TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
19X TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
19Y TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
59Z TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000

# SPONSE SPECTRUM STRESS COMPONENTS (KIND = 2)

EACH ELEMENT, THE FOLLOWING INFORMATION IS PRINTED

1. FOR EACH EARTH QUAKE DIRECTION; THE NUMBER OF THE MODE WITH THE LARGEST STRESS.
  2. THE VALUE OF THAT STRESS.
  3. IF REQUESTED; THE MODE BY MODE STRESSES FOR EACH EARTH QUAKE DIRECTION.
  4. THE RESULTANT FOR EACH EARTH QUAKE DIRECTION.
  5. THE GRAND TOTAL OF THE THREE EARTH QUAKE DIRECTIONS.
- (E THE X, Y, OR Z REFERS TO THE EARTH QUAKE DIRECTION.)

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)
X	10	15	5	8	5	15	10	15	5	6	5	6
X MAXIMUM	1.634E+02	1.611E+01	6.140E+02	-2.722E+03	-4.657E+04	7.440E+02	1.634E+02	1.611E+01	6.140E+02	-2.722E+03	-2.027E+04	1.027E+02
Y	10	14	5	1	5	14	10	14	5	1	5	7
Y MAXIMUM	2.512E+02	-4.869E+01	-1.180E+02	-8.889E+03	8.952E+03	-2.278E+03	2.512E+02	-4.869E+01	-1.180E+02	-8.889E+03	3.896E+03	3.041E+02
Z	11	1	11	1	5	1	11	1	11	1	5	1
Z MAXIMUM	-1.935E+03	-2.983E+01	3.349E+02	-7.721E+03	2.298E+04	-1.083E+03	-1.935E+03	-2.983E+01	3.349E+02	-7.721E+03	1.000E+04	1.951E+02
GRAND TOTAL	2.014E+03	8.689E+01	8.132E+02	1.413E+04	5.834E+04	3.861E+03	2.014E+03	8.689E+01	8.132E+02	1.413E+04	2.443E+04	5.350E+02

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)
X	10	15	5	6	5	6	10	15	5	6	5	15
X MAXIMUM	1.629E+02	1.282E+01	5.597E+02	-2.722E+03	-2.027E+04	1.027E+02	1.629E+02	1.282E+01	5.597E+02	-2.722E+03	3.705E+03	-4.952E+02
Y	10	14	5	1	5	7	10	14	5	1	10	1
Y MAXIMUM	2.504E+02	-3.880E+01	-1.076E+02	-8.889E+03	3.896E+03	3.041E+02	2.504E+02	-3.880E+01	-1.076E+02	-8.889E+03	-8.829E+02	1.686E+03
Z	11	1	11	1	5	1	11	1	11	1	11	1
Z MAXIMUM	-1.928E+03	-2.964E+01	2.839E+02	-7.721E+03	1.000E+04	1.951E+02	-1.928E+03	-2.964E+01	2.839E+02	-7.721E+03	1.032E+04	1.465E+03
GRAND TOTAL	2.007E+03	7.654E+01	7.318E+02	1.413E+04	2.443E+04	5.350E+02	2.007E+03	7.654E+01	7.318E+02	1.413E+04	1.141E+04	3.256E+03

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)
X	10	1	5	6	5	15	10	1	5	6	5	1
X MAXIMUM	1.617E+02	-9.461E+00	3.961E+02	-2.722E+03	3.705E+03	-4.952E+02	1.617E+02	-9.461E+00	3.961E+02	-2.722E+03	2.067E+04	8.773E+02
Y	10	1	5	1	10	1	10	1	5	1	5	1
Y MAXIMUM	2.486E+02	-3.380E+01	-7.615E+01	-8.889E+03	-8.829E+02	1.686E+03	2.486E+02	-3.380E+01	-7.615E+01	-8.889E+03	-3.974E+03	3.134E+03
Z	11	1	5	1	11	1	11	1	5	1	11	1
Z MAXIMUM	-1.914E+03	-2.936E+01	-1.955E+02	-7.721E+03	1.032E+04	1.465E+03	-1.914E+03	-2.936E+01	-1.955E+02	-7.721E+03	1.741E+04	2.722E+03
GRAND TOTAL	1.993E+03	5.744E+01	5.049E+02	1.413E+04	1.141E+04	3.256E+03	1.993E+03	5.744E+01	5.049E+02	1.413E+04	3.046E+04	5.674E+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)
X	10	15	5	6	5	15	10	15	5	6	5	6
X MAXIMUM	1.547E+02	-6.289E+01	5.911E+01	-2.782E+03	2.493E+04	-9.283E+02	1.547E+02	-6.289E+01	5.911E+01	-2.782E+03	2.720E+04	1.626E+03
Y	10	14	10	1	5	7	10	14	10	1	5	14
Y MAXIMUM	2.378E+02	2.058E+02	5.762E+01	-9.523E+03	-4.792E+03	-3.047E+03	2.378E+02	2.058E+02	5.762E+01	-9.523E+03	-5.229E+03	-4.987E+03
Z	11	14	11	1	11	14	11	14	11	1	5	1
Z MAXIMUM	-1.802E+03	8.404E+01	-5.272E+02	-8.271E+03	1.344E+04	1.199E+03	-1.802E+03	8.404E+01	-5.272E+02	-8.271E+03	-1.342E+04	3.447E+03
GRAND TOTAL	1.882E+03	3.609E+02	5.395E+02	1.458E+04	3.290E+04	5.152E+03	1.882E+03	3.609E+02	5.395E+02	1.458E+04	3.345E+04	9.997E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	5	6	5	6	5	6	5	6	5	6	5	6
X MAXIMUM	2.244E+02	-4.010E+01	-2.042E+02	-2.782E+03	2.720E+04	1.626E+03	2.244E+02	-4.010E+01	-2.042E+02	-2.782E+03	1.740E+04	3.550E+03
Y	10	7	5	1	5	14	10	7	5	1	5	7
Y MAXIMUM	2.351E+02	-1.637E+02	3.925E+01	-9.523E+03	-5.229E+03	-4.987E+03	2.351E+02	-1.637E+02	3.925E+01	-9.523E+03	-3.345E+03	1.244E+04
Z	11	1	11	1	5	1	11	1	11	1	11	1
Z MAXIMUM	-1.748E+03	-6.775E+01	-3.458E+02	-8.271E+03	-1.342E+04	3.448E+03	-1.748E+03	-6.775E+01	-3.458E+02	-8.271E+03	-2.345E+04	6.700E+03
GRAND TOTAL	1.845E+03	2.701E+02	4.282E+02	1.458E+04	3.345E+04	9.997E+03	1.845E+03	2.701E+02	4.282E+02	1.458E+04	3.166E+04	2.282E+04

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)
X	5	6	5	6	5	6	5	6	5	6	5	6
X MAXIMUM	3.195E+02	-2.904E+01	-3.915E+02	-2.781E+03	1.740E+04	3.551E+03	3.195E+02	-2.904E+01	-3.915E+02	-2.781E+03	-1.381E+03	4.944E+03
Y	10	7	5	1	5	7	10	7	5	1	14	7
Y MAXIMUM	2.310E+02	-1.065E+02	7.526E+01	-9.521E+03	-3.345E+03	1.244E+04	2.310E+02	-1.065E+02	7.526E+01	-9.521E+03	1.713E+03	1.755E+04
Z	11	1	5	1	11	1	11	1	5	1	11	1
Z MAXIMUM	-1.680E+03	-6.426E+01	1.932E+02	-8.269E+03	-2.345E+04	6.701E+03	-1.680E+03	-6.426E+01	1.932E+02	-8.269E+03	-1.955E+04	9.785E+03
GRAND TOTAL	1.803E+03	1.618E+02	4.801E+02	1.458E+04	3.186E+04	2.282E+04	1.803E+03	1.618E+02	4.801E+02	1.458E+04	2.003E+04	2.950E+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)
X	5	15	5	6	5	6	5	15	5	6	5	6
X MAXIMUM	3.882E+02	1.115E+02	-4.064E+02	-2.785E+03	-1.381E+03	4.942E+03	3.882E+02	1.115E+02	-4.064E+02	-2.785E+03	-1.006E+04	3.824E+03
Y	10	7	5	1	14	7	10	7	5	1	14	7
Y MAXIMUM	2.274E+02	3.925E+02	7.813E+01	-9.529E+03	1.713E+03	1.755E+04	2.274E+02	3.925E+02	7.813E+01	-9.529E+03	2.086E+03	1.107E+04
Z	11	14	11	1	11	1	11	14	11	1	11	1
Z MAXIMUM	-1.627E+03	-1.453E+02	3.839E+02	-8.276E+03	-1.955E+04	9.779E+03	-1.627E+03	-1.453E+02	3.839E+02	-8.276E+03	-1.135E+04	9.618E+03
GRAND TOTAL	1.774E+03	6.266E+02	6.256E+02	1.459E+04	2.003E+04	2.950E+04	1.774E+03	6.266E+02	6.256E+02	1.459E+04	1.701E+04	1.992E+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)
X	5	15	5	6	5	6	5	15	5	6	5	6
X MAXIMUM	4.300E+02	9.620E+01	-3.820E+02	-2.783E+03	-1.006E+04	3.825E+03	4.300E+02	9.620E+01	-3.820E+02	-2.783E+03	-1.821E+04	3.060E+03
Y	10	7	5	1	14	7	10	7	5	1	14	7
Y MAXIMUM	2.250E+02	3.659E+02	7.343E+01	-9.523E+03	2.086E+03	1.108E+04	2.250E+02	3.659E+02	7.343E+01	-9.523E+03	3.501E+03	1.093E+04
Z	11	14	11	1	11	1	11	14	11	1	11	1
Z MAXIMUM	-1.592E+03	-1.250E+02	5.381E+02	-8.271E+03	-1.135E+04	9.622E+03	-1.592E+03	-1.250E+02	5.381E+02	-8.271E+03	8.987E+03	9.494E+03
GRAND TOTAL	1.756E+03	5.614E+02	7.134E+02	1.458E+04	1.701E+04	1.993E+04	1.756E+03	5.614E+02	7.134E+02	1.458E+04	2.224E+04	1.657E+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)
X	5	15	5	1	5	15	5	15	5	1	5	10
X MAXIMUM	5.753E+02	-1.820E+01	1.262E+02	-3.839E+03	-2.369E+04	-2.802E+03	5.753E+02	-1.820E+01	1.262E+02	-3.839E+03	-1.846E+04	2.744E+03
Y	10	7	2	1	5	7	10	7	2	1	5	7
Y MAXIMUM	2.305E+02	1.438E+02	9.287E+01	-1.371E+04	4.554E+03	-9.117E+03	2.305E+02	1.438E+02	9.287E+01	-1.371E+04	6.250E+03	-1.507E+04
Z	11	14	11	1	5	1	11	14	11	1	5	1
Z MAXIMUM	-1.685E+03	2.656E+01	-9.184E+01	-1.191E+04	1.169E+04	4.011E+03	-1.685E+03	2.656E+01	-9.184E+01	-1.191E+04	9.110E+03	4.275E+03
GRAND TOTAL	1.890E+03	1.727E+02	2.740E+02	2.025E+04	2.947E+04	1.635E+04	1.890E+03	1.727E+02	2.740E+02	2.025E+04	2.380E+04	1.950E+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)
X	5	15	5	1	5	10	5	15	5	1	5	9
X MAXIMUM	5.759E+02	-8.084E+01	2.850E+02	-3.839E+03	-1.846E+04	2.744E+03	5.759E+02	-8.084E+01	2.850E+02	-3.839E+03	-6.656E+03	-1.631E+03
Y	10	14	2	1	2	7	10	14	2	1	2	7
Y MAXIMUM	2.313E+02	2.617E+02	7.686E+01	-1.371E+04	8.250E+03	-1.507E+04	2.313E+02	2.617E+02	7.686E+01	-1.371E+04	9.433E+03	-1.448E+04
Z	11	14	5	1	5	1	11	14	5	1	5	1
Z MAXIMUM	-1.691E+03	1.069E+02	-1.407E+02	-1.191E+04	9.110E+03	4.275E+03	-1.691E+03	1.069E+02	-1.407E+02	-1.191E+04	3.285E+03	4.703E+03
GRAND TOTAL	1.895E+03	3.286E+02	3.712E+02	2.025E+04	2.380E+04	1.950E+04	1.895E+03	3.286E+02	3.712E+02	2.025E+04	1.614E+04	1.800E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	15	5	1	5	9	6	15	5	1	5	15
X MAXIMUM	-1.104E+03	-1.003E+02	3.702E+02	-3.839E+03	-6.656E+03	-1.631E+03	-1.104E+03	-1.003E+02	3.702E+02	-3.839E+03	4.449E+03	4.310E+03
Y	2	14	5	1	2	7	2	14	5	1	2	14
Y MAXIMUM	-5.677E+03	3.207E+02	-7.116E+01	-1.371E+04	9.433E+03	-1.448E+04	-5.677E+03	3.207E+02	-7.116E+01	-1.371E+04	1.137E+04	-1.448E+04
Z	1	14	5	1	5	1	1	14	5	1	9	14
Z MAXIMUM	1.202E+03	1.310E+02	-1.827E+02	-1.191E+04	3.285E+03	4.703E+03	1.202E+03	1.310E+02	-1.827E+02	-1.191E+04	3.750E+03	-5.915E+03
GRAND TOTAL	8.398E+03	4.197E+02	4.529E+02	2.025E+04	1.614E+04	1.800E+04	8.398E+03	4.197E+02	4.529E+02	2.025E+04	1.717E+04	2.287E+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)
X	6	15	5	1	5	15	6	15	5	1	5	15
X MAXIMUM	-1.103E+03	5.782E+01	3.997E+02	-3.839E+03	4.449E+03	4.310E+03	-1.103E+03	5.782E+01	3.997E+02	-3.839E+03	1.484E+04	2.806E+03
Y	2	7	5	1	2	14	2	7	5	1	2	14
Y MAXIMUM	-5.676E+03	-4.880E+02	-7.684E+01	-1.371E+04	1.137E+04	-1.448E+04	-5.676E+03	-4.880E+02	-7.684E+01	-1.371E+04	1.288E+04	-9.085E+03
Z	1	1	5	1	9	14	1	1	5	1	5	14
Z MAXIMUM	1.202E+03	9.619E+01	-1.972E+02	-1.191E+04	3.750E+03	-5.915E+03	1.202E+03	9.619E+01	-1.972E+02	-1.191E+04	-7.323E+03	-3.711E+03
GRAND TOTAL	6.396E+03	5.967E+02	4.872E+02	2.025E+04	1.717E+04	2.287E+04	6.396E+03	5.967E+02	4.872E+02	2.025E+04	2.508E+04	1.227E+04

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)
X	6	15	6	1	5	15	6	15	6	1	5	10
X MAXIMUM	-1.101E+03	6.018E+01	-1.139E+02	-3.839E+03	1.484E+04	2.806E+03	-1.101E+03	6.018E+01	-1.139E+02	-3.839E+03	1.164E+04	-3.620E+03
Y	2	7	2	1	2	14	2	7	2	1	2	7
Y MAXIMUM	-5.672E+03	-3.769E+02	-3.709E+02	-1.371E+04	1.288E+04	-9.085E+03	-5.672E+03	-3.769E+02	-3.709E+02	-1.371E+04	-1.300E+04	2.719E+04
Z	1	1	9	1	5	14	1	1	9	1	5	9
Z MAXIMUM	1.201E+03	9.609E+01	-1.316E+02	-1.191E+04	-7.323E+03	-3.711E+03	1.201E+03	9.609E+01	-1.316E+02	-1.191E+04	-5.746E+03	4.780E+03
GRAND TOTAL	6.390E+03	4.942E+02	5.468E+02	2.025E+04	2.508E+04	1.227E+04	6.390E+03	4.942E+02	5.468E+02	2.025E+04	2.489E+04	3.071E+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)
X	6	10	5	1	5	10	6	10	5	1	6	1
X MAXIMUM	-1.094E+03	-4.766E+01	-1.318E+02	-3.839E+03	1.164E+04	-3.620E+03	-1.094E+03	-4.766E+01	-1.318E+02	-3.839E+03	-6.765E+03	-3.456E+03
Y	2	7	2	1	2	7	2	7	2	1	2	7
Y MAXIMUM	-5.661E+03	1.347E+02	-3.101E+02	-1.371E+04	-1.300E+04	2.719E+04	-5.661E+03	1.347E+02	-3.101E+02	-1.371E+04	-3.454E+04	1.779E+04
Z	1	1	1	1	5	9	1	1	1	1	1	1
Z MAXIMUM	1.200E+03	9.397E+01	6.823E+01	-1.191E+04	-5.746E+03	4.780E+03	1.200E+03	9.397E+01	6.823E+01	-1.191E+04	7.208E+03	-1.072E+04
GRAND TOTAL	6.373E+03	2.337E+02	3.897E+02	2.025E+04	2.489E+04	3.071E+04	6.373E+03	2.337E+02	3.897E+02	2.025E+04	4.040E+04	2.627E+04

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)
X	6	10	5	1	6	1	6	10	5	1	5	1
X MAXIMUM	-1.083E+03	-7.569E+01	-1.782E+02	-4.329E+03	-6.746E+03	-3.125E+03	-1.083E+03	-7.569E+01	-1.782E+02	-4.329E+03	-5.335E+03	-4.245E+03
Y	2	7	2	1	2	7	2	7	2	1	2	1
Y MAXIMUM	-5.619E+03	5.037E+02	5.906E+02	-1.547E+04	-3.328E+04	1.433E+04	-5.619E+03	5.037E+02	5.906E+02	-1.547E+04	-1.230E+04	-1.517E+04
Z	1	1	9	1	1	1	1	1	9	1	1	1
Z MAXIMUM	1.194E+03	9.785E+01	1.495E+02	-1.343E+04	6.981E+03	-9.697E+03	1.194E+03	9.785E+01	1.495E+02	-1.343E+04	2.842E+03	-1.317E+04
GRAND TOTAL	6.322E+03	6.033E+02	7.433E+02	2.243E+04	3.838E+04	2.254E+04	6.322E+03	6.033E+02	7.433E+02	2.243E+04	1.508E+04	2.235E+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)
X	6	10	6	1	5	1	6	10	6	1	5	1
X MAXIMUM	-1.076E+03	-7.688E+01	1.688E+02	-4.329E+03	-5.335E+03	-4.246E+03	-1.076E+03	-7.688E+01	1.688E+02	-4.329E+03	-5.228E+03	-4.813E+03
Y	2	7	2	1	2	1	2	7	2	1	14	1
Y MAXIMUM	-5.607E+03	5.534E+02	7.679E+02	-1.547E+04	-1.230E+04	-1.517E+04	-5.607E+03	5.534E+02	7.679E+02	-1.547E+04	-2.502E+03	-1.719E+04
Z	1	9	1	1	1	1	1	9	1	1	5	1
Z MAXIMUM	1.193E+03	9.866E+01	-1.606E+02	-1.343E+04	2.842E+03	-1.317E+04	1.193E+03	9.866E+01	-1.606E+02	-1.343E+04	2.580E+03	-1.493E+04
GRAND TOTAL	6.306E+03	6.593E+02	9.129E+02	2.242E+04	1.508E+04	2.235E+04	6.306E+03	6.593E+02	9.129E+02	2.242E+04	8.460E+03	2.959E+04

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)
X	6	1	6	1	5	1	6	1	6	1	6	7
X MAXIMUM	-1.067E+03	-1.445E+02	1.598E+02	-4.329E+03	-5.228E+03	-4.813E+03	-1.067E+03	-1.445E+02	1.598E+02	-4.329E+03	8.835E+03	1.851E+03
Y	2	1	2	1	14	1	2	1	2	1	2	7
Y MAXIMUM	-5.592E+03	-5.164E+02	7.515E+02	-1.547E+04	-2.502E+03	-1.719E+04	-5.592E+03	-5.164E+02	7.515E+02	-1.547E+04	3.567E+04	-1.998E+04
Z	1	1	1	1	5	1	1	1	1	1	9	1
Z MAXIMUM	1.191E+03	-4.485E+02	-1.589E+02	-1.343E+04	2.580E+03	-1.493E+04	1.191E+03	-4.485E+02	-1.589E+02	-1.343E+04	7.807E+03	5.445E+03
GRAND TOTAL	6.286E+03	7.523E+02	8.733E+02	2.243E+04	8.460E+03	2.959E+04	6.286E+03	7.523E+02	8.733E+02	2.243E+04	4.353E+04	2.350E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	1	6	1	6	7	6	1	6	1	6	1
X MAXIMUM	-1.053E+03	-1.430E+02	1.166E+02	-4.329E+03	6.835E+03	1.851E+03	-1.053E+03	-1.430E+02	1.166E+02	-4.329E+03	1.213E+04	8.251E+03
Y	2	1	2	1	2	7	2	1	2	1	2	1
Y MAXIMUM	-5.568E+03	-5.107E+02	6.737E+02	-1.547E+04	3.567E+04	-1.998E+04	-5.568E+03	-5.107E+02	6.737E+02	-1.547E+04	6.628E+04	2.948E+04
Z	1	1	1	1	9	1	1	1	1	1	1	1
Z MAXIMUM	1.189E+03	-4.436E+02	-1.505E+02	-1.343E+04	7.807E+03	5.445E+03	1.189E+03	-4.436E+02	-1.505E+02	-1.343E+04	-1.411E+04	2.560E+04
GRAND TOTAL	6.253E+03	7.163E+02	7.454E+02	2.243E+04	4.353E+04	2.350E+04	6.253E+03	7.163E+02	7.454E+02	2.243E+04	7.534E+04	4.574E+04

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)
X	6	1	13	1	6	1	6	1	13	1	6	1
X MAXIMUM	-1.038E+03	-1.408E+02	-8.821E+01	-4.329E+03	1.213E+04	8.251E+03	-1.038E+03	-1.408E+02	-8.821E+01	-4.329E+03	1.514E+04	1.465E+04
Y	2	1	2	1	2	1	2	1	2	1	2	1
Y MAXIMUM	-5.541E+03	-5.029E+02	5.812E+02	-1.547E+04	6.628E+04	2.948E+04	-5.541E+03	-5.029E+02	5.812E+02	-1.547E+04	9.269E+04	5.233E+04
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	1.186E+03	-4.368E+02	-1.404E+02	-1.343E+04	-1.411E+04	2.560E+04	1.186E+03	-4.368E+02	-1.404E+02	-1.343E+04	-2.049E+04	4.545E+04
GRAND TOTAL	6.216E+03	7.424E+02	7.045E+02	2.242E+04	7.534E+04	4.574E+04	6.216E+03	7.424E+02	7.045E+02	2.242E+04	1.025E+05	7.281E+04

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	6	13	6	1	1	6	6	6	6	1	1	6
X MAXIMUM	-1.021E+03	1.218E+02	-1.480E+02	-4.330E+03	-1.465E+04	1.514E+04	-9.734E+02	3.136E+02	-1.480E+02	-9.776E+03	-1.520E+04	1.226E+04
Y	2	2	1	1	1	2	2	2	1	1	1	2
Y MAXIMUM	-5.513E+03	-5.474E+02	-5.095E+02	-1.547E+04	-5.233E+04	9.269E+04	-5.351E+03	1.435E+03	-5.095E+02	-3.492E+04	-5.429E+04	8.297E+04
Z	1	13	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	1.183E+03	-1.486E+02	-4.425E+02	-1.343E+04	-4.545E+04	-2.049E+04	1.155E+03	-2.900E+02	-4.425E+02	-3.033E+04	-4.715E+04	-1.881E+04
GRAND TOTAL	6.177E+03	7.326E+02	8.379E+02	2.243E+04	7.281E+04	1.025E+05	6.001E+03	1.636E+03	8.379E+02	4.882E+04	7.488E+04	9.148E+04

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	6	6	1	1	2
X MAXIMUM	-7.999E+02	6.372E+02	-1.480E+02	-1.506E+04	-1.379E+04	-3.581E+03
Y	2	2	1	1	1	2
Y MAXIMUM	-4.499E+03	3.233E+03	-5.095E+02	-5.382E+04	-4.925E+04	3.186E+04
Z	1	1	1	1	1	1
Z MAXIMUM	9.778E+02	-8.792E+02	-4.425E+02	-4.874E+04	-4.277E+04	-8.192E+03
GRAND TOTAL	5.056E+03	3.624E+03	8.379E+02	7.469E+04	6.875E+04	3.564E+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)
X	6	6	2	1	2	4	6	6	2	1	2	4
X MAXIMUM	-8.264E+02	1.867E+02	-6.061E+02	-1.506E+04	4.315E+04	-1.188E+04	-8.264E+02	1.867E+02	-6.061E+02	-1.506E+04	3.588E+04	-1.085E+04
Y	2	1	2	1	2	2	2	1	2	1	2	2
Y MAXIMUM	-4.546E+03	4.340E+02	5.392E+03	-5.382E+04	-3.839E+05	6.024E+04	-4.546E+03	4.340E+02	5.392E+03	-5.382E+04	-3.192E+05	6.180E+04
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	9.829E+02	3.770E+02	-1.555E+03	-4.674E+04	9.974E+04	-2.324E+04	9.829E+02	3.770E+02	-1.555E+03	-4.674E+04	8.108E+04	-2.776E+04
GRAND TOTAL	5.134E+03	8.589E+02	6.069E+03	7.469E+04	4.211E+05	7.518E+04	5.134E+03	8.589E+02	6.069E+03	7.469E+04	3.486E+05	8.111E+04

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)
X	6	4	2	1	2	4	6	4	2	1	2	4
X MAXIMUM	-8.280E+02	-4.572E+02	-5.918E+02	-1.506E+04	3.588E+04	-1.085E+04	-8.280E+02	-4.572E+02	-5.918E+02	-1.506E+04	1.079E+04	8.534E+03
Y	2	2	2	1	2	2	2	2	2	1	2	2
Y MAXIMUM	-4.551E+03	2.441E+03	5.265E+03	-5.380E+04	-3.192E+05	6.179E+04	-4.551E+03	2.441E+03	5.265E+03	-5.380E+04	-9.596E+04	-4.167E+04
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	9.840E+02	-8.490E+02	-1.539E+03	-4.673E+04	8.108E+04	-2.779E+04	9.840E+02	-8.490E+02	-1.539E+03	-4.673E+04	1.584E+04	8.206E+03
GRAND TOTAL	5.141E+03	2.936E+03	5.933E+03	7.467E+04	3.486E+05	8.112E+04	5.141E+03	2.936E+03	5.933E+03	7.467E+04	1.005E+05	4.828E+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)
X	6	4	2	1	2	4	6	4	2	1	1	4
X MAXIMUM	-8.291E+02	-3.791E+02	-4.754E+02	-1.506E+04	1.079E+04	8.534E+03	-8.291E+02	-3.791E+02	-4.754E+02	-1.506E+04	-1.417E+04	2.460E+04
Y	2	2	2	1	2	2	2	2	2	1	2	2
Y MAXIMUM	-4.553E+03	2.318E+03	4.229E+03	-5.380E+04	-9.596E+04	-4.167E+04	-4.553E+03	2.318E+03	4.229E+03	-5.380E+04	8.333E+04	-1.400E+05
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	9.842E+02	-8.410E+02	-1.411E+03	-4.673E+04	1.584E+04	8.205E+03	9.842E+02	-8.410E+02	-1.411E+03	-4.673E+04	-4.398E+04	4.386E+04
GRAND TOTAL	5.144E+03	2.795E+03	4.841E+03	7.467E+04	1.005E+05	4.828E+04	5.144E+03	2.795E+03	4.841E+03	7.467E+04	1.130E+05	1.641E+05

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)
X	1	4	2	1	1	4	1	4	2	1	2	4
X MAXIMUM	-2.694E+02	6.374E+02	-6.614E+02	-2.120E+04	1.393E+04	9.858E+03	-2.694E+02	6.374E+02	-6.614E+02	-2.120E+04	-1.612E+04	-7.669E+03
Y	2	2	2	1	1	2	2	2	2	1	2	4
Y MAXIMUM	2.071E+03	-2.773E+03	5.884E+03	1.299E+05	4.977E+04	-7.981E+04	2.071E+03	-2.773E+03	5.884E+03	1.299E+05	1.434E+05	-9.242E+03
Z	1	4	1	1	1	4	1	4	1	1	2	3
Z MAXIMUM	-8.358E+02	-4.570E+02	-1.589E+03	-6.578E+04	4.323E+04	-7.069E+03	-8.358E+02	-4.570E+02	-1.589E+03	-6.578E+04	-6.873E+03	6.862E+03
GRAND TOTAL	2.537E+03	3.050E+03	6.561E+03	1.690E+05	7.383E+04	8.233E+04	2.537E+03	3.050E+03	6.561E+03	1.690E+05	1.451E+05	1.810E+04

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)
X	2	6	6	2	1	4	2	6	6	2	1	4
X MAXIMUM	-6.382E+02	-2.796E+02	-2.784E+02	1.715E+04	-2.631E+04	-1.948E+04	-6.382E+02	-2.796E+02	-2.784E+02	1.715E+04	-2.875E+04	-1.774E+04
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	5.677E+03	1.999E+03	9.212E+02	-1.526E+05	1.637E+05	1.478E+05	5.677E+03	1.999E+03	9.212E+02	-1.526E+05	1.786E+05	1.154E+05
Z	1	1	1	1	1	4	1	1	1	1	1	4
Z MAXIMUM	-1.029E+03	-8.431E+02	-4.693E+02	1.667E+04	-8.162E+04	1.397E+04	-1.029E+03	-8.431E+02	-4.693E+02	1.667E+04	-8.922E+04	1.272E+04
GRAND TOTAL	6.041E+03	2.492E+03	1.364E+03	1.574E+05	2.093E+05	1.537E+05	6.041E+03	2.492E+03	1.364E+03	1.574E+05	2.279E+05	1.227E+05



ELEMENT TYPE (3/D 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)
X	2	2	4	2	1	4	2	2	4	2	1	4
X MAXIMUM	-6.287E+02	-2.528E+02	2.195E+02	1.712E+04	-2.875E+04	-1.773E+04	-6.287E+02	-2.528E+02	2.195E+02	1.712E+04	-2.745E+04	-1.757E+04
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	5.593E+03	2.249E+03	-4.032E+02	-1.523E+05	1.786E+05	1.158E+05	5.593E+03	2.249E+03	-4.032E+02	-1.523E+05	1.598E+05	-2.118E+04
Z	1	3	3	1	1	4	1	3	3	1	1	4
Z MAXIMUM	-1.105E+03	3.269E+02	3.930E+02	1.670E+04	-8.922E+04	1.272E+04	-1.105E+03	3.269E+02	3.930E+02	1.670E+04	-8.518E+04	1.260E+04
GRAND TOTAL	5.933E+03	2.322E+03	7.950E+02	1.571E+05	2.279E+05	1.230E+05	5.933E+03	2.322E+03	7.950E+02	1.571E+05	2.101E+05	4.263E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 32)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	2	4	2	1	4	2	2	4	2	1	6
X MAXIMUM	-6.139E+02	-2.419E+02	2.639E+02	1.712E+04	-2.745E+04	-1.757E+04	-6.139E+02	-2.419E+02	2.639E+02	1.712E+04	-1.611E+04	1.486E+04
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	5.462E+03	2.152E+03	-2.010E+03	-1.523E+05	1.598E+05	-2.118E+04	5.462E+03	2.152E+03	-2.010E+03	-1.523E+05	6.597E+04	-8.964E+04
Z	1	3	1	1	1	4	1	3	1	1	1	3
Z MAXIMUM	-1.215E+03	2.734E+02	7.535E+02	1.670E+04	-8.518E+04	1.260E+04	-1.215E+03	2.734E+02	7.535E+02	1.670E+04	-5.000E+04	-1.970E+04
GRAND TOTAL	5.824E+03	2.202E+03	2.424E+03	1.571E+05	2.101E+05	4.263E+04	5.824E+03	2.202E+03	2.424E+03	1.571E+05	1.130E+05	1.008E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	2	1	2	1	6	2	2	1	2	4	2
X MAXIMUM	-5.989E+02	-2.186E+02	3.919E+02	1.712E+04	-1.611E+04	1.486E+04	-5.989E+02	-2.186E+02	3.919E+02	1.712E+04	2.631E+04	2.028E+04
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	5.328E+03	1.944E+03	-3.097E+03	-1.523E+05	6.597E+04	-8.964E+04	5.328E+03	1.944E+03	-3.097E+03	-1.523E+05	-7.858E+04	-1.804E+05
Z	1	3	1	1	1	3	1	3	1	1	3	3
Z MAXIMUM	-1.325E+03	1.830E+02	1.216E+03	1.670E+04	-5.000E+04	-1.970E+04	-1.325E+03	1.830E+02	1.216E+03	1.670E+04	3.470E+04	-2.824E+04
GRAND TOTAL	5.787E+03	2.004E+03	3.697E+03	1.571E+05	1.130E+05	1.008E+05	5.787E+03	2.004E+03	3.697E+03	1.571E+05	1.045E+05	1.868E+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)
X	2	4	1	2	4	2	2	4	1	2	6	2
X MAXIMUM	-5.835E+02	-1.966E+02	4.657E+02	1.712E+04	2.631E+04	2.028E+04	-5.835E+02	-1.966E+02	4.657E+02	1.712E+04	3.586E+04	2.937E+04
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	5.191E+03	1.733E+03	-3.591E+03	-1.523E+05	-7.858E+04	-1.804E+05	5.191E+03	1.733E+03	-3.591E+03	-1.523E+05	-2.462E+05	-2.613E+05
Z	1	4	1	1	3	3	1	4	1	1	1	3
Z MAXIMUM	-1.434E+03	1.410E+02	1.445E+03	1.670E+04	3.470E+04	-2.824E+04	-1.434E+03	1.410E+02	1.445E+03	1.670E+04	7.421E+04	-3.305E+04
GRAND TOTAL	5.821E+03	1.828E+03	4.302E+03	1.571E+05	1.045E+05	1.868E+05	5.821E+03	1.828E+03	4.302E+03	1.571E+05	2.866E+05	2.671E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	2	4	6	6	2	4	2	4	6	2	2
X MAXIMUM	7.629E+02	7.882E+02	-1.260E+03	1.604E+04	3.586E+04	3.006E+04	7.629E+02	7.882E+02	-1.260E+03	1.604E+04	2.778E+04	2.076E+04
Y	2	2	4	2	2	2	2	2	4	2	2	2
Y MAXIMUM	5.118E+03	-7.012E+03	-1.518E+03	-1.412E+05	-2.462E+05	-2.674E+05	5.118E+03	-7.012E+03	-1.518E+03	-1.412E+05	-2.471E+05	-1.847E+05
Z	1	3	1	1	1	3	1	3	1	1	1	3
Z MAXIMUM	-1.544E+03	-6.635E+02	9.301E+02	1.650E+04	7.421E+04	-3.340E+04	-1.544E+03	-6.635E+02	9.301E+02	1.650E+04	8.518E+04	-2.557E+04
GRAND TOTAL	5.932E+03	7.162E+03	2.826E+03	1.460E+05	2.866E+05	2.733E+05	5.932E+03	7.162E+03	2.826E+03	1.460E+05	2.883E+05	1.900E+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)
X	4	2	6	6	1	1	4	2	6	6	1	2
X MAXIMUM	1.501E+03	7.221E+02	-5.522E+02	1.357E+04	3.273E+04	9.696E+03	1.501E+03	7.221E+02	-5.522E+02	1.357E+04	3.252E+04	-1.972E+04
Y	2	2	2	2	2	1	2	2	2	2	2	2
Y MAXIMUM	4.433E+03	-6.424E+03	2.227E+03	-9.560E+04	-2.175E+05	3.464E+04	4.433E+03	-6.424E+03	2.227E+03	-9.560E+04	-1.466E+05	1.754E+05
Z	1	3	3	1	1	1	1	3	3	1	1	1
Z MAXIMUM	-1.858E+03	-5.757E+02	-8.567E+02	6.746E+03	1.016E+05	3.009E+04	-1.858E+03	-5.757E+02	-8.567E+02	6.746E+03	1.009E+05	4.402E+04
GRAND TOTAL	6.019E+03	6.557E+03	2.740E+03	9.807E+04	2.712E+05	5.725E+04	6.019E+03	6.557E+03	2.740E+03	9.807E+04	2.228E+05	1.907E+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)
X	4	2	6	6	1	2	4	2	6	6	4	2
X MAXIMUM	1.653E+03	5.776E+02	-4.163E+02	1.357E+04	3.252E+04	-1.972E+04	1.653E+03	5.776E+02	-4.163E+02	1.357E+04	-3.750E+04	-3.809E+04
Y	2	2	2	2	2	2	2	2	2	2	1	2
Y MAXIMUM	4.307E+03	-5.139E+03	2.160E+03	-9.560E+04	-1.466E+05	1.754E+05	4.307E+03	-5.139E+03	2.160E+03	-9.560E+04	1.091E+05	3.389E+05
Z	1	3	3	1	1	1	1	3	3	1	1	1
Z MAXIMUM	-1.889E+03	-4.549E+02	-7.027E+02	6.745E+03	1.009E+05	4.402E+04	-1.889E+03	-4.549E+02	-7.027E+02	6.745E+03	9.472E+04	5.536E+04
GRAND TOTAL	6.114E+03	5.245E+03	2.479E+03	9.807E+04	2.228E+05	1.907E+05	6.114E+03	5.245E+03	2.479E+03	9.807E+04	1.893E+05	3.542E+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)
X	4	2	6	6	4	2	4	2	6	6	4	2
X MAXIMUM	1.805E+03	3.577E+02	-2.181E+02	1.357E+04	-3.750E+04	-3.809E+04	1.805E+03	3.577E+02	-2.181E+02	1.357E+04	-3.887E+04	-4.948E+04
Y	2	2	2	2	1	2	2	2	2	2	1	2
Y MAXIMUM	4.179E+03	-3.183E+03	1.934E+03	-9.560E+04	1.091E+05	3.389E+05	4.179E+03	-3.183E+03	1.934E+03	-9.560E+04	9.475E+04	4.401E+05
Z	1	3	3	1	1	1	1	3	3	1	1	1
Z MAXIMUM	-1.920E+03	-2.976E+02	-4.459E+02	6.746E+03	9.472E+04	5.536E+04	-1.920E+03	-2.976E+02	-4.459E+02	6.746E+03	8.230E+04	6.267E+04
GRAND TOTAL	6.229E+03	3.255E+03	2.137E+03	9.807E+04	1.893E+05	3.542E+05	6.229E+03	3.255E+03	2.137E+03	9.807E+04	1.664E+05	4.569E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 39)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	4	4	6	4	2	4	4	4	6	4	2
X MAXIMUM	1.956E+03	1.169E+02	2.221E+02	1.357E+04	-3.887E+04	-4.947E+04	1.956E+03	1.169E+02	2.221E+02	1.357E+04	-3.179E+04	-5.192E+04
Y	2	2	2	2	1	2	2	2	2	2	1	2
Y MAXIMUM	4.050E+03	-6.821E+02	1.520E+03	-9.566E+04	9.475E+04	4.401E+05	4.050E+03	-6.821E+02	1.520E+03	-9.566E+04	7.309E+04	4.619E+05
Z	1	3	1	1	1	1	1	3	1	1	1	1
Z MAXIMUM	-1.951E+03	-1.233E+02	-5.908E+02	6.737E+03	8.230E+04	6.268E+04	-1.951E+03	-1.233E+02	-5.908E+02	6.737E+03	6.348E+04	6.484E+04
GRAND TOTAL	6.365E+03	7.600E+02	1.836E+03	9.813E+04	1.664E+05	4.569E+05	6.365E+03	7.600E+02	1.836E+03	9.813E+04	1.450E+05	4.795E+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)
X	4	2	4	6	4	2	4	2	4	6	6	2
X MAXIMUM	2.105E+03	-2.467E+02	4.470E+02	1.357E+04	-3.179E+04	-5.192E+04	2.105E+03	-2.467E+02	4.470E+02	1.357E+04	-2.269E+04	-4.408E+04
Y	2	2	2	2	1	2	2	2	2	2	2	2
Y MAXIMUM	3.921E+03	2.195E+03	9.108E+02	-9.553E+04	7.309E+04	4.619E+05	3.921E+03	2.195E+03	9.108E+02	-9.553E+04	6.102E+04	3.921E+05
Z	1	1	1	1	1	1	1	1	1	1	3	1
Z MAXIMUM	-1.981E+03	1.164E+02	-7.782E+02	6.755E+03	6.348E+04	6.484E+04	-1.981E+03	1.164E+02	-7.782E+02	6.755E+03	-5.298E+04	6.114E+04
GRAND TOTAL	6.519E+03	2.248E+03	1.752E+03	9.801E+04	1.450E+05	4.795E+05	6.519E+03	2.248E+03	1.752E+03	9.801E+04	1.169E+05	4.105E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 41)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	2	4	6	6	2	4	2	4	6	4	4
X MAXIMUM	2.273E+03	-6.364E+02	6.243E+02	1.357E+04	-2.269E+04	-4.408E+04	2.273E+03	-6.364E+02	6.243E+02	1.357E+04	7.413E+03	-2.792E+04
Y	2	2	1	2	2	2	2	2	1	2	2	2
Y MAXIMUM	3.774E+03	5.661E+03	-1.109E+03	-9.559E+04	6.102E+04	3.921E+05	3.774E+03	5.661E+03	-1.109E+03	-9.559E+04	6.175E+04	1.654E+05
Z	1	1	1	1	3	1	1	1	1	1	3	1
Z MAXIMUM	-2.015E+03	3.349E+02	-9.532E+02	6.746E+03	-5.298E+04	6.114E+04	-2.015E+03	3.349E+02	-9.632E+02	6.746E+03	-2.866E+04	4.773E+04
GRAND TOTAL	6.712E+03	5.750E+03	2.069E+03	9.806E+04	1.169E+05	4.105E+05	6.712E+03	5.750E+03	2.069E+03	9.806E+04	7.371E+04	1.928E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 42)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	4	4	6	4	4	4	4	4	6	4	2
X MAXIMUM	2.025E+03	-1.445E+03	6.733E+02	9.500E+03	1.500E+04	-1.951E+04	2.025E+03	-1.445E+03	6.733E+02	9.500E+03	2.464E+04	-1.896E+03
Y	2	2	1	2	2	2	2	2	1	2	2	2
Y MAXIMUM	9.424E+03	4.316E+03	-1.277E+03	-2.827E+04	1.008E+05	7.867E+04	9.424E+03	4.316E+03	-1.277E+03	-2.827E+04	8.359E+04	1.687E+04
Z	4	1	1	3	1	1	4	1	1	3	1	3
Z MAXIMUM	-1.452E+03	1.860E+03	-1.109E+03	-1.606E+04	-1.824E+04	3.064E+04	-1.452E+03	1.860E+03	-1.109E+03	-1.606E+04	-3.412E+04	-4.998E+03
GRAND TOTAL	1.038E+04	6.133E+03	2.751E+03	3.904E+04	1.094E+05	1.012E+05	1.038E+04	6.133E+03	2.751E+03	3.904E+04	1.084E+05	1.972E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 43)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	2	4	4	4	2	4	2	4	4	4	2
X MAXIMUM	6.253E+02	-1.539E+03	1.950E+02	2.654E+04	-1.392E+04	1.693E+04	6.253E+02	-1.539E+03	1.950E+02	2.654E+04	-8.945E+03	5.618E+04
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	-1.590E+03	1.369E+04	6.304E+02	-8.740E+04	-4.445E+04	-1.506E+05	-1.590E+03	1.369E+04	6.304E+02	-8.740E+04	-2.837E+04	-4.997E+05
Z	1	1	3	3	3	1	1	1	3	3	3	1
Z MAXIMUM	-1.104E+03	7.827E+02	-5.655E+02	-3.318E+04	4.022E+04	-5.018E+04	-1.104E+03	7.827E+02	-5.655E+02	-3.318E+04	2.580E+04	-7.014E+04
GRAND TOTAL	2.968E+03	1.391E+04	1.041E+03	1.192E+05	7.389E+04	1.743E+05	2.968E+03	1.391E+04	1.041E+03	1.192E+05	4.733E+04	5.162E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 44)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	2	4	4	4	2	4	2	4	4	4	2
X MAXIMUM	6.260E+02	-1.670E+03	1.991E+02	2.654E+04	-8.945E+03	5.618E+04	6.260E+02	-1.670E+03	1.991E+02	2.654E+04	-3.867E+03	9.875E+04
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	-1.590E+03	1.485E+04	6.355E+02	-8.738E+04	-2.837E+04	-4.998E+05	-1.590E+03	1.485E+04	6.355E+02	-8.738E+04	-1.217E+04	-8.785E+05
Z	1	1	3	3	3	1	1	1	3	3	3	1
Z MAXIMUM	-1.104E+03	8.347E+02	-5.752E+02	-3.318E+04	2.580E+04	-7.014E+04	-1.104E+03	8.347E+02	-5.752E+02	-3.318E+04	1.113E+04	-9.143E+04
GRAND TOTAL	2.970E+03	1.510E+04	1.057E+03	1.192E+05	4.733E+04	5.162E+05	2.970E+03	1.510E+04	1.057E+03	1.192E+05	2.038E+04	8.986E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 45)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	2	4	4	4	2	4	2	4	4	4	2
X MAXIMUM	6.264E+02	-1.734E+03	2.028E+02	2.654E+04	-3.867E+03	9.875E+04	6.264E+02	-1.734E+03	2.028E+02	2.654E+04	1.305E+03	1.430E+05
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	-1.591E+03	1.543E+04	6.403E+02	-8.742E+04	-1.217E+04	-8.785E+05	-1.591E+03	1.543E+04	6.403E+02	-8.742E+04	4.161E+03	-1.272E+06
Z	1	1	3	3	3	1	1	1	3	3	3	1
Z MAXIMUM	-1.104E+03	8.595E+02	-5.842E+02	-3.318E+04	1.113E+04	-9.143E+04	-1.104E+03	8.595E+02	-5.842E+02	-3.318E+04	-3.769E+03	-1.133E+05
GRAND TOTAL	2.971E+03	1.569E+04	1.071E+03	1.192E+05	2.038E+04	8.986E+05	2.971E+03	1.569E+04	1.071E+03	1.192E+05	6.922E+03	1.298E+06



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 46)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	2	4	4	4	2	4	2	4	4	4	2
X MAXIMUM	6.267E+02	-1.753E+03	2.044E+02	2.654E+04	1.305E+03	1.430E+05	6.267E+02	-1.753E+03	2.044E+02	2.654E+04	6.517E+03	1.877E+05
Y	2	2	2	2	2	2	2	2	2	2	2	2
Y MAXIMUM	-1.591E+03	1.559E+04	6.423E+02	-8.741E+04	4.161E+03	-1.272E+06	-1.591E+03	1.559E+04	6.423E+02	-8.741E+04	2.054E+04	-1.670E+06
Z	1	1	3	3	3	1	1	1	3	3	3	1
Z MAXIMUM	-1.104E+03	8.662E+02	-5.879E+02	-3.318E+04	-3.769E+03	-1.133E+05	-1.104E+03	8.662E+02	-5.879E+02	-3.318E+04	-1.876E+04	-1.354E+05
GRAND TOTAL	2.972E+03	1.586E+04	1.077E+03	1.192E+05	6.922E+03	1.298E+06	2.972E+03	1.586E+04	1.077E+03	1.192E+05	3.438E+04	1.701E+06

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 47)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	10	5	1	6	1	5	10	5	1	6	15	5
X MAXIMUM	1.605E+02	-2.054E+02	-9.534E+00	-2.722E+03	-8.771E+02	2.087E+04	1.600E+02	-2.266E+02	-9.534E+00	-2.782E+03	8.395E+02	2.271E+04
Y	10	2	1	1	1	5	10	5	1	1	14	5
Y MAXIMUM	2.468E+02	5.840E+01	-3.406E+01	-8.890E+03	-3.133E+03	-3.974E+03	2.460E+02	4.357E+01	-3.406E+01	-9.296E+03	-2.586E+03	-4.366E+03
Z	11	5	1	1	1	11	11	11	1	1	1	11
Z MAXIMUM	-1.900E+03	1.013E+02	-2.958E+01	-7.721E+03	-2.721E+03	1.741E+04	-1.890E+03	2.114E+02	-2.958E+01	-8.074E+03	-1.758E+03	1.682E+04
GRAND TOTAL	1.978E+03	2.696E+02	5.152E+01	1.413E+04	5.674E+03	3.046E+04	1.966E+03	3.466E+02	5.152E+01	1.448E+04	5.141E+03	3.217E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 47)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	5	1	6	15	5
X MAXIMUM	1.555E+02	-2.423E+02	-9.534E+00	-2.782E+03	9.283E+02	2.493E+04
Y	10	10	1	1	7	5
Y MAXIMUM	2.391E+02	-6.270E+01	-3.406E+01	-9.523E+03	3.047E+03	-4.792E+03
Z	11	11	1	1	14	11
Z MAXIMUM	-1.834E+03	5.045E+02	-2.958E+01	-8.271E+03	-1.199E+03	1.344E+04
GRAND TOTAL	1.906E+03	5.923E+02	5.152E+01	1.458E+04	5.152E+03	3.290E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 48)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	5	5	15	6	1	5	5	5	15	1	1	5
X MAXIMUM	4.830E+02	3.118E+02	5.656E+01	-2.792E+03	-3.050E+03	-1.821E+04	5.474E+02	1.757E+02	5.656E+01	-3.376E+03	-2.244E+03	-2.208E+04
Y	10	10	7	1	1	5	10	2	7	1	1	5
Y MAXIMUM	2.220E+02	7.386E+01	2.938E+02	-9.582E+03	-1.090E+04	3.501E+03	2.335E+02	-6.775E+01	2.938E+02	-1.206E+04	-8.015E+03	4.244E+03
Z	11	11	14	1	1	5	11	11	14	1	1	5
Z MAXIMUM	-1.549E+03	-6.671E+02	-7.217E+01	-8.305E+03	-9.465E+03	8.987E+03	-1.669E+03	-2.419E+02	-7.217E+01	-1.047E+04	-6.962E+03	1.089E+04
GRAND TOTAL	1.739E+03	7.730E+02	3.953E+02	1.464E+04	1.652E+04	2.224E+04	1.872E+03	3.392E+02	3.953E+02	1.801E+04	1.464E+04	2.774E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 48)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	5	13	15	1	15	5
X MAXIMUM	5.742E+02	-5.023E+01	5.656E+01	-3.842E+03	2.800E+03	-2.369E+04
Y	10	2	7	1	7	5
Y MAXIMUM	2.291E+02	-1.039E+02	2.938E+02	-1.373E+04	9.120E+03	4.554E+03
Z	11	11	14	1	1	5
Z MAXIMUM	-1.675E+03	2.000E+02	-7.217E+01	-1.192E+04	-3.980E+03	1.169E+04
GRAND TOTAL	1.879E+03	3.000E+02	3.953E+02	2.026E+04	1.633E+04	2.947E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 49)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	6	5	10	1	1	6	6	5	10	1	1	6
X MAXIMUM	-1.088E+03	-1.586E+02	6.724E+01	-3.839E+03	-3.456E+03	6.765E+03	-1.091E+03	-1.629E+02	6.724E+01	-4.090E+03	-3.299E+03	6.937E+03
Y	2	2	7	1	7	2	2	2	7	1	7	2
Y MAXIMUM	-5.651E+03	-2.689E+02	-3.803E+02	-1.371E+04	1.779E+04	3.464E+04	-5.655E+03	1.519E+02	-3.803E+02	-1.461E+04	1.611E+04	3.490E+04
Z	1	13	1	1	1	1	1	9	1	1	1	1
Z MAXIMUM	1.199E+03	-8.916E+01	-9.644E+01	-1.191E+04	-1.072E+04	-7.208E+03	1.200E+03	8.323E+01	-9.644E+01	-1.209E+04	-1.024E+04	-7.293E+03
GRAND TOTAL	6.357E+03	4.281E+02	4.660E+02	2.025E+04	2.627E+04	4.040E+04	6.363E+03	3.292E+02	4.660E+02	2.132E+04	2.444E+04	4.037E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 49)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	5	10	1	1	6
X MAXIMUM	-1.088E+03	-1.663E+02	6.724E+01	-4.329E+03	-3.125E+03	6.746E+03
Y	2	2	7	1	7	2
Y MAXIMUM	-5.628E+03	5.719E+02	-3.803E+02	-1.547E+04	1.433E+04	3.328E+04
Z	1	9	1	1	1	1
Z MAXIMUM	1.195E+03	1.200E+02	-9.644E+01	-1.343E+04	-9.695E+03	-6.981E+03
GRAND TOTAL	6.334E+03	6.927E+02	4.660E+02	2.243E+04	2.254E+04	3.838E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	4	1	1	1	1	4	4	4	1	1	6	4
X MAXIMUM	-8.482E+02	-2.678E+02	-3.904E+02	-1.505E+04	-1.417E+04	2.460E+04	-7.865E+02	4.130E+02	-3.904E+02	-2.272E+04	1.308E+04	2.349E+04
Y	2	2	2	1	2	2	2	2	2	1	2	2
Y MAXIMUM	6.514E+03	2.145E+03	2.586E+03	-5.377E+04	8.333E+04	-1.400E+05	6.123E+03	-3.089E+03	2.586E+03	-8.118E+04	9.731E+04	-1.329E+05
Z	1	1	1	1	1	1	1	1	1	1	3	1
Z MAXIMUM	-1.306E+03	-8.308E+02	-1.211E+03	-4.670E+04	-4.398E+04	4.388E+04	-1.511E+03	3.358E+02	-1.211E+03	-7.051E+04	-1.537E+04	4.757E+04
GRAND TOTAL	7.092E+03	2.604E+03	3.235E+03	7.464E+04	1.130E+05	1.641E+05	6.814E+03	3.264E+03	3.235E+03	1.299E+05	1.047E+05	1.601E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	4	1	1	1	4
X MAXIMUM	-2.677E+02	8.482E+02	-3.904E+02	-2.120E+04	8.025E+03	1.409E+04
Y	2	2	2	2	2	2
Y MAXIMUM	2.145E+03	-6.514E+03	2.586E+03	1.299E+05	5.429E+04	-6.132E+04
Z	1	1	1	1	1	1
Z MAXIMUM	-8.308E+02	1.306E+03	-1.211E+03	-6.578E+04	2.490E+04	3.534E+04
GRAND TOTAL	2.604E+03	7.092E+03	3.235E+03	1.690E+05	6.794E+04	8.726E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 51)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	4	6	1	2	2	2	4	6	6	2	4
X MAXIMUM	-2.709E+02	-7.166E+02	4.575E+02	-2.120E+04	1.335E+04	9.044E+03	-6.146E+02	-4.191E+02	4.575E+02	1.403E+04	2.245E+04	1.728E+04
Y	2	2	2	2	2	2	2	2	2	1	2	2
Y MAXIMUM	1.996E+03	5.736E+03	-1.880E+03	1.299E+05	-1.188E+05	-8.046E+04	5.467E+03	2.644E+03	-1.880E+03	-4.754E+04	-1.997E+05	-1.429E+05
Z	1	1	1	1	2	3	1	4	1	1	1	3
Z MAXIMUM	-8.407E+02	-9.756E+02	8.799E+02	-6.578E+04	5.692E+03	-9.296E+03	-1.284E+03	3.005E+02	8.799E+02	-4.129E+04	5.831E+04	-1.379E+04
GRAND TOTAL	2.481E+03	6.134E+03	2.459E+03	1.690E+05	1.200E+05	8.354E+04	6.003E+03	2.784E+03	2.459E+03	7.063E+04	2.213E+05	1.487E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 51)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	1	6	2	1	4
X MAXIMUM	-7.166E+02	2.709E+02	4.575E+02	1.715E+04	2.631E+04	1.948E+04
Y	2	2	2	2	2	2
Y MAXIMUM	5.736E+03	-1.996E+03	-1.880E+03	-1.526E+05	-1.637E+05	-1.478E+05
Z	1	1	1	1	1	4
Z MAXIMUM	-9.756E+02	8.407E+02	8.799E+02	1.667E+04	8.162E+04	-1.397E+04
GRAND TOTAL	6.134E+03	2.481E+03	2.459E+03	1.574E+05	2.093E+05	1.537E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 52)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	4	4	2	2	2	2	4	4	2	6	2	1
X MAXIMUM	8.463E+02	1.275E+03	7.819E+02	1.668E+04	-2.012E+04	2.778E+04	1.134E+03	1.028E+03	7.819E+02	1.519E+04	-1.206E+04	3.113E+04
Y	2	4	2	2	2	2	2	4	2	2	2	2
Y MAXIMUM	5.050E+03	1.537E+03	-6.956E+03	-1.484E+05	1.790E+05	-2.471E+05	4.955E+03	1.239E+03	-6.956E+03	-1.126E+05	1.073E+05	-2.414E+05
Z	1	1	3	1	3	1	1	4	3	1	1	1
Z MAXIMUM	-1.555E+03	-9.669E+02	-6.495E+02	1.691E+04	2.525E+04	8.518E+04	-1.745E+03	-7.369E+02	-6.495E+02	1.309E+04	-2.064E+04	9.659E+04
GRAND TOTAL	5.947E+03	2.869E+03	7.104E+03	1.533E+05	1.842E+05	2.883E+05	6.103E+03	2.520E+03	7.104E+03	1.166E+05	1.152E+05	2.878E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 52)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	4	2	6	1	1
X MAXIMUM	1.352E+03	7.171E+02	7.819E+02	1.357E+04	-9.696E+03	3.273E+04
Y	2	2	2	2	1	2
Y MAXIMUM	4.555E+03	-2.194E+03	-6.956E+03	-9.560E+04	-3.464E+04	-2.175E+05
Z	1	3	3	1	1	1
Z MAXIMUM	-1.828E+03	8.914E+02	-6.495E+02	6.746E+03	-3.009E+04	1.016E+05
GRAND TOTAL	5.949E+03	2.865E+03	7.104E+03	9.807E+04	5.725E+04	2.712E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	4	2	4	6	4	4	4	2	4	6	4	4
X MAXIMUM	2.398E+03	-9.366E+02	6.665E+02	1.357E+04	7.414E+03	-2.792E+04	2.342E+03	-7.077E+02	6.665E+02	1.167E+04	1.213E+04	-2.692E+04
Y	2	2	1	2	2	2	2	2	1	2	2	2
Y MAXIMUM	3.662E+03	8.332E+03	-1.230E+03	-9.559E+04	6.175E+04	1.654E+05	6.571E+03	6.296E+03	-1.230E+03	-6.581E+04	8.796E+04	1.130E+05
Z	1	1	1	1	3	1	1	1	1	3	3	1
Z MAXIMUM	-2.040E+03	4.978E+02	-1.068E+03	6.745E+03	-2.866E+04	4.773E+04	-1.695E+03	1.241E+03	-1.068E+03	-9.992E+03	-2.078E+04	4.150E+04
GRAND TOTAL	6.870E+03	8.455E+03	2.504E+03	9.806E+04	7.371E+04	1.928E+05	8.494E+03	6.821E+03	2.504E+03	6.928E+04	9.632E+04	1.432E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	4	4	6	4	4
X MAXIMUM	1.930E+03	-1.461E+03	6.665E+02	9.499E+03	1.500E+04	-1.951E+04
Y	2	2	1	2	2	2
Y MAXIMUM	8.481E+03	3.302E+03	-1.230E+03	-2.827E+04	1.008E+05	7.867E+04
Z	4	1	1	3	1	1
Z MAXIMUM	-1.384E+03	1.795E+03	-1.068E+03	-1.606E+04	-1.824E+04	3.064E+04
GRAND TOTAL	9.466E+03	5.391E+03	2.504E+03	3.904E+04	1.094E+05	1.012E+05

# SUMMARY OF SUPPORT FORCES/MOMENTS IN GLOBAL/LOCAL SYSTEMS

BORY- BOUNDARY ELEMENTS (SPRING)  
 THAM- THERMAL ANCHOR MOTION  
 SEAM- SEISMIC ANCHOR MOTION  
 SNBR- SNUBBER ELEMENT

LOAD CASE		1 ENVELOPE SPECTRUM ANALYSIS									
KIND OF SUPPORT	NODE NUMBER	FX	FY	FZ	GLOBAL COMPONENTS MX	MY	MZ	LOCAL COMPONENTS FL	ML		
BORY	49	0	11	0	0	0	0	11	0		
BORY	55	1095	0	7760	0	0	0	7837	0		
BORY	41	3638	0	2601	0	0	0	4472	0		
BORY	41	0	8931	0	0	0	0	8931	0		
BORY	5	0	359	0	0	0	0	359	0		
BORY	8	0	729	0	0	0	0	729	0		
BORY	14	0	784	0	0	0	0	784	0		
BORY	20	0	1043	0	0	0	0	1043	0		
BORY	25	0	1378	0	0	0	0	1378	0		
BORY	29A	0	3408	0	0	0	0	3408	0		
BORY	37	0	1448	0	0	0	0	1448	0		
BORY	1	1685	0	0	0	0	0	1685	0		
BORY	1	0	87	0	0	0	0	87	0		
BORY	1	0	0	1370	0	0	0	1370	0		
BORY	1	0	0	0	9930	0	0	9930	0		
BORY	1	0	0	0	0	58341	0	58341	0		
BORY	1	0	0	0	0	0	10767	10767	0		
BORY	59	3031	0	0	0	0	0	3031	0		
BORY	59	0	15859	0	0	0	0	15859	0		
BORY	59	0	0	896	0	0	0	896	0		
BORY	59	0	0	0	169277	0	0	169277	0		
BORY	59	0	0	0	0	34378	0	34378	0		
BORY	59	0	0	0	0	0	1697062	1697062	0		
SNBR	13	6784	0	315	0	0	0	6792	0		
SNBR	14A	37	0	800	0	0	0	801	0		
SNBR	18	31	0	302	0	0	0	303	0		
SNBR	29	4325	0	6063	0	0	0	7447	0		
SNBR	32	9758	0	6969	0	0	0	11991	0		

Problem 3b

Independent Support Motion Solution  
SRSS Group Combination

SUPPORT GROUP 1  
.....

DIRECTION FACTORS

X = 1.0000 Y = 1.0000 Z = 1.0000

INDICATOR FOR DISPLACEMENT (1) ACCELERATION SPECTRUM = 2

EQ. 0 DISPLACEMENT  
EQ. 1 ACCELERATION IN IN./SEC. 2  
EQ. 2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 1. KIND = 2

CLUSTER FACTOR, CF = .00010

# MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	7.238	.1195E+01	.1665E+01	.4984E-01
2	10.145	.1430E+01	-.1294E+01	-.1882E+00
3	14.579	.8615E+00	-.2616E+00	.2675E-01
4	15.991	-.1411E+01	-.1014E+01	.1791E+00
5	17.198	.1786E+00	.1039E+00	-.7587E+00
6	17.987	.1490E-01	-.4569E+00	-.3152E+00
7	22.282	.1864E+00	.1500E+01	-.3007E+00
8	23.632	.1766E+00	-.2066E+00	-.4653E+00
9	27.864	.1669E+00	.7106E-01	.1467E+01
10	29.211	-.3405E+00	-.9451E-01	-.6513E+00
11	29.514	-.2730E-01	-.2215E-01	-.1852E+00
12	31.554	.2043E-01	.3127E+00	-.3471E-01
13	34.018	.1040E+01	-.1947E+00	-.4140E+00
14	34.778	-.5106E+00	-.5334E+00	.6711E+00
15	35.122	.3220E+00	-.3168E+00	-.7291E+00

## SPECTRUM TABLE ( X-SPECTRUM GROUP 1

NUMBER OF POINTS = 78  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	0.	.7710E+00
2	.1300E-01	.8300E+00
3	.2500E-01	.8930E+00
4	.3500E-01	.9560E+00
5	.3600E-01	.9669E+00
6	.3700E-01	.9823E+00
7	.3800E-01	.1004E+01
8	.3900E-01	.1049E+01
9	.4100E-01	.1070E+01
10	.4200E-01	.1073E+01
11	.4400E-01	.1090E+01
12	.5300E-01	.1335E+01



13	.5600E-01	.1472E+01
14	.6400E-01	.1512E+01
15	.6500E-01	.1524E+01
16	.7000E-01	.1855E+01
17	.7200E-01	.2064E+01
18	.7400E-01	.2399E+01
19	.7410E-01	.2560E+01
20	.7500E-01	.2687E+01
21	.7600E-01	.2975E+01
22	.7300E-01	.3116E+01
23	.8000E-01	.3134E+01
24	.8200E-01	.3134E+01
25	.8500E-01	.3112E+01
26	.8600E-01	.3077E+01
27	.9200E-01	.2931E+01
28	.9600E-01	.2781E+01
29	.1030E+00	.2627E+01
30	.1040E+00	.2674E+01
31	.1050E+00	.2744E+01
32	.1120E+00	.2797E+01
33	.1200E+00	.2807E+01
34	.1260E+00	.2755E+01
35	.1270E+00	.2685E+01
36	.1280E+00	.2635E+01
37	.1340E+00	.2667E+01
38	.1510E+00	.2761E+01
39	.1670E+00	.2844E+01
40	.1680E+00	.2849E+01
41	.1740E+00	.2873E+01
42	.1870E+00	.2900E+01
43	.1970E+00	.2923E+01
44	.1980E+00	.3002E+01
45	.2090E+00	.5152E+01
46	.2130E+00	.5227E+01
47	.2330E+00	.5232E+01
48	.2550E+00	.5224E+01
49	.2570E+00	.5189E+01
50	.2620E+00	.4793E+01
51	.2680E+00	.4189E+01
52	.2730E+00	.3766E+01
53	.2770E+00	.3532E+01
54	.2800E+00	.3384E+01
55	.2860E+00	.3215E+01
56	.2950E+00	.3066E+01
57	.3090E+00	.2951E+01
58	.3390E+00	.2782E+01
59	.3760E+00	.2639E+01
60	.3840E+00	.2640E+01
61	.4040E+00	.2644E+01
62	.4390E+00	.2592E+01
63	.4820E+00	.2479E+01
64	.5180E+00	.2382E+01
65	.5610E+00	.2304E+01
66	.5900E+00	.2246E+01
67	.6430E+00	.2084E+01

68	.6970E+00	.1904E+01
69	.7090E+00	.1869E+01
70	.7200E+00	.1839E+01
71	.7450E+00	.1774E+01
72	.7730E+00	.1704E+01
73	.7850E+00	.1676E+01
74	.8150E+00	.1606E+01
75	.8400E+00	.1549E+01
76	.9070E+00	.1399E+01
77	.9590E+00	.1282E+01
78	.1000E+01	.1162E+01

SPECTRUM TABLE ( Y-SPECTRUM GROUP 1

NUMBER OF POINTS = 18  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.1667E-01	.7500E+00
2	.4167E-01	.1200E+01
3	.5650E-01	.3050E+01
4	.6900E-01	.3050E+01
5	.7090E-01	.3620E+01
6	.8680E-01	.3620E+01
7	.1010E+00	.3250E+01
8	.1230E+00	.3250E+01
9	.1280E+00	.2580E+01
10	.1850E+00	.2580E+01
11	.1930E+00	.2780E+01
12	.2350E+00	.2780E+01
13	.2630E+00	.2610E+01
14	.4830E+00	.2610E+01
15	.5260E+00	.1800E+01
16	.6170E+00	.1800E+01
17	.6670E+00	.1450E+01
18	.2000E+01	.3500E+00

SPECTRUM TABLE ( Z-SPECTRUM GROUP 1

NUMBER OF POINTS = 78  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	0.	.7710E+00
2	.1300E-01	.8300E+00
3	.2500E-01	.8930E+00
4	.3500E-01	.9560E+00
5	.3600E-01	.9669E+00
6	.3700E-01	.9823E+00
7	.3800E-01	.1004E+01
8	.3900E-01	.1049E+01

9	.4100E-01	.1070E+01
10	.4200E-01	.1073E+01
11	.4400E-01	.1090E+01
12	.5300E-01	.1335E+01
13	.5600E-01	.1472E+01
14	.6400E-01	.1512E+01
15	.6500E-01	.1524E+01
16	.7000E-01	.1855E+01
17	.7200E-01	.2064E+01
18	.7400E-01	.2399E+01
19	.7410E-01	.2560E+01
20	.7500E-01	.2687E+01
21	.7600E-01	.2975E+01
22	.7800E-01	.3116E+01
23	.8000E-01	.3134E+01
24	.8200E-01	.3134E+01
25	.8500E-01	.3112E+01
26	.8600E-01	.3077E+01
27	.9200E-01	.2931E+01
28	.9600E-01	.2781E+01
29	.1030E+00	.2627E+01
30	.1040E+00	.2674E+01
31	.1050E+00	.2744E+01
32	.1120E+00	.2797E+01
33	.1200E+00	.2807E+01
34	.1260E+00	.2755E+01
35	.1270E+00	.2685E+01
36	.1280E+00	.2635E+01
37	.1340E+00	.2667E+01
38	.1510E+00	.2761E+01
39	.1670E+00	.2844E+01
40	.1680E+00	.2849E+01
41	.1740E+00	.2873E+01
42	.1870E+00	.2900E+01
43	.1970E+00	.2923E+01
44	.1980E+00	.3002E+01
45	.2090E+00	.5152E+01
46	.2130E+00	.5227E+01
47	.2330E+00	.5232E+01
48	.2550E+00	.5224E+01
49	.2570E+00	.5189E+01
50	.2620E+00	.4793E+01
51	.2680E+00	.4189E+01
52	.2730E+00	.3766E+01
53	.2770E+00	.3532E+01
54	.2800E+00	.3384E+01
55	.2860E+00	.3215E+01
56	.2950E+00	.3066E+01
57	.3090E+00	.2951E+01
58	.3390E+00	.2782E+01
59	.3760E+00	.2639E+01
60	.3840E+00	.2640E+01
61	.4040E+00	.2644E+01
62	.4390E+00	.2592E+01
63	.4820E+00	.2479E+01

64	.5180E+00	.2382E+01
65	.5610E+00	.2304E+01
66	.5900E+00	.2246E+01
67	.6430E+00	.2084E+01
68	.6970E+00	.1904E+01
69	.7090E+00	.1869E+01
70	.7200E+00	.1839E+01
71	.7450E+00	.1774E+01
72	.7730E+00	.1704E+01
73	.7850E+00	.1676E+01
74	.8150E+00	.1606E+01
75	.8400E+00	.1549E+01
76	.9070E+00	.1399E+01
77	.9590E+00	.1282E+01
78	.1000E+01	.1162E+01

CLUSTERING. +1 MEANS MODE 1 CLOSE TO I+1. -1, NOT.  
-1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. 0.

SUPPORT GROUP 2  
\*\*\*\*\*

DIRECTION FACTORS

X = 1.0000 Y = 1.0000 Z = 1.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 2

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION IN IN./SEC.2  
EQ.2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 2. KIND= 2

CLUSTER FACTOR, CF = .00010

# MODAL PARTICIPATION FACTORS

MODE	FREQ(CFS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	7.238	-.5380E+00	.2546E+00	.2257E+00
2	10.145	-.3096E+00	-.8668E+00	.2334E+00
3	14.579	-.1971E+00	.5510E+00	.2505E+00
4	15.991	-.4820E+00	.2140E+00	-.6813E+00
5	17.198	-.7009E+00	.3021E-02	.4661E+00
6	17.987	-.1971E+01	-.5522E-01	-.4405E+00
7	22.282	-.3290E+00	.5170E+00	-.4955E-01
8	23.632	-.4716E+00	-.3875E+00	-.1184E+00
9	27.864	.1119E+01	-.3091E+00	-.1653E+00
10	29.211	-.8250E+00	-.1798E+00	.1334E+00
11	29.514	.2317E+01	-.9134E-02	-.5378E-01
12	31.554	.1671E+00	-.5883E+00	.1480E+00
13	34.018	-.2231E+00	.6790E+00	.2026E+00
14	34.778	.7803E+00	.1174E+01	.1397E+00
15	35.122	-.8378E+00	.2979E+00	-.1559E+00

## SPECTRUM TABLE ( X-SPECTRUM GROUP 2

NUMBER OF POINTS = 78  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	0.	.7710E+00
2	.1300E-01	.8300E+00
3	.2500E-01	.8930E+00
4	.3500E-01	.9560E+00
5	.3600E-01	.9669E+00
6	.3700E-01	.9823E+00
7	.3800E-01	.1004E+01
8	.3900E-01	.1049E+01
9	.4100E-01	.1070E+01
10	.4200E-01	.1073E+01
11	.4400E-01	.1090E+01
12	.5300E-01	.1335E+01

13	.5600E-01	.1472E+01
14	.6400E-01	.1512E+01
15	.6500E-01	.1524E+01
16	.7000E-01	.1855E+01
17	.7200E-01	.2064E+01
18	.7400E-01	.2399E+01
19	.7410E-01	.2560E+01
20	.7500E-01	.2687E+01
21	.7600E-01	.2975E+01
22	.7800E-01	.3116E+01
23	.8000E-01	.3134E+01
24	.8200E-01	.3134E+01
25	.8500E-01	.3112E+01
26	.8600E-01	.3077E+01
27	.9200E-01	.2931E+01
28	.9600E-01	.2781E+01
29	.1030E+00	.2627E+01
30	.1040E+00	.2674E+01
31	.1050E+00	.2744E+01
32	.1120E+00	.2797E+01
33	.1200E+00	.2807E+01
34	.1260E+00	.2755E+01
35	.1270E+00	.2685E+01
36	.1280E+00	.2635E+01
37	.1340E+00	.2667E+01
38	.1510E+00	.2761E+01
39	.1670E+00	.2844E+01
40	.1680E+00	.2849E+01
41	.1740E+00	.2873E+01
42	.1870E+00	.2900E+01
43	.1970E+00	.2923E+01
44	.1980E+00	.3002E+01
45	.2090E+00	.5152E+01
46	.2130E+00	.5227E+01
47	.2330E+00	.5232E+01
48	.2550E+00	.5224E+01
49	.2570E+00	.5189E+01
50	.2620E+00	.4793E+01
51	.2680E+00	.4189E+01
52	.2730E+00	.3766E+01
53	.2770E+00	.3532E+01
54	.2800E+00	.3384E+01
55	.2860E+00	.3215E+01
56	.2950E+00	.3066E+01
57	.3090E+00	.2951E+01
58	.3390E+00	.2782E+01
59	.3760E+00	.2639E+01
60	.3840E+00	.2640E+01
61	.4040E+00	.2644E+01
62	.4390E+00	.2592E+01
63	.4820E+00	.2479E+01
64	.5180E+00	.2382E+01
65	.5610E+00	.2304E+01
66	.5900E+00	.2246E+01
67	.6430E+00	.2084E+01



68	6970E+00	1904E+01
69	7090E+00	1869E+01
70	7200E+00	1839E+01
71	7450E+00	1774E+01
72	7730E+00	1704E+01
73	7850E+00	1676E+01
74	8150E+00	1606E+01
75	8400E+00	1549E+01
76	9070E+00	1399E+01
77	9590E+00	1282E+01
78	1000E+01	1162E+01

SPECTRUM TABLE ( Y-SPECTRUM GROUP 2

NUMBER OF POINTS = 17  
SCALE FACTOR = 10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	200E-01	1050E+01
2	4750E-01	1850E+01
3	5230E-01	4490E+01
4	6250E-01	4490E+01
5	7100E-01	5950E+01
6	8680E-01	5950E+01
7	9170E-01	4820E+01
8	1176E+00	3030E+01
9	1316E+00	3030E+01
10	2000E+00	3170E+01
11	2016E+00	3170E+01
12	2460E+00	2680E+01
13	3440E+00	2680E+01
14	4830E+00	1800E+01
15	5260E+00	1800E+01
16	6670E+00	1800E+01
17	2000E+01	3500E+00

SPECTRUM TABLE ( Z-SPECTRUM GROUP 2

NUMBER OF POINTS = 78  
SCALE FACTOR = 10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	0	7710E+00
2	1300E-01	8300E+00
3	2500E-01	8930E+00
4	3500E-01	9560E+00
5	3600E-01	9669E+00
6	3700E-01	9823E+00
7	3800E-01	1004E+01
8	3900E-01	1049E+01
9	4100E-01	1070E+01

10	.4200E-01	.1073E+01
11	.4400E-01	.1090E+01
12	.5300E-01	.1335E+01
13	.5600E-01	.1472E+01
14	.6400E-01	.1512E+01
15	.6500E-01	.1524E+01
16	.7000E-01	.1855E+01
17	.7200E-01	.2064E+01
18	.7400E-01	.2399E+01
19	.7410E-01	.2560E+01
20	.7500E-01	.2687E+01
21	.7600E-01	.2975E+01
22	.7800E-01	.3116E+01
23	.8000E-01	.3134E+01
24	.8200E-01	.3134E+01
25	.8500E-01	.3112E+01
26	.8600E-01	.3077E+01
27	.9200E-01	.2931E+01
28	.9600E-01	.2781E+01
29	.1030E+00	.2627E+01
30	.1040E+00	.2674E+01
31	.1050E+00	.2744E+01
32	.1120E+00	.2797E+01
33	.1200E+00	.2807E+01
34	.1260E+00	.2755E+01
35	.1270E+00	.2685E+01
36	.1280E+00	.2635E+01
37	.1340E+00	.2667E+01
38	.1510E+00	.2761E+01
39	.1670E+00	.2844E+01
40	.1680E+00	.2849E+01
41	.1740E+00	.2873E+01
42	.1870E+00	.2900E+01
43	.1970E+00	.2923E+01
44	.1980E+00	.3002E+01
45	.2090E+00	.5152E+01
46	.2130E+00	.5227E+01
47	.2330E+00	.5232E+01
48	.2550E+00	.5224E+01
49	.2570E+00	.5189E+01
50	.2620E+00	.4793E+01
51	.2680E+00	.4189E+01
52	.2730E+00	.3766E+01
53	.2770E+00	.3532E+01
54	.2800E+00	.3384E+01
55	.2860E+00	.3215E+01
56	.2950E+00	.3066E+01
57	.3090E+00	.2951E+01
58	.3390E+00	.2782E+01
59	.3760E+00	.2639E+01
60	.3840E+00	.2640E+01
61	.4040E+00	.2644E+01
62	.4390E+00	.2592E+01
63	.4820E+00	.2479E+01
64	.5180E+00	.2382E+01

65	.5610E+00	.2304E+01
66	.5900E+00	.2246E+01
67	.6430E+00	.2084E+01
68	.6970E+00	.1904E+01
69	.7090E+00	.1869E+01
70	.7200E+00	.1839E+01
71	.7450E+00	.1774E+01
72	.7730E+00	.1704E+01
73	.7850E+00	.1676E+01
74	.8150E+00	.1606E+01
75	.8400E+00	.1549E+01
76	.9070E+00	.1399E+01
77	.9590E+00	.1282E+01
78	.1000E+01	.1162E+01

CLUSTERING. +1 MEANS MODE 1 CLOSE TO I+1. -1, NOT.  
-1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. 0.

SUPPORT GROUP 3  
\*\*\*\*\*

DIRECTION FACTORS

X = 1.0000 Y = 1.0000 Z = 1.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 2

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION IN IN./SEC.2  
EQ.2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 3. KIND= 2

CLUSTER FACTOR, CF = .00010

# MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	7.238	0.	-.1071E+01	0.
2	10.145	0.	-.2843E-02	0.
3	14.579	0.	.4267E-01	0.
4	15.991	0.	.1140E+00	0.
5	17.198	0.	-.5667E-01	0.
6	17.987	0.	.3387E+00	0.
7	22.282	0.	-.1229E+01	0.
8	23.632	0.	.7272E+00	0.
9	27.864	0.	-.5560E-01	0.
10	29.211	0.	-.2557E+00	0.
11	29.514	0.	-.4288E-01	0.
12	31.554	0.	.1017E+00	0.
13	34.018	0.	.4684E-01	0.
14	34.778	0.	.3113E+00	0.
15	35.122	0.	.2176E+00	0.

## SPECTRUM TABLE ( X-SPECTRUM GROUP 3

NUMBER OF POINTS = 78  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	0.	.7710E+00
2	.1300E-01	.8300E+00
3	.2500E-01	.8930E+00
4	.3500E-01	.9560E+00
5	.3600E-01	.9669E+00
6	.3700E-01	.9823E+00
7	.3800E-01	.1004E+01
8	.3900E-01	.1049E+01
9	.4100E-01	.1070E+01
10	.4200E-01	.1073E+01
11	.4400E-01	.1090E+01
12	.5300E-01	.1335E+01

13	.5600E-01	.1472E+01
14	.6400E-01	.1512E+01
15	.6500E-01	.1524E+01
16	.7000E-01	.1855E+01
17	.7200E-01	.2064E+01
18	.7400E-01	.2399E+01
19	.7410E-01	.2560E+01
20	.7500E-01	.2687E+01
21	.7600E-01	.2975E+01
22	.7800E-01	.3116E+01
23	.8000E-01	.3134E+01
24	.8200E-01	.3134E+01
25	.8500E-01	.3112E+01
26	.8600E-01	.3077E+01
27	.9200E-01	.2931E+01
28	.9600E-01	.2781E+01
29	.1030E+00	.2627E+01
30	.1040E+00	.2674E+01
31	.1050E+00	.2744E+01
32	.1120E+00	.2797E+01
33	.1200E+00	.2807E+01
34	.1260E+00	.2755E+01
35	.1270E+00	.2685E+01
36	.1280E+00	.2635E+01
37	.1340E+00	.2667E+01
38	.1510E+00	.2761E+01
39	.1670E+00	.2844E+01
40	.1680E+00	.2849E+01
41	.1740E+00	.2873E+01
42	.1870E+00	.2900E+01
43	.1970E+00	.2923E+01
44	.1980E+00	.3002E+01
45	.2090E+00	.5152E+01
46	.2130E+00	.5227E+01
47	.2330E+00	.5232E+01
48	.2550E+00	.5224E+01
49	.2570E+00	.5189E+01
50	.2620E+00	.4793E+01
51	.2680E+00	.4189E+01
52	.2730E+00	.3766E+01
53	.2770E+00	.3532E+01
54	.2800E+00	.3384E+01
55	.2860E+00	.3215E+01
56	.2950E+00	.3066E+01
57	.3090E+00	.2951E+01
58	.3390E+00	.2782E+01
59	.3760E+00	.2639E+01
60	.3840E+00	.2640E+01
61	.4040E+00	.2544E+01
62	.4390E+00	.2592E+01
63	.4820E+00	.2479E+01
64	.5180E+00	.2382E+01
65	.5610E+00	.2304E+01
66	.5900E+00	.2246E+01
67	.6430E+00	.2084E+01

68	.6970E+00	.1904E+01
69	.7090E+00	.1869E+01
70	.7200E+00	.1839E+01
71	.7450E+00	.1774E+01
72	.7730E+00	.1704E+01
73	.7850E+00	.1676E+01
74	.8150E+00	.1606E+01
75	.8400E+00	.1549E+01
76	.9070E+00	.1399E+01
77	.9590E+00	.1282E+01
78	.1000E+01	.1162E+01

SPECTRUM TABLE ( Y-SPECTRUM GROUP 3

NUMBER OF POINTS = 17  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.2000E-01	.1550E+01
2	.4760E-01	.2250E+01
3	.5650E-01	.5920E+01
4	.6330E-01	.5920E+01
5	.6490E-01	.6390E+01
6	.7400E-01	.6390E+01
7	.7910E-01	.8180E+01
8	.9660E-01	.8180E+01
9	.1050E+00	.7210E+01
10	.1230E+00	.7210E+01
11	.1390E+00	.3820E+01
12	.2020E+00	.3420E+01
13	.2470E+00	.3420E+01
14	.3330E+00	.2720E+01
15	.4830E+00	.2720E+01
16	.5260E+00	.1880E+01
17	.2000E+01	.4000E+00

SPECTRUM TABLE ( Z-SPECTRUM GROUP 3

NUMBER OF POINTS = 78  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	0.	.7710E+00
2	.1300E-01	.8300E+00
3	.2500E-01	.8930E+00
4	.3500E-01	.9560E+00
5	.3600E-01	.9669E+00
6	.3700E-01	.9823E+00
7	.3800E-01	.1004E+01
8	.3900E-01	.1049E+01
9	.4100E-01	.1070E+01



10	.4200E-01	.1073E+01
11	.4400E-01	.1090E+01
12	.5300E-01	.1335E+01
13	.5600E-01	.1472E+01
14	.6400E-01	.1512E+01
15	.6500E-01	.1524E+01
16	.7000E-01	.1855E+01
17	.7200E-01	.2064E+01
18	.7400E-01	.2399E+01
19	.7410E-01	.2560E+01
20	.7500E-01	.2687E+01
21	.7600E-01	.2975E+01
22	.7800E-01	.3116E+01
23	.8000E-01	.3134E+01
24	.8200E-01	.3134E+01
25	.8500E-01	.3112E+01
26	.8600E-01	.3077E+01
27	.9200E-01	.2931E+01
28	.9600E-01	.2781E+01
29	.1030E+00	.2627E+01
30	.1040E+00	.2674E+01
31	.1050E+00	.2744E+01
32	.1120E+00	.2797E+01
33	.1200E+00	.2807E+01
34	.1260E+00	.2755E+01
35	.1270E+00	.2685E+01
36	.1280E+00	.2635E+01
37	.1340E+00	.2667E+01
38	.1510E+00	.2761E+01
39	.1670E+00	.2844E+01
40	.1680E+00	.2849E+01
41	.1740E+00	.2873E+01
42	.1870E+00	.2900E+01
43	.1970E+00	.2923E+01
44	.1980E+00	.3002E+01
45	.2090E+00	.5152E+01
46	.2130E+00	.5227E+01
47	.2330E+00	.5232E+01
48	.2550E+00	.5224E+01
49	.2570E+00	.5189E+01
50	.2620E+00	.4793E+01
51	.2680E+00	.4189E+01
52	.2730E+00	.3766E+01
53	.2770E+00	.3532E+01
54	.2800E+00	.3384E+01
55	.2860E+00	.3215E+01
56	.2950E+00	.3066E+01
57	.3090E+00	.2951E+01
58	.3390E+00	.2782E+01
59	.3760E+00	.2639E+01
60	.3840E+00	.2640E+01
61	.4040E+00	.2644E+01
62	.4390E+00	.2592E+01
63	.4820E+00	.2479E+01
64	.5180E+00	.2382E+01

65	.5610E+00	.2304E+01
66	.5900E+00	.2246E+01
67	.6430E+00	.2084E+01
68	.6970E+00	.1904E+01
69	.7090E+00	.1869E+01
70	.7200E+00	.1839E+01
71	.7450E+00	.1774E+01
72	.7730E+00	.1704E+01
73	.7850E+00	.1676E+01
74	.8150E+00	.1606E+01
75	.8400E+00	.1549E+01
76	.9070E+00	.1399E+01
77	.9590E+00	.1282E+01
78	.1000E+01	.1162E+01

CLUSTERING. +1 MEANS MODE I CLOSE TO I+1. -1, NOT.  
-1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. 0.

SUPPORT GROUP 4  
\*\*\*\*\*

DIRECTION FACTORS

X = 1.0000 Y = 1.0000 Z = 1.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 2

EQ.0 DISPLACEMENT

EQ.1 ACCELERATION IN IN./SEC.2

EQ.2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 4, KIND= 2

CLUSTER FACTOR, CF = .00010

## MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	7.238	-.1579E+00	.1854E-01	.1273E+01
2	10.145	-.4011E-01	-.1166E-02	.4156E+00
3	14.579	-.2305E+00	-.1640E-02	.1815E+01
4	15.991	-.3317E+00	.2107E-02	.2097E+01
5	17.198	-.5352E+00	.8299E-03	.8145E+00
6	17.987	-.6845E-01	-.4812E-02	.3020E+00
7	22.282	-.1729E-01	-.4105E-01	.2028E+00
8	23.632	-.1205E+00	.1809E-01	.9771E+00
9	27.864	-.2641E+00	-.1847E-01	.1535E+00
10	29.211	.4406E+00	-.3769E-01	.5934E+00
11	29.514	-.2309E+01	-.5941E-02	-.1646E+01
12	31.554	-.3054E-01	.2305E-01	.2587E+00
13	34.018	-.9236E-01	.3522E-02	-.6727E+00
14	34.778	.1473E+00	.7033E-01	-.1236E-01
15	35.122	-.1470E+00	.6874E-01	.8423E-01

## SPECTRUM TABLE ( X-SPECTRUM GROUP 4

NUMBER OF POINTS = 78  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	0.	.7710E+00
2	.1300E-01	.8300E+00
3	.2500E-01	.8930E+00
4	.3500E-01	.9560E+00
5	.3600E-01	.9669E+00
6	.3700E-01	.9823E+00
7	.3800E-01	.1004E+01
8	.3900E-01	.1049E+01
9	.4100E-01	.1070E+01
10	.4200E-01	.1073E+01
11	.4400E-01	.1090E+01
12	.5300E-01	.1335E+01

13	.5600E-01	.1472E+01
14	.6400E-01	.1512E+01
15	.6500E-01	.1524E+01
16	.7000E-01	.1855E+01
17	.7200E-01	.2064E+01
18	.7400E-01	.2399E+01
19	.7410E-01	.2560E+01
20	.7500E-01	.2687E+01
21	.7600E-01	.2975E+01
22	.7800E-01	.3116E+01
23	.8000E-01	.3134E+01
24	.8200E-01	.3134E+01
25	.8500E-01	.3112E+01
26	.8600E-01	.3077E+01
27	.9200E-01	.2931E+01
28	.9600E-01	.2781E+01
29	.1030E+00	.2627E+01
30	.1040E+00	.2674E+01
31	.1050E+00	.2744E+01
32	.1120E+00	.2797E+01
33	.1200E+00	.2807E+01
34	.1260E+00	.2755E+01
35	.1270E+00	.2685E+01
36	.1280E+00	.2635E+01
37	.1340E+00	.2667E+01
38	.1510E+00	.2761E+01
39	.1670E+00	.2844E+01
40	.1680E+00	.2845E+01
41	.1740E+00	.2873E+01
42	.1870E+00	.2900E+01
43	.1970E+00	.2923E+01
44	.1980E+00	.3002E+01
45	.2090E+00	.5152E+01
46	.2130E+00	.5227E+01
47	.2330E+00	.5232E+01
48	.2550E+00	.5224E+01
49	.2570E+00	.5189E+01
50	.2620E+00	.4793E+01
51	.2680E+00	.4189E+01
52	.2730E+00	.3766E+01
53	.2770E+00	.3532E+01
54	.2800E+00	.3384E+01
55	.2860E+00	.3215E+01
56	.2950E+00	.3066E+01
57	.3090E+00	.2951E+01
58	.3390E+00	.2782E+01
59	.3760E+00	.2639E+01
60	.3840E+00	.2640E+01
61	.4040E+00	.2644E+01
62	.4390E+00	.2592E+01
63	.4820E+00	.2479E+01
64	.5180E+00	.2392E+01
65	.5610E+00	.2304E+01
66	.5900E+00	.2246E+01
67	.6430E+00	.2084E+01

68	.6970E+00	.1904E+01
69	.7090E+00	.1869E+01
70	.7200E+00	.1839E+01
71	.7450E+00	.1774E+01
72	.7730E+00	.1704E+01
73	.7850E+00	.1676E+01
74	.8150E+00	.1606E+01
75	.8400E+00	.1549E+01
76	.9070E+00	.1399E+01
77	.9590E+00	.1282E+01
78	.1000E+01	.1162E+01

SPECTRUM TABLE ( Y-SPECTRUM GROUP 4 )

NUMBER OF POINTS = 14  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.2000E-01	.1500E+01
2	.4500E-01	.1800E+01
3	.5700E-01	.2700E+01
4	.7100E-01	.1070E+02
5	.8700E-01	.1070E+02
6	.9600E-01	.1210E+02
7	.1230E+00	.1210E+02
8	.1430E+00	.4500E+01
9	.2020E+00	.3500E+01
10	.2470E+00	.3500E+01
11	.3330E+00	.2750E+01
12	.5000E+00	.2750E+01
13	.7690E+00	.1400E+01
14	.2000E+01	.5000E+00

SPECTRUM TABLE ( Z-SPECTRUM GROUP 4 )

NUMBER OF POINTS = 78  
SCALE FACTOR = .10000E+01

INPUT POINT	PERIOD	SPECTRUM VALUE
1	0.	.7710E+00
2	.1300E-01	.8300E+00
3	.2500E-01	.8930E+00
4	.3500E-01	.9560E+00
5	.3600E-01	.9669E+00
6	.3700E-01	.9823E+00
7	.3800E-01	.1004E+01
8	.3900E-01	.1049E+01
9	.4100E-01	.1070E+01
10	.4200E-01	.1073E+01
11	.4400E-01	.1090E+01
12	.5300E-01	.1335E+01

13	.5600E-01	.1472E+01
14	.6400E-01	.1512E+01
15	.6500E-01	.1524E+01
16	.7000E-01	.1855E+01
17	.7200E-01	.2064E+01
18	.7400E-01	.2399E+01
19	.7410E-01	.2560E+01
20	.7500E-01	.2687E+01
21	.7600E-01	.2975E+01
22	.7800E-01	.3116E+01
23	.8000E-01	.3134E+01
24	.8200E-01	.3134E+01
25	.8500E-01	.3112E+01
26	.8600E-01	.3077E+01
27	.9200E-01	.2931E+01
28	.9600E-01	.2781E+01
29	.1030E+00	.2627E+01
30	.1040E+00	.2674E+01
31	.1050E+00	.2744E+01
32	.1120E+00	.2797E+01
33	.1200E+00	.2807E+01
34	.1260E+00	.2755E+01
35	.1270E+00	.2685E+01
36	.1280E+00	.2635E+01
37	.1340E+00	.2667E+01
38	.1510E+00	.2761E+01
39	.1670E+00	.2844E+01
40	.1680E+00	.2849E+01
41	.1740E+00	.2873E+01
42	.1870E+00	.2900E+01
43	.1970E+00	.2923E+01
44	.1980E+00	.3002E+01
45	.2090E+00	.5152E+01
46	.2130E+00	.5227E+01
47	.2330E+00	.5232E+01
48	.2550E+00	.5224E+01
49	.2570E+00	.5189E+01
50	.2620E+00	.4793E+01
51	.2680E+00	.4189E+01
52	.2730E+00	.3766E+01
53	.2770E+00	.3532E+01
54	.2800E+00	.3384E+01
55	.2860E+00	.3215E+01
56	.2950E+00	.3066E+01
57	.3090E+00	.2951E+01
58	.3390E+00	.2782E+01
59	.3760E+00	.2639E+01
60	.3840E+00	.2640E+01
61	.4040E+00	.2644E+01
62	.4390E+00	.2592E+01
63	.4820E+00	.2479E+01
64	.5180E+00	.2382E+01
65	.5610E+00	.2304E+01
66	.5900E+00	.2246E+01
67	.6430E+00	.2084E+01



68	.6970E+00	.1904E+01
69	.7090E+00	.1869E+01
70	.7200E+00	.1839E+01
71	.7450E+00	.1774E+01
72	.7730E+00	.1704E+01
73	.7850E+00	.1676E+01
74	.8150E+00	.1606E+01
75	.8400E+00	.1549E+01
76	.9070E+00	.1399E+01
77	.9590E+00	.1282E+01
78	.1000E+01	.1162E+01

CLUSTERING. +1 MEANS MODE 1 CLOSE TO I+1. -1, NOT.  
 -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. -1. 0.

COMBINATION OF INDIVIDUAL SUPPORT GROUP RESPONSES

KIND=1 SUPPORT COMBINATION AFTER SAP SUMMATION

KIND=1 SUPPORT COMBINATION DONE FIRST

GROUP COMBINATION TYPE= 3

ALGEBRAIC METHOD	= 1
ABSOLUTE METHOD	= 2
SRSS METHOD	= 3

NODE		DISPLACEMENTS / ROTATIONS						ACCELERATIONS IN G'S		
NODE NUMBER	MODE NUMBER	X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION	X- DIRECTION	Y- DIRECTION	Z- DIRECTION
1	TOTAL..	3.16045E-09	1.09087E-10	2.40848E-09	1.27105E-08	7.74059E-08	1.28607E-08	.000	.000	.000
2	TOTAL..	5.73397E-03	4.73290E-04	5.45935E-03	8.91828E-05	2.97079E-04	8.74191E-05	.269	.040	.228
3	TOTAL..	1.66052E-02	1.07397E-03	1.60558E-02	1.79401E-04	3.53779E-04	1.71327E-04	.689	.091	.614
4	TOTAL..	2.59367E-02	1.08582E-03	2.53075E-02	2.74398E-04	2.66482E-04	2.52625E-04	.916	.084	.838
5	TOTAL..	2.73993E-02	5.24102E-10	2.73629E-02	3.21936E-04	2.85279E-04	2.88068E-04	.888	.000	.844
6	TOTAL..	2.64523E-02	4.84878E-03	2.80102E-02	4.32268E-04	3.45052E-04	3.18340E-04	.829	.333	1.248
7	TOTAL..	2.17365E-02	7.08807E-03	2.60262E-02	6.06008E-04	3.78735E-04	2.81719E-04	.896	.483	1.965
8	TOTAL..	1.30863E-02	1.14423E-09	2.15929E-02	8.16191E-04	4.50401E-04	2.46019E-04	.687	.000	1.906
9	TOTAL..	8.42544E-03	7.17347E-03	2.11087E-02	9.10539E-04	4.59614E-04	2.51918E-04	.471	.464	1.633
10	TOTAL..	3.78842E-03	1.58420E-02	2.27459E-02	9.92363E-04	4.24697E-04	2.43502E-04	.212	.991	1.312
11	TOTAL..	1.36043E-03	2.26546E-02	2.54494E-02	1.11711E-03	1.40511E-04	1.05941E-04	.051	1.413	.978
12	TOTAL..	1.12786E-03	1.91117E-02	2.23445E-02	1.26744E-03	1.58326E-04	1.20393E-04	.038	1.177	.765
13	TOTAL..	6.50051E-04	1.00526E-02	1.40000E-02	1.42033E-03	2.41777E-04	2.59567E-04	.024	.572	.520
14	TOTAL..	3.74914E-04	1.06794E-09	6.35204E-03	1.53165E-03	2.51460E-04	3.54107E-04	.020	.000	.269
14A	TOTAL..	5.02093E-04	1.06638E-02	2.31078E-05	1.62829E-03	2.18514E-04	3.92956E-04	.020	.555	.001
15	TOTAL..	1.41246E-03	3.36702E-02	1.08207E-02	1.88942E-03	8.76223E-05	1.54459E-04	.042	1.771	.737
16	TOTAL..	2.05228E-03	2.87664E-02	9.28414E-03	2.15759E-03	1.23503E-04	2.88251E-04	.066	1.510	.593

17	TOTAL..	2.16185E-03	2.56210E-02	7.94483E-03	2.19237E-03	1.77940E-04	3.84427E-04	.088	1.343	.498
18	TOTAL..	3.10687E-03	8.51134E-03	3.19182E-04	2.33041E-03	2.32251E-04	4.71114E-04	.093	.451	.010
20	TOTAL..	3.65472E-03	1.41603E-09	4.00617E-03	2.39824E-03	2.30225E-04	4.72568E-04	.113	.000	.258
21	TOTAL..	4.89672E-03	1.63039E-02	1.29240E-02	2.57950E-03	1.32992E-04	3.97815E-04	.156	.836	.750
22	TOTAL..	5.45374E-03	2.21762E-02	1.46034E-02	2.78523E-03	8.14600E-05	2.02489E-04	.163	1.130	.766
23	TOTAL..	4.88383E-03	1.86769E-02	5.22732E-03	3.01651E-03	3.56932E-04	2.75678E-04	.136	.920	.339
24	TOTAL..	1.42123E-02	4.17899E-03	2.33529E-02	3.11716E-03	9.23198E-04	1.43413E-03	.339	.133	.574
25	TOTAL..	1.72582E-02	1.66626E-09	2.75622E-02	3.14844E-03	9.31230E-04	1.52826E-03	.399	.000	.657
26	TOTAL..	4.18619E-02	2.35836E-02	6.15106E-02	3.45885E-03	7.13693E-04	2.29041E-03	.841	.944	1.265
27	TOTAL..	5.37496E-02	2.87024E-02	7.76153E-02	3.87866E-03	1.19159E-04	2.91725E-03	.943	1.276	1.392
28	TOTAL..	4.21462E-02	2.01836E-02	6.07773E-02	4.42286E-03	9.71609E-04	3.39204E-03	.628	.905	.928
29	TOTAL..	5.84807E-04	4.54702E-03	4.17192E-04	5.09436E-03	2.20599E-03	3.69214E-03	.028	.173	.020
29A	TOTAL..	1.72687E-02	2.77588E-09	2.32227E-02	5.28461E-03	2.51584E-03	3.73943E-03	.219	.000	.287
31	TOTAL..	8.89711E-02	1.84029E-02	1.24111E-01	5.86520E-03	3.10497E-03	4.02556E-03	1.059	.469	1.476
32	TOTAL..	1.65719E-01	3.11243E-02	2.32048E-01	6.23474E-03	2.95940E-03	4.59510E-03	1.930	.799	2.702
34	TOTAL..	2.79896E-01	2.35273E-02	3.33433E-01	5.26036E-03	1.54037E-03	6.91409E-03	2.120	.751	2.666
35	TOTAL..	4.61980E-01	2.35074E-02	4.48664E-01	5.26737E-03	1.01470E-03	7.05298E-03	2.942	.750	2.692
36	TOTAL..	5.67443E-01	9.17037E-03	5.21947E-01	4.58846E-03	2.08625E-03	5.83780E-03	3.599	.354	3.095

37	TOTAL..	5.38412E-01	1.73607E-09	5.01045E-01	4.51169E-03	2.43378E-03	5.79980E-03	3.405	.000	2.964
38	TOTAL..	4.28185E-01	2.07361E-02	4.21591E-01	4.24280E-03	3.45110E-03	5.74080E-03	2.773	.862	2.545
39	TOTAL..	2.82323E-01	3.04398E-02	3.16937E-01	4.02487E-03	4.23128E-03	5.67337E-03	2.035	1.184	2.073
40	TOTAL..	1.18438E-01	2.44900E-02	1.99099E-01	3.91124E-03	4.47142E-03	5.58016E-03	1.232	.827	1.584
41	TOTAL..	6.51694E-02	2.92348E-09	9.11609E-02	3.94728E-03	4.00960E-03	5.44715E-03	.890	.000	1.244
43	TOTAL..	9.90437E-02	1.03221E-02	7.21646E-02	3.96731E-03	3.78807E	5.41440E-03	.996	.243	1.209
44	TOTAL..	1.77752E-01	6.62529E-02	5.61371E-02	3.84934E-03	2.28490E-03	5.43037E-03	1.480	.924	1.216
45	TOTAL..	2.34213E-01	1.64028E-01	5.57098E-02	3.58132E-03	1.60076E-03	5.45129E-03	2.070	1.764	1.243
46	TOTAL..	2.67642E-01	2.50783E-01	5.65265E-02	3.10154E-03	9.78072E-04	5.49842E-03	2.548	2.491	1.276
47	TOTAL..	2.77824E-01	3.19007E-01	5.75886E-02	2.47545E-03	7.09732E-04	5.56796E-03	2.787	3.004	1.306
48	TOTAL..	2.66788E-01	3.64829E-01	5.84000E-02	1.80376E-03	1.01158E-03	5.65308E-03	2.734	3.303	1.324
49	TOTAL..	2.39417E-01	3.87477E-01	5.89274E-02	1.23348E-03	1.40785E-03	5.74351E-03	2.418	3.454	1.329
51	TOTAL..	1.94349E-01	3.88826E-01	5.94943E-02	9.55664E-04	1.64275E-03	5.84574E-03	1.834	3.586	1.318
52	TOTAL..	1.48817E-01	3.78918E-01	5.15974E-02	1.83840E-03	1.54675E-03	5.98205E-03	1.385	3.610	1.142
53	TOTAL..	7.79767E-02	3.86400E-01	3.25668E-02	1.89754E-03	1.50862E-03	5.96354E-03	.729	3.637	.744
55	TOTAL..	7.01770E-04	2.86305E-01	9.90249E-05	1.32986E-03	2.19107E-04	4.15003E-03	.013	2.921	.002
56	TOTAL..	8.04466E-04	1.86050E-01	2.99286E-03	1.00252E-03	5.43323E-05	3.66802E-03	.017	1.856	.076
57	TOTAL..	6.28038E-04	8.17011E-02	2.77307E-03	6.77036E-04	3.79123E-05	2.83312E-03	.014	.930	.070
58	TOTAL..	2.85629E-04	2.29567E-02	1.14902E-03	3.45425E-04	5.63278E-05	1.61549E-03	.006	.266	.029

59	TOTAL..	2.83406E-09	4.92285E-09	8.00000E-10	8.90886E-08	2.84579E-08	5.49310E-07	.000	.000	.000
61	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
62	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
63	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
65	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
66	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
67	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
68	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
69	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
70	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
71	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
72	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
73	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
74	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
75	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
1X	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
1Y	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
1Z	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000

59X TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
59Y TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
59Z TOTAL..	0.	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.500



# RESPONSE SPECTRUM STRESS COMPONENTS (KIND = 2)

OR EACH ELEMENT, THE FOLLOWING INFORMATION IS PRINTED

1. FOR EACH EARTH QUAKE DIRECTION; THE NUMBER OF THE MODE WITH THE LARGEST STRESS.
  2. THE VALUE OF THAT STRESS.
  3. IF REQUESTED; THE MODE BY MODE STRESSES FOR EACH EARTH QUAKE DIRECTION.
  4. THE RESULTANT FOR EACH EARTH QUAKE DIRECTION.
  5. THE GRAND TOTAL OF THE THREE EARTH QUAKE DIRECTIONS.
- (NOTE THE X, Y, OR Z REFERS TO THE EARTH QUAKE DIRECTION.)

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)
X	11	1	11	1	5	14	11	1	11	1	5	1
X MAXIMUM	3.357E+03	2.543E+01	5.810E+02	6.582E+03	3.962E+04	1.100E+03	3.357E+03	2.543E+01	5.810E+02	6.582E+03	1.724E+04	1.663E+02
Y	14	7	5	1	5	7	14	7	5	1	5	7
Y MAXIMUM	1.521E+02	5.892E+01	1.808E+02	1.133E+04	1.371E+04	3.111E+03	1.521E+02	5.892E+01	1.808E+02	1.133E+04	5.968E+03	5.873E+02
Z	11	1	5	1	5	1	11	1	5	1	5	1
Z MAXIMUM	1.701E+03	2.492E+01	7.007E+02	6.450E+03	5.314E+04	9.043E+02	1.701E+03	2.492E+01	7.007E+02	6.450E+03	2.313E+04	1.630E+02
GRAND TOTAL	3.807E+03	1.091E+02	1.139E+03	1.722E+04	7.741E+04	5.027E+03	3.807E+03	1.091E+02	1.139E+03	1.722E+04	3.093E+04	7.753E+02

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)
X	11	1	11	1	5	1	11	1	11	1	11	1
X MAXIMUM	3.345E+03	2.527E+01	4.925E+02	6.582E+03	1.724E+04	1.683E+02	3.345E+03	2.527E+01	4.925E+02	6.582E+03	1.791E+04	1.249E+03
Y	14	7	5	1	5	7	14	7	5	1	5	7
Y MAXIMUM	1.513E+02	5.321E+01	1.648E+02	1.133E+04	5.968E+03	5.873E+02	1.513E+02	5.321E+01	1.648E+02	1.133E+04	1.091E+03	2.150E+03
Z	11	1	5	1	5	1	11	1	5	1	11	1
Z MAXIMUM	1.695E+03	2.476E+01	6.387E+02	6.450E+03	2.313E+04	1.630E+02	1.695E+03	2.476E+01	6.387E+02	6.450E+03	9.076E+03	1.224E+03
GRAND TOTAL	3.793E+03	9.725E+01	1.014E+03	1.722E+04	3.093E+04	7.753E+02	3.793E+03	9.725E+01	1.014E+03	1.722E+04	2.095E+04	3.963E+03

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)
X	11	1	5	1	11	1	11	1	5	1	11	1
X MAXIMUM	3.322E+03	2.502E+01	3.370E+02	6.582E+03	1.791E+04	1.249E+03	3.322E+03	2.502E+01	3.370E+02	6.582E+03	3.021E+04	2.321E+03
Y	14	1	5	1	5	1	14	1	5	1	5	1
Y MAXIMUM	1.499E+02	4.309E+01	1.167E+02	1.133E+04	1.091E+03	2.150E+03	1.499E+02	4.309E+01	1.167E+02	1.133E+04	6.088E+03	3.996E+03
Z	11	1	5	1	11	1	11	1	5	1	5	1
Z MAXIMUM	1.683E+03	2.452E+01	4.520E+02	6.450E+03	9.076E+03	1.224E+03	1.683E+03	2.452E+01	4.520E+02	6.450E+03	2.359E+04	2.274E+03
GRAND TOTAL	3.767E+03	7.421E+01	6.808E+02	1.722E+04	2.095E+04	3.963E+03	3.767E+03	7.421E+01	6.808E+02	1.722E+04	4.621E+04	7.094E+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)
X	11	14	11	1	11	14	11	14	11	1	5	1
X MAXIMUM	3.126E+03	9.938E+01	9.147E+02	7.051E+03	2.332E+04	1.417E+03	3.126E+03	9.938E+01	9.147E+02	7.051E+03	2.314E+04	2.939E+03
Y	14	7	10	1	5	7	14	7	10	1	5	7
Y MAXIMUM	1.541E+02	3.825E+02	3.085E+01	1.214E+04	7.340E+03	5.884E+03	1.541E+02	3.825E+02	3.085E+01	1.214E+04	8.010E+03	8.842E+03
Z	11	14	11	1	5	15	11	14	11	1	5	1
Z MAXIMUM	1.584E+03	7.217E+01	4.635E+02	6.909E+03	2.845E+04	1.051E+03	1.584E+03	7.217E+01	4.635E+02	6.909E+03	3.104E+04	2.880E+03
GRAND TOTAL	3.548E+03	5.103E+02	1.033E+03	1.741E+04	4.599E+04	7.558E+03	3.548E+03	5.103E+02	1.033E+03	1.741E+04	4.344E+04	1.335E+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)
X	11	14	11	1	5	1	11	14	11	1	11	1
X MAXIMUM	3.033E+03	6.177E+01	5.999E+02	7.050E+03	2.314E+04	2.939E+03	3.033E+03	6.177E+01	5.999E+02	7.050E+03	4.069E+04	5.711E+03
Y	14	7	5	1	5	7	14	7	5	1	5	7
Y MAXIMUM	1.625E+02	3.162E+02	6.013E+01	1.214E+04	8.010E+03	8.842E+03	1.625E+02	3.162E+02	6.013E+01	1.214E+04	5.124E+03	2.402E+04
Z	11	1	11	1	5	1	11	1	11	1	11	1
Z MAXIMUM	1.537E+03	5.660E+01	3.040E+02	6.909E+03	3.104E+04	2.880E+03	1.537E+03	5.660E+01	3.040E+02	6.909E+03	2.062E+04	5.597E+03
GRAND TOTAL	3.457E+03	4.002E+02	7.432E+02	1.741E+04	4.344E+04	1.335E+04	3.457E+03	4.002E+02	7.432E+02	1.741E+04	5.284E+04	3.235E+04

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)
X	11	1	5	1	11	1	11	1	5	1	11	1
X MAXIMUM	2.916E+03	5.478E+01	3.331E+02	7.049E+03	4.069E+04	5.713E+03	2.916E+03	5.478E+01	3.331E+02	7.049E+03	3.392E+04	8.341E+03
Y	14	7	5	1	5	7	14	7	5	1	14	7
Y MAXIMUM	1.709E+02	2.057E+02	1.153E+02	1.214E+04	5.124E+03	2.402E+04	1.709E+02	2.057E+02	1.153E+02	1.214E+04	1.636E+03	3.389E+04
Z	11	1	5	1	11	1	11	1	5	1	11	1
Z MAXIMUM	1.477E+03	5.368E+01	4.467E+02	6.908E+03	2.062E+04	5.598E+03	1.477E+03	5.368E+01	4.467E+02	6.908E+03	1.719E+04	8.174E+03
GRAND TOTAL	3.347E+03	2.513E+02	6.193E+02	1.741E+04	5.284E+04	3.235E+04	3.347E+03	2.513E+02	6.193E+02	1.741E+04	3.829E+04	4.354E+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)
X	11	14	11	1	11	1	11	14	11	1	11	1
X MAXIMUM	2.822E+03	1.719E+02	6.661E+02	7.055E+03	3.392E+04	8.336E+03	2.822E+03	1.719E+02	6.661E+02	7.055E+03	1.969E+04	8.199E+03
Y	14	7	5	1	14	7	14	7	5	1	5	7
Y MAXIMUM	1.762E+02	7.580E+02	1.197E+02	1.215E+04	1.636E+03	3.389E+04	1.762E+02	7.580E+02	1.197E+02	1.215E+04	2.963E+03	1.770E+04
Z	11	15	5	1	11	1	11	15	5	1	5	1
Z MAXIMUM	1.430E+03	1.262E+02	4.638E+02	6.914E+03	1.719E+04	8.169E+03	1.430E+03	1.262E+02	4.638E+02	6.914E+03	1.148E+04	8.035E+03
GRAND TOTAL	3.264E+03	9.398E+02	9.728E+02	1.743E+04	3.829E+04	4.353E+04	3.264E+03	9.398E+02	9.728E+02	1.743E+04	2.720E+04	2.705E+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)
X	11	14	11	1	11	1	11	14	11	1	5	1
X MAXIMUM	2.732E+03	1.478E+02	9.337E+02	7.051E+03	1.969E+04	8.202E+03	2.762E+03	1.478E+02	9.337E+02	7.051E+03	1.550E+04	8.093E+03
Y	14	7	5	1	5	7	14	7	5	1	5	1
Y MAXIMUM	1.792E+02	7.067E+02	1.125E+02	1.214E+04	2.963E+03	1.770E+04	1.792E+02	7.067E+02	1.125E+02	1.214E+04	5.363E+03	1.394E+04
Z	11	15	11	1	5	1	11	15	11	1	5	1
Z MAXIMUM	1.399E+03	1.089E+02	4.731E+02	6.910E+03	1.148E+04	8.038E+03	1.399E+03	1.089E+02	4.731E+02	6.910E+03	2.078E+04	7.931E+03
GRAND TOTAL	3.211E+03	8.590E+02	1.201E+03	1.742E+04	2.720E+04	2.706E+04	3.211E+03	8.590E+02	1.201E+03	1.742E+04	2.813E+04	1.921E+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)
X	11	7	11	1	5	14	11	7	11	1	5	10
X MAXIMUM	2.924E+03	3.153E+01	1.594E+02	1.015E+04	2.015E+04	4.187E+03	2.924E+03	3.153E+01	1.594E+02	1.015E+04	1.571E+04	3.768E+03
Y	6	7	14	1	5	7	6	7	14	1	5	7
Y MAXIMUM	1.863E+02	2.777E+02	8.768E+01	1.748E+04	6.975E+03	1.761E+04	1.863E+02	2.777E+02	8.768E+01	1.748E+04	5.437E+03	2.911E+04
Z	11	8	5	1	5	1	11	8	5	1	5	1
Z MAXIMUM	1.482E+03	3.067E+01	1.440E+02	9.950E+03	2.703E+04	3.351E+03	1.482E+03	3.067E+01	1.440E+02	9.950E+03	2.107E+04	3.571E+03
GRAND TOTAL	3.433E+03	3.023E+02	3.332E+02	2.349E+04	3.899E+04	2.355E+04	3.433E+03	3.023E+02	3.332E+02	2.349E+04	2.946E+04	3.308E+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)
X	11	14	5	1	5	10	11	14	5	1	5	1
X MAXIMUM	2.934E+03	1.264E+02	2.425E+02	1.015E+04	1.571E+04	3.768E+03	2.934E+03	1.264E+02	2.425E+02	1.015E+04	5.663E+03	4.009E+03
Y	6	14	6	1	5	7	6	14	6	1	14	7
Y MAXIMUM	1.866E+02	2.498E+02	9.082E+01	1.748E+04	5.437E+03	2.911E+04	1.866E+02	2.498E+02	9.082E+01	1.748E+04	4.777E+03	2.797E+04
Z	11	14	5	1	5	1	11	14	5	1	5	1
Z MAXIMUM	1.486E+03	9.177E+01	3.253E+02	9.950E+03	2.107E+04	3.571E+03	1.486E+03	9.177E+01	3.253E+02	9.950E+03	7.595E+03	3.928E+03
GRAND TOTAL	3.444E+03	3.503E+02	4.607E+02	2.349E+04	2.946E+04	3.308E+04	3.444E+03	3.503E+02	4.607E+02	2.349E+04	1.562E+04	3.122E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	14	5	1	5	1	6	14	5	1	6	14
X MAXIMUM	1.075E+03	1.549E+02	3.149E+02	1.015E+04	5.663E+03	4.009E+03	1.075E+03	1.549E+02	3.149E+02	1.015E+04	4.251E+03	6.994E+03
Y	1	14	5	1	14	7	1	14	5	1	14	7
Y MAXIMUM	1.764E+03	3.062E+02	1.090E+02	1.748E+04	4.777E+03	2.797E+04	1.764E+03	3.062E+02	1.090E+02	1.748E+04	4.590E+03	2.277E+04
Z	1	15	5	1	5	1	1	15	5	1	5	14
Z MAXIMUM	1.004E+03	1.136E+02	4.224E+02	9.950E+03	7.595E+03	3.929E+03	1.004E+03	1.136E+02	4.224E+02	9.950E+03	5.077E+03	5.079E+03
GRAND TOTAL	3.625E+03	4.733E+02	5.710E+02	2.349E+04	1.562E+04	3.122E+04	3.625E+03	4.733E+02	5.710E+02	2.349E+04	1.509E+04	3.154E+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)
X	6	7	5	1	6	14	6	7	5	1	5	14
X MAXIMUM	1.075E+03	1.070E+02	3.401E+02	1.015E+04	4.251E+03	6.994E+03	1.075E+03	1.070E+02	3.401E+02	1.015E+04	1.263E+04	4.388E+03
Y	1	7	5	1	14	7	1	7	5	1	6	14
Y MAXIMUM	1.764E+03	9.424E+02	1.177E+02	1.748E+04	4.590E+03	2.277E+04	1.764E+03	9.424E+02	1.177E+02	1.748E+04	6.354E+03	8.674E+03
Z	1	8	5	1	5	14	1	8	5	1	5	14
Z MAXIMUM	1.004E+03	1.078E+02	4.561E+02	9.950E+03	5.077E+03	5.079E+03	1.004E+03	1.078E+02	4.561E+02	9.950E+03	1.694E+04	3.186E+03
GRAND TOTAL	3.624E+03	1.039E+03	6.151E+02	2.349E+04	1.509E+04	3.154E+04	3.624E+03	1.039E+03	6.151E+02	2.349E+04	2.675E+04	1.339E+04

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)
X	6	14	13	1	5	14	6	14	13	1	5	7
X MAXIMUM	1.072E+03	1.011E+02	1.377E+02	1.015E+04	1.263E+04	4.388E+03	1.072E+03	1.011E+02	1.377E+02	1.015E+04	9.907E+03	5.960E+03
Y	1	7	14	1	6	14	1	7	14	1	14	7
Y MAXIMUM	1.763E+03	7.278E+02	1.633E+02	1.748E+04	6.354E+03	8.674E+03	1.763E+03	7.278E+02	1.633E+02	1.748E+04	7.604E+03	5.251E+04
Z	1	8	9	1	5	14	1	8	9	1	5	8
Z MAXIMUM	1.003E+03	8.092E+01	1.343E+02	9.950E+03	1.694E+04	3.186E+03	1.003E+03	8.092E+01	1.343E+02	9.950E+03	1.329E+04	6.097E+03
GRAND TOTAL	3.618E+03	8.253E+02	4.491E+02	2.349E+04	2.675E+04	1.339E+04	3.618E+03	8.253E+02	4.491E+02	2.349E+04	2.471E+04	5.630E+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)
X	6	1	5	1	5	7	6	1	5	1	6	1
X MAXIMUM	1.066E+03	8.010E+01	1.121E+02	1.015E+04	9.907E+03	5.960E+03	1.066E+03	8.010E+01	1.121E+02	1.015E+04	6.590E+03	9.141E+03
Y	1	7	1	1	14	7	1	7	1	1	1	7
Y MAXIMUM	1.761E+03	2.601E+02	1.001E+02	1.748E+04	7.604E+03	5.251E+04	1.761E+03	2.601E+02	1.001E+02	1.748E+04	1.058E+04	3.436E+04
Z	1	1	5	1	5	8	1	1	5	1	9	1
Z MAXIMUM	1.002E+03	7.850E+01	1.504E+02	9.950E+03	1.329E+04	6.097E+03	1.002E+03	7.850E+01	1.504E+02	9.950E+03	6.367E+03	8.958E+03
GRAND TOTAL	3.601E+03	3.525E+02	2.970E+02	2.349E+04	2.471E+04	5.630E+04	3.601E+03	3.525E+02	2.970E+02	2.349E+04	2.476E+04	4.187E+04

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)
X	6	7	5	1	6	1	6	7	5	1	5	1
X MAXIMUM	1.055E+03	1.104E+02	1.516E+02	1.145E+04	6.572E+03	8.266E+03	1.055E+03	1.104E+02	1.516E+02	1.145E+04	4.539E+03	1.123E+04
Y	1	7	1	1	1	7	1	7	1	1	1	1
Y MAXIMUM	1.753E+03	9.727E+02	1.710E+02	1.972E+04	1.025E+04	2.768E+04	1.753E+03	9.727E+02	1.710E+02	1.972E+04	4.171E+03	1.933E+04
Z	1	8	5	1	1	1	1	8	5	1	5	1
Z MAXIMUM	9.976E+02	1.184E+02	2.034E+02	1.122E+04	5.832E+03	8.100E+03	9.976E+02	1.184E+02	2.034E+02	1.122E+04	6.088E+03	1.100E+04
GRAND TOTAL	3.568E+03	1.068E+03	5.296E+02	2.639E+04	2.296E+04	3.491E+04	3.568E+03	1.068E+03	5.296E+02	2.639E+04	1.121E+04	2.763E+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)
X	6	7	6	1	5	1	6	7	6	1	5	1
X MAXIMUM	1.048E+03	1.213E+02	1.644E+02	1.145E+04	4.539E+03	1.123E+04	1.048E+03	1.213E+02	1.644E+02	1.145E+04	4.448E+03	1.273E+04
Y	1	7	1	1	1	1	1	7	1	1	14	7
Y MAXIMUM	1.751E+03	1.069E+03	2.357E+02	1.971E+04	4.171E+03	1.934E+04	1.751E+03	1.069E+03	2.357E+02	1.971E+04	2.388E+03	2.612E+04
Z	1	8	9	1	5	1	1	8	9	1	5	1
Z MAXIMUM	9.965E+02	1.285E+02	1.452E+02	1.122E+04	6.088E+03	1.101E+04	9.965E+02	1.285E+02	1.452E+02	1.122E+04	5.966E+03	1.248E+04
GRAND TOTAL	3.555E+03	1.170E+03	5.821E+02	2.639E+04	1.121E+04	2.763E+04	3.555E+03	1.170E+03	5.821E+02	2.639E+04	9.809E+03	4.163E+04



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)
X	6	1	6	1	5	1	6	1	6	1	6	1
X MAXIMUM	1.040E+03	3.823E+02	1.557E+02	1.145E+04	4.448E+03	1.273E+04	1.040E+03	3.823E+02	1.557E+02	1.145E+04	6.658E+03	4.642E+03
Y	1	1	1	1	14	7	1	1	1	1	1	7
Y MAXIMUM	1.748E+03	6.583E+02	2.332E+02	1.972E+04	2.388E+03	2.612E+04	1.748E+03	6.583E+02	2.332E+02	1.972E+04	1.067E+04	3.859E+04
Z	1	1	1	1	5	1	1	1	1	1	9	1
Z MAXIMUM	9.951E+02	3.747E+02	1.327E+02	1.122E+04	5.966E+03	1.248E+04	9.951E+02	3.747E+02	1.327E+02	1.122E+04	7.962E+03	4.549E+03
GRAND TOTAL	3.539E+03	9.333E+02	5.331E+02	2.639E+04	9.809E+03	4.163E+04	3.539E+03	9.333E+02	5.331E+02	2.639E+04	2.900E+04	4.198E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	1	1	1	6	1	6	1	1	1	1	1
X MAXIMUM	1.026E+03	3.781E+02	1.283E+02	1.145E+04	6.658E+03	4.642E+03	1.026E+03	3.781E+02	1.283E+02	1.145E+04	1.203E+04	2.182E+04
Y	1	1	1	1	1	7	1	1	1	1	1	1
Y MAXIMUM	1.745E+03	6.511E+02	2.209E+02	1.972E+04	1.067E+04	3.859E+04	1.745E+03	6.511E+02	2.209E+02	1.972E+04	2.071E+04	3.757E+04
Z	1	1	1	1	9	1	1	1	1	1	1	1
Z MAXIMUM	9.930E+02	3.706E+02	1.257E+02	1.122E+04	7.962E+03	4.549E+03	9.930E+02	3.706E+02	1.257E+02	1.122E+04	1.178E+04	2.139E+04
GRAND TOTAL	3.512E+03	8.673E+02	4.049E+02	2.639E+04	2.900E+04	4.198E+04	3.512E+03	8.673E+02	4.049E+02	2.639E+04	4.358E+04	6.284E+04

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)
X	6	1	13	1	1	1	6	1	13	1	1	1
X MAXIMUM	1.011E+03	3.723E+02	1.300E+02	1.145E+04	1.203E+04	2.182E+04	1.011E+03	3.723E+02	1.300E+02	1.145E+04	1.746E+04	3.874E+04
Y	1	1	1	1	1	1	1	1	1	1	1	1
Y MAXIMUM	1.740E+03	6.411E+02	2.061E+02	1.972E+04	2.071E+04	3.758E+04	1.740E+03	6.411E+02	2.061E+02	1.972E+04	3.007E+04	6.671E+04
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	9.906E+02	3.649E+02	1.173E+02	1.122E+04	1.178E+04	2.139E+04	9.906E+02	3.649E+02	1.173E+02	1.122E+04	1.711E+04	3.797E+04
GRAND TOTAL	3.482E+03	9.602E+02	4.683E+02	2.639E+04	4.358E+04	6.284E+04	3.482E+03	9.602E+02	4.683E+02	2.639E+04	5.509E+04	8.926E+04

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	13	1	1	1	1	1	6	1	1	1	1
X MAXIMUM	1.008E+03	1.794E+02	3.772E+02	1.145E+04	3.874E+04	1.746E+04	9.943E+02	3.055E+02	3.772E+02	2.586E+04	4.019E+04	1.603E+04
Y	1	14	7	1	1	1	1	1	7	1	1	1
Y MAXIMUM	1.736E+03	2.334E+02	7.354E+02	1.972E+04	6.671E+04	3.007E+04	1.695E+03	4.257E+02	7.354E+02	4.452E+04	6.920E+04	2.760E+04
Z	1	13	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	9.880E+02	1.370E+02	3.696E+02	1.122E+04	3.797E+04	1.711E+04	9.646E+02	2.423E+02	3.696E+02	2.534E+04	3.939E+04	1.571E+04
GRAND TOTAL	3.449E+03	5.533E+02	1.165E+03	2.640E+04	8.926E+04	5.509E+04	3.361E+03	9.516E+02	1.165E+03	5.879E+04	9.067E+04	4.894E+04

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	6	1	1	1	1
X MAXIMUM	8.335E+02	6.207E+02	3.772E+02	3.985E+04	3.646E+04	6.984E+03
Y	1	1	7	1	1	1
Y MAXIMUM	1.435E+03	9.969E+02	7.354E+02	6.861E+04	6.278E+04	1.202E+04
Z	1	1	1	1	1	1
Z MAXIMUM	8.169E+02	5.674E+02	3.696E+02	3.905E+04	3.573E+04	6.844E+03
GRAND TOTAL	2.847E+03	2.024E+03	1.165E+03	9.002E+04	8.449E+04	2.018E+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)
X	1	1	1	1	1	1	1	1	1	1	1	1
X MAXIMUM	8.379E+02	3.213E+02	1.325E+03	3.984E+04	8.502E+04	1.981E+04	8.379E+02	3.213E+02	1.325E+03	3.984E+04	6.912E+04	2.367E+04
Y	1	1	1	1	1	1	1	1	1	1	1	1
Y MAXIMUM	1.443E+03	6.003E+02	2.282E+03	6.860E+04	1.464E+05	3.411E+04	1.443E+03	6.003E+02	2.282E+03	6.860E+04	1.190E+05	4.075E+04
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	8.211E+02	3.149E+02	1.299E+03	3.905E+04	8.332E+04	1.941E+04	8.211E+02	3.149E+02	1.299E+03	3.905E+04	6.773E+04	2.319E+04
GRAND TOTAL	2.928E+03	1.104E+03	3.530E+03	9.002E+04	2.257E+05	5.480E+04	2.928E+03	1.104E+03	3.530E+03	9.002E+04	1.837E+05	6.528E+04

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)
X	1	1	1	1	1	1	1	1	1	1	2	1
X MAXIMUM	8.388E+02	7.237E+02	1.312E+03	3.983E+04	6.912E+04	2.369E+04	8.388E+02	7.237E+02	1.312E+03	3.983E+04	1.461E+04	6.995E+03
Y	1	1	1	1	1	1	1	1	1	1	1	7
Y MAXIMUM	1.444E+03	1.246E+03	2.259E+03	6.858E+04	1.190E+05	4.078E+04	1.444E+03	1.246E+03	2.259E+03	6.858E+04	2.325E+04	1.262E+04
Z	1	1	1	1	1	1	1	1	1	1	1	4
Z MAXIMUM	8.220E+02	7.093E+02	1.286E+03	3.904E+04	6.773E+04	2.321E+04	8.220E+02	7.093E+02	1.286E+03	3.904E+04	1.324E+04	8.487E+03
GRAND TOTAL	2.934E+03	1.953E+03	3.467E+03	8.999E+04	1.837E+05	6.531E+04	2.934E+03	1.953E+03	3.467E+03	8.999E+04	4.259E+04	2.976E+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)
X	1	1	1	1	2	1	1	1	1	1	1	1
X MAXIMUM	8.390E+02	7.169E+02	1.203E+03	3.983E+04	1.461E+04	6.994E+03	8.390E+02	7.169E+02	1.203E+03	3.983E+04	3.749E+04	3.739E+04
Y	1	1	1	1	1	7	1	1	1	1	1	1
Y MAXIMUM	1.445E+03	1.234E+03	2.071E+03	6.858E+04	2.325E+04	1.262E+04	1.445E+03	1.234E+03	2.071E+03	6.858E+04	6.455E+04	6.437E+04
Z	1	1	1	1	1	4	1	1	1	1	1	1
Z MAXIMUM	8.222E+02	7.026E+02	1.179E+03	3.904E+04	1.324E+04	8.487E+03	8.222E+02	7.026E+02	1.179E+03	3.904E+04	3.674E+04	3.664E+04
GRAND TOTAL	2.938E+03	1.893E+03	2.996E+03	8.999E+04	4.259E+04	2.976E+04	2.938E+03	1.893E+03	2.996E+03	8.999E+04	9.242E+04	1.024E+05

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)
X	1	4	1	1	1	2	1	4	1	1	2	4
X MAXIMUM	7.124E+02	4.376E+02	1.355E+03	5.608E+04	3.685E+04	1.215E+04	7.124E+02	4.376E+02	1.355E+03	5.608E+04	2.184E+04	5.265E+03
Y	1	2	1	1	1	2	1	2	1	1	2	4
Y MAXIMUM	1.227E+03	6.337E+02	2.333E+03	9.656E+04	6.345E+04	1.824E+04	1.227E+03	6.337E+02	2.333E+03	9.656E+04	3.277E+04	7.579E+03
Z	1	4	1	1	1	4	1	4	1	1	2	4
Z MAXIMUM	6.982E+02	6.339E+02	1.328E+03	5.496E+04	3.611E+04	9.805E+03	6.982E+02	6.339E+02	1.328E+03	5.496E+04	7.643E+03	7.627E+03
GRAND TOTAL	1.832E+03	1.412E+03	3.673E+03	1.332E+05	8.515E+04	2.784E+04	1.832E+03	1.412E+03	3.673E+03	1.332E+05	4.260E+04	1.866E+04

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)
X	1	1	1	2	1	2	1	1	1	2	1	2
X MAXIMUM	8.773E+02	7.187E+02	4.000E+02	2.324E+04	6.958E+04	2.250E+04	8.773E+02	7.187E+02	4.000E+02	2.324E+04	7.605E+04	1.757E+04
Y	1	1	1	2	1	2	1	1	1	2	1	2
Y MAXIMUM	1.511E+03	1.237E+03	6.888E+02	3.488E+04	1.198E+05	3.377E+04	1.511E+03	1.237E+03	6.888E+02	3.488E+04	1.310E+05	2.638E+04
Z	1	1	1	1	1	4	1	1	1	1	1	4
Z MAXIMUM	8.598E+02	7.043E+02	3.920E+02	1.393E+04	6.819E+04	1.937E+04	8.598E+02	7.043E+02	3.920E+02	1.393E+04	7.453E+04	1.764E+04
GRAND TOTAL	2.721E+03	1.880E+03	1.170E+03	5.847E+04	1.622E+05	5.491E+04	2.721E+03	1.880E+03	1.170E+03	5.847E+04	1.765E+05	5.131E+04

ELEMENT TYPE (3/D 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)
X	1	2	3	2	1	2	1	2	3	2	1	6
X MAXIMUM	9.417E+02	3.424E+02	1.715E+02	2.319E+04	7.605E+04	1.763E+04	9.417E+02	3.424E+02	1.715E+02	2.319E+04	7.261E+04	1.391E+04
Y	1	2	3	2	1	2	1	2	3	2	1	4
Y MAXIMUM	1.621E+03	5.139E+02	3.373E+02	3.481E+04	1.310E+05	2.646E+04	1.621E+03	5.139E+02	3.373E+02	3.481E+04	1.250E+05	1.737E+04
Z	1	3	3	1	1	4	1	3	3	1	1	4
Z MAXIMUM	9.228E+02	2.863E+02	3.441E+02	1.395E+04	7.453E+04	1.764E+04	9.228E+02	2.863E+02	3.441E+02	1.395E+04	7.116E+04	1.748E+04
GRAND TOTAL	2.701E+03	9.224E+02	7.014E+02	5.845E+04	1.765E+05	5.134E+04	2.701E+03	9.224E+02	7.014E+02	5.845E+04	1.692E+05	4.736E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 32)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	1	2	1	8	1	2	1	2	1	6
X MAXIMUM	1.036E+03	3.277E+02	6.424E+02	2.319E+04	7.261E+04	1.391E+04	1.036E+03	3.277E+02	6.424E+02	2.319E+04	4.262E+04	1.447E+04
Y	1	2	1	2	1	4	1	2	1	2	1	8
Y MAXIMUM	1.783E+03	4.918E+02	1.106E+03	3.481E+04	1.250E+05	1.737E+04	1.783E+03	4.918E+02	1.106E+03	3.481E+04	7.339E+04	2.216E+04
Z	1	3	1	1	1	4	1	3	1	1	1	3
Z MAXIMUM	1.015E+03	2.394E+02	6.295E+02	1.395E+04	7.116E+04	1.748E+04	1.015E+03	2.394E+02	6.295E+02	1.395E+04	4.177E+04	1.725E+04
GRAND TOTAL	2.786E+03	7.443E+02	1.653E+03	5.845E+04	1.692E+05	4.736E+04	2.786E+03	7.443E+02	1.653E+03	5.845E+04	1.077E+05	6.057E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	1	2	1	6	1	2	1	2	6	2
X MAXIMUM	1.129E+03	2.961E+02	1.037E+03	2.319E+04	4.262E+04	1.447E+04	1.129E+03	2.961E+02	1.037E+03	2.319E+04	1.831E+04	2.747E+04
Y	1	2	1	2	1	8	1	2	1	2	3	2
Y MAXIMUM	1.944E+03	4.444E+02	1.785E+03	3.481E+04	7.339E+04	2.216E+04	1.944E+03	4.444E+02	1.785E+03	3.481E+04	2.979E+04	4.123E+04
Z	1	3	1	1	1	3	1	3	1	1	3	3
Z MAXIMUM	1.107E+03	1.602E+02	1.016E+03	1.395E+04	4.177E+04	1.725E+04	1.107E+03	1.602E+02	1.016E+03	1.395E+04	3.039E+04	2.473E+04
GRAND TOTAL	3.000E+03	7.038E+02	2.535E+03	5.845E+04	1.077E+05	6.058E+04	3.000E+03	7.038E+02	2.535E+03	5.845E+04	7.126E+04	7.134E+04

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)
X	1	2	1	2	6	2	1	2	1	2	1	2
X MAXIMUM	1.222E+03	2.638E+02	1.232E+03	2.319E+04	1.831E+04	2.747E+04	1.222E+03	2.638E+02	1.232E+03	2.319E+04	6.326E+04	3.979E+04
Y	1	2	1	2	3	2	1	2	1	2	1	2
Y MAXIMUM	2.105E+03	3.960E+02	2.121E+03	3.481E+04	2.979E+04	4.123E+04	2.105E+03	3.960E+02	2.121E+03	3.481E+04	1.089E+05	5.971E+04
Z	1	4	1	1	3	3	1	4	1	1	1	3
Z MAXIMUM	1.198E+03	1.955E+02	1.207E+03	1.395E+04	3.039E+04	2.473E+04	1.198E+03	1.955E+02	1.207E+03	1.395E+04	6.199E+04	2.894E+04
GRAND TOTAL	3.318E+03	8.261E+02	2.987E+03	5.845E+04	7.126E+04	7.134E+04	3.318E+03	8.261E+02	2.987E+03	5.845E+04	1.782E+05	8.697E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 35)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	4	2	1	2	1	2	4	2	1	2
X MAXIMUM	1.316E+03	1.068E+03	8.650E+02	2.151E+04	6.326E+04	4.072E+04	1.316E+03	1.068E+03	8.650E+02	2.151E+04	7.261E+04	2.812E+04
Y	1	2	1	2	1	2	1	2	1	2	1	2
Y MAXIMUM	2.266E+03	1.603E+03	1.365E+03	3.228E+04	1.089E+05	6.112E+04	2.266E+03	1.603E+03	1.365E+03	3.228E+04	1.250E+05	4.221E+04
Z	1	3	4	1	1	3	1	3	4	1	1	3
Z MAXIMUM	1.289E+03	5.810E+02	1.253E+03	1.379E+04	6.199E+04	2.924E+04	1.289E+03	5.810E+02	1.253E+03	1.379E+04	7.116E+04	2.239E+04
GRAND TOTAL	3.641E+03	2.400E+03	2.905E+03	5.561E+04	1.782E+05	8.882E+04	3.641E+03	2.400E+03	2.905E+03	5.561E+04	1.855E+05	6.576E+04



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)
X	1	2	6	2	1	1	1	2	6	2	1	1
X MAXIMUM	1.584E+03	9.782E+02	5.379E+02	1.456E+04	8.657E+04	2.565E+04	1.584E+03	9.782E+02	5.379E+02	1.456E+04	8.602E+04	3.752E+04
Y	1	2	3	2	1	1	1	2	3	2	1	1
Y MAXIMUM	2.728E+03	1.468E+03	7.354E+02	2.185E+04	1.491E+05	4.416E+04	2.728E+03	1.468E+03	7.354E+02	2.185E+04	1.481E+05	6.461E+04
Z	1	3	3	1	1	1	1	3	3	1	1	1
Z MAXIMUM	1.552E+03	5.041E+02	7.502E+02	5.635E+03	8.484E+04	2.513E+04	1.552E+03	5.041E+02	7.502E+02	5.635E+03	8.430E+04	3.677E+04
GRAND TOTAL	4.572E+03	2.165E+03	1.698E+03	3.468E+04	2.027E+05	6.112E+04	4.572E+03	2.165E+03	1.698E+03	3.468E+04	2.023E+05	1.017E+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)
X	1	2	6	2	1	1	1	2	6	2	1	2
X MAXIMUM	1.611E+03	7.825E+02	4.055E+02	1.456E+04	8.602E+04	3.752E+04	1.611E+03	7.825E+02	4.055E+02	1.456E+04	8.074E+04	5.160E+04
Y	1	2	3	2	1	1	1	2	3	2	1	1
Y MAXIMUM	2.773E+03	1.174E+03	6.032E+02	2.185E+04	1.481E+05	6.461E+04	2.773E+03	1.174E+03	6.032E+02	2.185E+04	1.390E+05	8.126E+04
Z	4	3	3	1	1	1	4	3	3	1	1	1
Z MAXIMUM	1.644E+03	3.983E+02	6.153E+02	5.635E+03	8.430E+04	3.677E+04	1.644E+03	3.983E+02	6.153E+02	5.635E+03	7.913E+04	4.625E+04
GRAND TOTAL	4.795E+03	1.715E+03	1.370E+03	3.468E+04	2.023E+05	1.017E+05	4.795E+03	1.715E+03	1.370E+03	3.468E+04	2.002E+05	1.490E+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)
X	1	2	1	2	1	2	1	2	1	2	1	2
X MAXIMUM	1.637E+03	4.846E+02	3.329E+02	1.456E+04	8.074E+04	5.160E+04	1.637E+03	4.846E+02	3.329E+02	1.456E+04	7.015E+04	6.702E+04
Y	1	2	1	2	1	1	1	2	1	2	1	2
Y MAXIMUM	2.818E+03	7.273E+02	5.732E+02	2.185E+04	1.390E+05	8.126E+04	2.818E+03	7.273E+02	5.732E+02	2.185E+04	1.208E+05	1.006E+05
Z	4	3	3	1	1	1	4	3	3	1	1	1
Z MAXIMUM	1.795E+03	2.606E+02	3.904E+02	5.635E+03	7.913E+04	4.625E+04	1.795E+03	2.606E+02	3.904E+02	5.635E+03	6.875E+04	5.236E+04
GRAND TOTAL	5.033E+03	1.085E+03	1.130E+03	3.468E+04	2.002E+05	1.490E+05	5.033E+03	1.085E+03	1.130E+03	3.468E+04	1.871E+05	1.799E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 39)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	1	2	1	2	1	2	1	2	1	2
X MAXIMUM	1.663E+03	1.039E+02	5.037E+02	1.457E+04	7.015E+04	6.702E+04	1.663E+03	1.039E+02	5.037E+02	1.457E+04	5.411E+04	7.033E+04
Y	1	8	1	2	1	2	1	8	1	2	1	2
Y MAXIMUM	2.863E+03	2.260E+02	8.672E+02	2.186E+04	1.208E+05	1.006E+05	2.863E+03	2.260E+02	8.672E+02	2.186E+04	9.317E+04	1.056E+05
Z	4	8	1	1	1	1	4	8	1	1	1	1
Z MAXIMUM	1.945E+03	1.562E+02	4.936E+02	5.628E+03	6.875E+04	5.236E+04	1.945E+03	1.562E+02	4.936E+02	5.628E+03	5.303E+04	5.417E+04
GRAND TOTAL	5.282E+03	4.788E+02	1.260E+03	3.469E+04	1.871E+05	1.799E+05	5.282E+03	4.788E+02	1.260E+03	3.469E+04	1.573E+05	1.873E+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)
X	1	2	1	2	1	2	1	2	1	2	1	2
X MAXIMUM	1.689E+03	3.342E+02	6.634E+02	1.455E+04	5.411E+04	7.033E+04	1.689E+03	3.342E+02	6.634E+02	1.455E+04	3.303E+04	5.971E+04
Y	1	2	1	2	1	2	1	2	1	2	1	1
Y MAXIMUM	2.908E+03	5.016E+02	1.142E+03	2.183E+04	9.317E+04	1.056E+05	2.908E+03	5.016E+02	1.142E+03	2.183E+04	5.687E+04	8.974E+04
Z	4	8	1	1	1	1	4	8	1	1	3	1
Z MAXIMUM	2.094E+03	2.067E+02	8.501E+02	5.643E+03	5.303E+04	5.417E+04	2.094E+03	2.067E+02	8.501E+02	5.643E+03	4.639E+04	5.108E+04
GRAND TOTAL	5.542E+03	8.391E+02	1.708E+03	3.467E+04	1.573E+05	1.873E+05	5.542E+03	8.391E+02	1.708E+03	3.467E+04	1.100E+05	1.693E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 41)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	1	2	1	2	1	2	1	2	3	1
X MAXIMUM	1.718E+03	8.620E+02	8.210E+02	1.455E+04	3.303E+04	5.971E+04	1.718E+03	8.620E+02	8.210E+02	1.455E+04	1.251E+04	4.069E+04
Y	1	2	1	2	1	1	1	2	1	2	3	1
Y MAXIMUM	2.958E+03	1.294E+03	1.414E+03	2.184E+04	5.687E+04	8.974E+04	2.958E+03	1.294E+03	1.414E+03	2.184E+04	2.460E+04	7.006E+04
Z	4	2	1	1	3	1	4	2	1	1	3	1
Z MAXIMUM	2.260E+03	3.017E+02	8.046E+02	5.636E+03	4.639E+04	5.108E+04	2.260E+03	3.017E+02	8.046E+02	5.636E+03	2.510E+04	3.987E+04
GRAND TOTAL	5.844E+03	1.814E+03	2.293E+03	3.468E+04	1.100E+05	1.693E+05	5.844E+03	1.814E+03	2.293E+03	3.468E+04	4.332E+04	1.181E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 42)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	1	1	6	1	1	2	1	1	6	1	1
X MAXIMUM	1.435E+03	1.585E+03	9.452E+02	9.254E+03	1.555E+04	2.612E+04	1.435E+03	1.585E+03	9.452E+02	9.254E+03	2.908E+04	3.414E+03
Y	2	1	1	3	1	1	2	1	1	3	1	1
Y MAXIMUM	2.154E+03	2.730E+03	1.628E+03	1.379E+04	2.677E+04	4.497E+04	2.154E+03	2.730E+03	1.628E+03	1.379E+04	5.008E+04	5.877E+03
Z	1	1	1	3	1	1	4	1	1	3	1	3
Z MAXIMUM	2.014E+03	1.554E+03	9.263E+02	1.406E+04	1.524E+04	2.559E+04	2.014E+03	1.554E+03	9.263E+02	1.406E+04	2.850E+04	4.377E+03
GRAND TOTAL	4.907E+03	4.822E+03	2.756E+03	2.837E+04	5.246E+04	7.400E+04	4.907E+03	4.822E+03	2.756E+03	2.837E+04	7.893E+04	1.374E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 43)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	3	1	3	1	1	2	3	1	3	2
X MAXIMUM	9.409E+02	2.085E+03	2.468E+02	2.737E+04	1.755E+04	4.278E+04	9.409E+02	2.085E+03	2.468E+02	2.737E+04	1.126E+04	7.610E+04
Y	1	2	3	1	3	1	1	2	3	1	3	2
Y MAXIMUM	1.620E+03	3.129E+03	4.854E+02	4.712E+04	3.452E+04	7.366E+04	1.620E+03	3.129E+03	4.854E+02	4.712E+04	2.214E+04	1.142E+05
Z	1	4	3	3	3	1	1	4	3	3	3	1
Z MAXIMUM	9.221E+02	7.677E+02	4.952E+02	2.905E+04	3.521E+04	4.192E+04	9.221E+02	7.677E+02	4.952E+02	2.905E+04	2.259E+04	5.860E+04
GRAND TOTAL	2.804E+03	4.286E+03	8.551E+02	8.890E+04	6.090E+04	1.097E+05	2.804E+03	4.286E+03	8.551E+02	8.890E+04	3.910E+04	1.954E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 44)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	3	1	3	2	1	2	3	1	3	2
X MAXIMUM	9.411E+02	2.262E+03	2.510E+02	2.736E+04	1.126E+04	7.610E+04	9.411E+02	2.262E+03	2.510E+02	2.736E+04	4.856E+03	1.338E+05
Y	1	2	3	1	3	2	1	2	3	1	3	2
Y MAXIMUM	1.620E+03	3.395E+03	4.937E+02	4.711E+04	2.214E+04	1.142E+05	1.620E+03	3.395E+03	4.937E+02	4.711E+04	9.552E+03	2.008E+05
Z	1	4	3	3	3	1	1	4	3	3	3	1
Z MAXIMUM	9.223E+02	8.987E+02	5.037E+02	2.905E+04	2.259E+04	5.860E+04	9.223E+02	8.987E+02	5.037E+02	2.905E+04	9.744E+03	7.638E+04
GRAND TOTAL	2.806E+03	4.673E+03	8.711E+02	8.889E+04	3.910E+04	1.954E+05	2.806E+03	4.673E+03	8.711E+02	8.889E+04	1.688E+04	3.061E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 45)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	3	1	3	2	1	2	3	1	3	2
X MAXIMUM	9.413E+02	2.349E+03	2.549E+02	2.737E+04	4.856E+03	1.338E+05	9.413E+02	2.349E+03	2.549E+02	2.737E+04	1.644E+03	1.937E+05
Y	1	2	3	1	3	2	1	2	3	1	3	2
Y MAXIMUM	1.621E+03	3.526E+03	5.015E+02	4.712E+04	9.552E+03	2.008E+05	1.621E+03	3.526E+03	5.015E+02	4.712E+04	3.235E+03	2.907E+05
Z	1	4	3	3	3	1	1	4	3	3	3	1
Z MAXIMUM	9.224E+02	9.662E+02	5.115E+02	2.905E+04	9.744E+03	7.638E+04	9.224E+02	9.662E+02	5.115E+02	2.905E+04	3.300E+03	9.469E+04
GRAND TOTAL	2.807E+03	4.867E+03	8.860E+02	8.890E+04	1.688E+04	3.061E+05	2.807E+03	4.867E+03	8.860E+02	8.890E+04	5.708E+03	4.261E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 46)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	3	1	3	2	1	2	3	1	3	2
X MAXIMUM	9.413E+02	2.374E+03	2.565E+02	2.737E+04	1.644E+03	1.937E+05	9.413E+02	2.374E+03	2.565E+02	2.737E+04	8.186E+03	2.542E+05
Y	1	2	3	1	3	2	1	2	3	1	3	2
Y MAXIMUM	1.621E+03	3.563E+03	5.047E+02	4.712E+04	3.235E+03	2.907E+05	1.621E+03	3.563E+03	5.047E+02	4.712E+04	1.610E+04	3.815E+05
Z	1	4	3	3	3	1	1	4	3	3	3	1
Z MAXIMUM	9.225E+02	9.861E+02	5.148E+02	2.905E+04	3.300E+03	9.469E+04	9.225E+02	9.861E+02	5.148E+02	2.905E+04	1.643E+04	1.131E+05
GRAND TOTAL	2.807E+03	4.923E+03	8.921E+02	8.890E+04	5.708E+03	4.261E+05	2.807E+03	4.923E+03	8.921E+02	8.890E+04	2.846E+04	5.493E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 47)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	11	5	1	1	1	11	11	11	1	1	1	11
X MAXIMUM	3.296E+03	1.747E+02	2.522E+01	6.582E+03	2.320E+03	3.021E+04	3.279E+03	3.669E+02	2.522E+01	6.882E+03	1.498E+03	2.919E+04
Y	14	5	1	1	1	5	14	5	1	1	7	5
Y MAXIMUM	1.483E+02	6.048E+01	4.342E+01	1.133E+04	3.994E+03	6.038E+03	1.500E+02	6.674E+01	4.342E+01	1.185E+04	4.682E+03	6.688E+03
Z	11	5	1	1	1	5	11	5	1	1	1	5
Z MAXIMUM	1.670E+03	2.344E+02	2.471E+01	8.450E+03	2.273E+03	2.359E+04	1.662E+03	2.586E+02	2.471E+01	6.745E+03	1.468E+03	2.592E+04
GRAND TOTAL	3.738E+03	3.565E+02	6.479E+01	1.722E+04	7.094E+03	4.621E+04	3.716E+03	5.373E+02	6.479E+01	1.747E+04	7.011E+03	4.754E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 47)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	11	1	1	14	11
X MAXIMUM	3.182E+03	8.753E+02	2.522E+01	7.051E+03	1.417E+03	2.332E+04
Y	14	5	1	1	7	5
Y MAXIMUM	1.480E+02	7.135E+01	4.342E+01	1.214E+04	5.884E+03	7.340E+03
Z	11	11	1	1	15	5
Z MAXIMUM	1.612E+03	4.436E+02	2.471E+01	6.910E+03	1.051E+03	2.845E+04
GRAND TOTAL	3.604E+03	1.054E+03	6.479E+01	1.741E+04	7.558E+03	4.599E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 48)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	11	11	14	1	1	5	11	11	14	1	1	5
X MAXIMUM	2.688E+03	1.157E+03	8.534E+01	7.079E+03	8.068E+03	1.550E+04	2.896E+03	4.196E+02	8.534E+01	8.929E+03	5.934E+03	1.878E+04
Y	14	5	7	1	1	5	6	5	7	1	1	5
Y MAXIMUM	1.827E+02	9.182E+01	5.674E+02	1.219E+04	1.389E+04	5.363E+03	1.840E+02	5.173E+01	5.674E+02	1.537E+04	1.022E+04	6.501E+03
Z	11	11	8	1	1	5	11	11	8	1	1	5
Z MAXIMUM	1.362E+03	5.865E+02	6.685E+01	6.938E+03	7.907E+03	2.078E+04	1.468E+03	2.126E+02	6.685E+01	8.751E+03	5.816E+03	2.519E+04
GRAND TOTAL	3.150E+03	1.386E+03	6.496E+02	1.748E+04	1.915E+04	2.813E+04	3.397E+03	5.485E+02	6.496E+02	2.119E+04	1.795E+04	3.675E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 48)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	11	14	1	14	5
X MAXIMUM	2.906E+03	3.470E+02	8.534E+01	1.016E+04	4.185E+03	2.015E+04
Y	6	14	7	1	7	5
Y MAXIMUM	1.859E+02	9.354E+01	5.674E+02	1.750E+04	1.761E+04	6.975E+03
Z	11	11	8	1	1	5
Z MAXIMUM	1.473E+03	1.758E+02	6.685E+01	8.958E+03	3.325E+03	2.703E+04
GRAND TOTAL	3.413E+03	4.442E+02	6.496E+02	2.351E+04	2.353E+04	3.899E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 49)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	6	5	10	1	1	6	6	5	10	1	1	6
X MAXIMUM	1.060E+03	1.350E+02	9.232E+01	1.015E+04	9.140E+03	6.590E+03	1.063E+03	1.386E+02	9.232E+01	1.082E+04	8.727E+03	6.757E+03
Y	1	14	7	1	7	1	1	14	7	1	7	1
Y MAXIMUM	1.760E+03	1.366E+02	7.344E+02	1.748E+04	3.436E+04	1.058E+04	1.762E+03	9.512E+01	7.344E+02	1.863E+04	3.110E+04	1.071E+04
Z	1	5	8	1	1	9	1	5	8	1	1	1
Z MAXIMUM	1.002E+03	1.810E+02	9.204E+01	9.951E+03	8.957E+03	6.367E+03	1.003E+03	1.859E+02	9.204E+01	1.060E+04	8.552E+03	6.093E+03
GRAND TOTAL	3.586E+03	3.916E+02	8.169E+02	2.350E+04	4.187E+04	2.476E+04	3.592E+03	3.393E+02	8.169E+02	2.487E+04	3.847E+04	2.431E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 49)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	5	10	1	1	6
X MAXIMUM	1.059E+03	1.415E+02	9.232E+01	1.145E+04	8.265E+03	6.572E+03
Y	1	1	7	1	7	1
Y MAXIMUM	1.754E+03	1.682E+02	7.344E+02	1.972E+04	2.768E+04	1.025E+04
Z	1	5	8	1	1	1
Z MAXIMUM	9.984E+02	1.897E+02	9.204E+01	1.122E+04	8.100E+03	5.832E+03
GRAND TOTAL	3.577E+03	4.671E+02	8.169E+02	2.640E+04	3.490E+04	2.296E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	1	1	1	1	1	1	2	1	1	2	1
X MAXIMUM	1.113E+03	7.082E+02	1.033E+03	3.981E+04	3.749E+04	3.741E+04	1.288E+03	4.703E+02	1.033E+03	6.010E+04	1.482E+04	4.055E+04
Y	1	1	1	1	1	1	1	2	1	1	2	1
Y MAXIMUM	1.916E+03	1.219E+03	1.778E+03	6.855E+04	6.455E+04	6.441E+04	2.217E+03	7.059E+02	1.778E+03	1.037E+05	2.224E+04	6.983E+04
Z	1	1	1	1	1	1	1	4	1	1	3	1
Z MAXIMUM	1.091E+03	6.940E+02	1.012E+03	3.901E+04	3.674E+04	3.666E+04	1.262E+03	4.107E+02	1.012E+03	5.890E+04	1.346E+04	3.974E+04
GRAND TOTAL	3.495E+03	1.824E+03	2.438E+03	8.995E+04	9.242E+04	1.024E+05	3.712E+03	1.329E+03	2.438E+03	1.355E+05	4.858E+04	1.068E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	1	1	1	1	1
X MAXIMUM	7.082E+02	1.113E+03	1.033E+03	5.608E+04	2.123E+04	3.012E+04
Y	1	1	1	1	1	1
Y MAXIMUM	1.219E+03	1.916E+03	1.778E+03	9.656E+04	3.655E+04	5.186E+04
Z	1	1	1	1	1	1
Z MAXIMUM	6.940E+02	1.091E+03	1.012E+03	5.496E+04	2.080E+04	2.952E+04
GRAND TOTAL	1.824E+03	3.495E+03	2.438E+03	1.332E+05	5.087E+04	7.374E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 51)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	2	1	1	2	2	1	2	1	1	1	2
X MAXIMUM	7.166E+02	8.734E+02	7.500E+02	5.608E+04	1.808E+04	1.225E+04	1.095E+03	4.027E+02	7.500E+02	3.519E+04	4.970E+04	2.177E+04
Y	1	1	1	1	2	2	1	2	1	1	1	2
Y MAXIMUM	1.234E+03	1.432E+03	1.291E+03	9.656E+04	2.714E+04	1.839E+04	1.885E+03	6.044E+02	1.291E+03	6.060E+04	8.558E+04	3.267E+04
Z	1	1	1	1	2	4	1	4	1	1	1	4
Z MAXIMUM	7.023E+02	8.150E+02	7.350E+02	5.496E+04	6.329E+03	8.762E+03	1.073E+03	4.168E+02	7.350E+02	3.449E+04	4.871E+04	1.718E+04
GRAND TOTAL	1.857E+03	2.774E+03	1.935E+03	1.332E+05	3.498E+04	3.064E+04	3.160E+03	1.076E+03	1.935E+03	8.378E+04	1.245E+05	5.456E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 51)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	1	1	2	1	2
X MAXIMUM	8.734E+02	7.166E+02	7.500E+02	2.324E+04	8.958E+04	2.250E+04
Y	1	1	1	2	1	2
Y MAXIMUM	1.432E+03	1.234E+03	1.291E+03	3.488E+04	1.198E+05	3.377E+04
Z	1	1	1	1	1	4
Z MAXIMUM	8.150E+02	7.023E+02	7.350E+02	1.393E+04	6.819E+04	1.937E+04
GRAND TOTAL	2.774E+03	1.857E+03	1.935E+03	5.847E+04	1.622E+05	5.491E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 52)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	4	2	2	2	1	1	4	2	2	1	1
X MAXIMUM	1.326E+03	8.756E+02	1.059E+03	2.260E+04	2.725E+04	7.261E+04	1.488E+03	7.057E+02	1.059E+03	1.715E+04	1.760E+04	8.234E+04
Y	1	1	2	2	2	1	1	4	2	2	1	1
Y MAXIMUM	2.283E+03	1.419E+03	1.590E+03	3.392E+04	4.091E+04	1.250E+05	2.562E+03	1.016E+03	1.590E+03	2.574E+04	3.030E+04	1.418E+05
Z	1	4	3	1	3	1	1	4	3	1	1	1
Z MAXIMUM	1.299E+03	1.268E+03	5.687E+02	1.412E+04	2.211E+04	7.116E+04	1.458E+03	1.022E+03	5.687E+02	1.093E+04	1.725E+04	8.069E+04
GRAND TOTAL	3.751E+03	2.949E+03	2.374E+03	5.776E+04	6.387E+04	1.855E+05	4.160E+03	2.337E+03	2.374E+03	4.510E+04	5.528E+04	1.978E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 52)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	6	2	2	1	1
X MAXIMUM	1.558E+03	5.956E+02	1.059E+03	1.456E+04	2.565E+04	8.657E+04
Y	1	3	2	2	1	1
Y MAXIMUM	2.683E+03	7.652E+02	1.590E+03	2.185E+04	4.416E+04	1.491E+05
Z	1	3	3	1	1	1
Z MAXIMUM	1.527E+03	7.805E+02	5.687E+02	5.635E+03	2.513E+04	8.484E+04
GRAND TOTAL	4.371E+03	1.913E+03	2.374E+03	3.468E+04	6.112E+04	2.027E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	2	1	2	3	1	4	1	1	6	2	1
X MAXIMUM	1.739E+03	1.269E+03	9.105E+02	1.456E+04	1.251E+04	4.089E+04	1.608E+03	1.058E+03	9.105E+02	1.136E+04	1.339E+04	3.538E+04
Y	1	2	1	2	3	1	1	1	1	2	2	1
Y MAXIMUM	2.995E+03	1.904E+03	1.568E+03	2.185E+04	2.460E+04	7.006E+04	2.487E+03	1.821E+03	1.568E+03	1.504E+04	2.010E+04	6.092E+04
Z	4	2	1	1	3	1	4	1	1	3	3	1
Z MAXIMUM	2.385E+03	4.441E+02	8.923E+02	5.635E+03	2.510E+04	3.987E+04	2.330E+03	1.037E+03	8.923E+02	8.750E+03	1.820E+04	3.467E+04
GRAND TOTAL	6.076E+03	2.596E+03	2.625E+03	3.468E+04	4.332E+04	1.181E+05	5.716E+03	3.315E+03	2.625E+03	2.901E+04	4.581E+04	1.016E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	1	1	6	1	1
X MAXIMUM	1.325E+03	1.530E+03	9.105E+02	9.254E+03	1.555E+04	2.612E+04
Y	2	1	1	3	1	1
Y MAXIMUM	1.938E+03	2.634E+03	1.568E+03	1.379E+04	2.677E+04	4.497E+04
Z	4	1	1	3	1	1
Z MAXIMUM	1.920E+03	1.499E+03	8.923E+02	1.406E+04	1.524E+04	2.559E+04
GRAND TOTAL	4.698E+03	4.646E+03	2.625E+03	2.837E+04	5.246E+04	7.400E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 54)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	2	1	1	6	1	1	4	2	1	3	1	1
X MAXIMUM	1.650E+03	9.507E+02	1.670E+03	9.254E+03	3.056E+03	2.912E+04	1.367E+03	1.324E+03	1.670E+03	1.007E+04	1.865E+04	3.688E+04
Y	2	1	1	3	1	1	1	2	1	3	1	1
Y MAXIMUM	2.477E+03	1.637E+03	2.876E+03	1.379E+04	5.262E+03	5.014E+04	2.161E+03	1.987E+03	2.876E+03	1.982E+04	3.212E+04	6.349E+04
Z	4	1	1	3	3	1	4	3	1	3	1	1
Z MAXIMUM	2.154E+03	9.317E+02	1.637E+03	1.406E+04	4.342E+03	2.854E+04	1.980E+03	1.447E+03	1.637E+03	2.022E+04	1.828E+04	3.614E+04
GRAND TOTAL	5.244E+03	2.819E+03	5.051E+03	2.837E+04	1.346E+04	7.898E+04	4.668E+03	3.694E+03	5.051E+03	4.285E+04	5.051E+04	9.419E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 54)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	1	1	1	1
X MAXIMUM	9.507E+02	1.650E+03	1.670E+03	2.701E+04	2.943E+04	3.140E+04
Y	1	2	1	1	1	1
Y MAXIMUM	1.637E+03	2.477E+03	2.876E+03	4.650E+04	5.068E+04	5.406E+04
Z	1	4	1	3	1	3
Z MAXIMUM	9.316E+02	2.154E+03	1.637E+03	2.892E+04	2.885E+04	3.964E+04
GRAND TOTAL	2.819E+03	5.244E+03	5.051E+03	8.804E+04	7.637E+04	1.003E+05

# SUMMARY OF SUPPORT FORCES/MOMENTS IN GLOBAL/LOCAL SYSTEMS

BDRY- BOUNDARY ELEMENTS (SPRING)  
 THAM- THERMAL ANCHOR MOTION  
 SEAM- SEISMIC ANCHOR MOTION  
 SNBR- SNUBBER ELEMENT

LOAD CASE		1	IND. SUP. MOT. BENCHMARK 3 SRSS					
KIND OF SUPPORT	NODE NUMBER	FX	FY	FZ	GLOBAL COMPONENTS MX	MY	MZ	LOCAL COMPONENTS FL ML
BDRY	49	0.	4.	0.	0.	0.	0.	4. 0.
BDRY	55	956.	0.	6778.	0.	0.	0.	6845. 0.
BDRY	41	2522.	0.	1803.	0.	0.	0.	3100. 0.
BDRY	41	0.	2923.	0.	0.	0.	0.	2923. 0.
BDRY	5	0.	524.	0.	0.	0.	0.	524. 0.
BDRY	8	0.	1144.	0.	0.	0.	0.	1144. 0.
BDRY	14	0.	1068.	0.	0.	0.	0.	1068. 0.
BDRY	20	0.	1416.	0.	0.	0.	0.	1416. 0.
BDRY	25	0.	1666.	0.	0.	0.	0.	1666. 0.
BDRY	29A	0.	2776.	0.	0.	0.	0.	2776. 0.
BDRY	37	0.	1736.	0.	0.	0.	0.	1736. 0.
BDRY	1	3160.	0.	0.	0.	0.	0.	3160. 0.
BDRY	1	0.	109.	0.	0.	0.	0.	109. 0.
BDRY	1	0.	0.	2408.	0.	0.	0.	2408. 0.
BDRY	1	0.	0.	0.	12711.	0.	0.	12711. 0.
BDRY	1	0.	0.	0.	0.	77406.	0.	77406. 0.
BDRY	1	0.	0.	0.	0.	0.	12661.	12661. 0.
BDRY	59	2834.	0.	0.	0.	0.	0.	2834. 0.
BDRY	59	0.	4923.	0.	0.	0.	0.	4923. 0.
BDRY	59	0.	0.	803.	0.	0.	0.	803. 0.
BDRY	59	0.	0.	0.	89089.	0.	0.	89089. 0.
BDRY	59	0.	0.	0.	0.	28458.	0.	28458. 0.
BDRY	59	0.	0.	0.	0.	0.	549310.	549310. 0.
SNBR	13	4948.	0.	230.	0.	0.	0.	4953. 0.
SNBR	14A	38.	0.	831.	0.	0.	0.	831. 0.
SNBR	18	32.	0.	311.	0.	0.	0.	312. 0.
SNBR	29	2562.	0.	3591.	0.	0.	0.	4412. 0.
SNBR	32	4800.	0.	3428.	0.	0.	0.	5898. 0.



Problem 3c

Independent Support Motion Solution  
Absolute Group Combination

COMBINATION OF INDIVIDUAL SUPPORT GROUP RESPONSES

KIND=1 SUPPORT COMBINATION AFTER SAP SUMMATION

KIND=1 SUPPORT COMBINATION DONE FIRST

GROUP COMBINATION TYPE= 2

ALGEBRAIC METHOD	= 1
ABSOLUTE METHOD	= 2
SRSS METHOD	= 3

NODE NUMBER	MODE NUMBER	D I S P L A C E M E N T S / R O T A T I O N S						A C C E L E R A T I O N S I N G ' S		
		X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION	X- DIRECTION	Y- DIRECTION	Z- DIRECTION
1	TOTAL..	4.35350E-09	1.67934E-10	3.37600E-09	1.93324E-08	1.22089E-07	1.85067E-08	.000	.000	.000
2	TOTAL..	9.03002E-03	7.38751E-04	8.68027E-03	1.33774E-04	4.72682E-04	1.28833E-04	.392	.062	.340
3	TOTAL..	2.64107E-02	1.69098E-03	2.56750E-02	2.67100E-04	5.69974E-04	2.54140E-04	1.028	.142	.932
4	TOTAL..	4.16557E-02	1.71346E-03	4.07700E-02	4.06012E-04	4.22321E-04	3.77296E-04	1.417	.131	1.319
5	TOTAL..	4.41800E-02	8.32137E-10	4.42074E-02	4.73952E-04	3.93311E-04	4.33878E-04	1.405	.000	1.356
6	TOTAL..	4.27083E-02	7.57916E-03	4.42946E-02	6.36472E-04	4.89041E-04	4.78175E-04	1.325	.519	1.836
7	TOTAL..	3.45837E-02	1.11115E-02	3.78090E-02	8.96843E-04	6.01746E-04	4.14397E-04	1.337	.755	2.719
8	TOTAL..	2.03595E-02	1.82775E-09	2.96991E-02	1.21515E-03	7.19156E-04	3.60678E-04	.986	.000	2.613
9	TOTAL..	1.30063E-02	1.12702E-02	3.04560E-02	1.35733E-03	7.19916E-04	3.76533E-04	.670	.726	2.256
10	TOTAL..	5.84622E-03	2.48425E-02	3.49501E-02	1.47824E-03	6.53956E-04	3.67270E-04	.302	1.553	1.860
11	TOTAL..	2.17815E-03	3.57581E-02	4.06975E-02	1.65729E-03	1.95505E-04	1.57676E-04	.077	2.221	1.482
12	TOTAL..	1.81778E-03	3.05765E-02	3.60272E-02	1.87354E-03	2.46820E-04	1.88300E-04	.060	1.860	1.199
13	TOTAL..	1.04753E-03	1.61938E-02	2.25604E-02	2.09412E-03	3.89814E-04	4.17486E-04	.038	.912	.809
14	TOTAL..	5.69694E-04	1.68889E-09	1.01866E-02	2.25489E-03	4.05086E-04	5.71522E-04	.030	.000	.411
14A	TOTAL..	7.00789E-04	1.72536E-02	3.22521E-05	2.39434E-03	3.46361E-04	6.33653E-04	.029	.894	.001
15	TOTAL..	1.98573E-03	5.44989E-02	1.62840E-02	2.77023E-03	1.22690E-04	2.43316E-04	.058	2.854	1.069
16	TOTAL..	2.86025E-03	4.65120E-02	1.33760E-02	3.15670E-03	1.85828E-04	4.65629E-04	.091	2.435	.848

17	TOTAL..	3.01330E-03	4.14134E-02	1.13976E-02	3.20696E-03	2.59440E-04	6.19245E-04	.094	2.166	.712
18	TOTAL..	4.33857E-03	1.37809E-02	4.45720E-04	3.40525E-03	3.29876E-04	7.48909E-04	.125	.727	.013
20	TOTAL..	5.10384E-03	2.14853E-09	5.67042E-03	3.50231E-03	3.24511E-04	7.41474E-04	.151	.000	.368
21	TOTAL..	6.83209E-03	2.62224E-02	1.81679E-02	3.76184E-03	1.86062E-04	5.95904E-04	.209	1.350	1.067
22	TOTAL..	7.60465E-03	3.55512E-02	2.04914E-02	4.05760E-03	1.14589E-04	2.96642E-04	.218	1.820	1.088
23	TOTAL..	6.81104E-03	2.94220E-02	7.41878E-03	4.39158E-03	4.98045E-04	4.28586E-04	.182	1.468	.492
24	TOTAL..	1.98652E-02	6.19643E-03	3.26414E-02	4.53519E-03	1.29494E-03	2.09713E-03	.452	.205	.777
25	TOTAL..	2.41374E-02	2.46654E-09	3.85455E-02	4.58039E-03	1.30679E-03	2.23335E-03	.533	.000	.888
26	TOTAL..	5.87438E-02	3.50334E-02	8.63005E-02	5.03090E-03	1.00769E-03	3.33760E-03	1.125	1.450	1.701
27	TOTAL..	7.56770E-02	4.25120E-02	1.09255E-01	5.64432E-03	1.65313E-04	4.24684E-03	1.261	1.949	1.867
28	TOTAL..	5.95667E-02	2.95574E-02	8.58726E-02	6.44050E-03	1.36484E-03	4.93504E-03	.838	1.373	1.242
29	TOTAL..	8.22324E-04	6.50608E-03	5.86633E-04	7.42069E-03	3.13033E-03	5.36791E-03	.041	.259	.029
29A	TOTAL..	2.45174E-02	4.06161E-09	3.29904E-02	7.69797E-03	3.57520E-03	5.43570E-03	.293	.000	.385
31	TOTAL..	1.26574E-01	2.58802E-02	1.76576E-01	8.54359E-03	4.42254E-03	5.85213E-03	1.422	.672	1.983
32	TOTAL..	2.35928E-01	4.35880E-02	3.30358E-01	9.08079E-03	4.21333E-03	6.68564E-03	2.597	1.131	3.637
34	TOTAL..	4.05304E-01	3.28551E-02	4.81862E-01	7.60559E-03	2.19045E-03	1.00470E-02	2.976	1.064	3.676
35	TOTAL..	6.72908E-01	3.28220E-02	6.53922E-01	7.61409E-03	1.42197E-03	1.02513E-02	4.223	1.063	3.851
38	TOTAL..	8.27192E-01	1.29511E-02	7.61900E-01	6.63281E-03	3.04011E-03	8.46782E-03	5.143	.511	4.447

37	TOTAL...	7.84731E-01	2.53657E-09	7.31401E-01	6.52350E-03	3.54680E-03	8.41070E-03	4.861	.000	4.262
38	TOTAL...	6.23568E-01	2.90379E-02	8.15460E-01	6.13918E-03	5.03154E-03	8.31618E-03	3.937	1.252	3.662
39	TOTAL...	4.10261E-01	4.22715E-02	4.62625E-01	5.82582E-03	6.17163E-03	8.20751E-03	2.852	1.718	2.976
40	TOTAL...	1.69927E-01	3.36780E-02	2.90123E-01	5.65150E-03	6.52320E-03	8.06312E-03	1.667	1.194	2.244
41	TOTAL...	9.30328E-02	4.01100E-09	1.30137E-01	5.67300E-03	5.84306E-03	7.86422E-03	1.212	.000	1.695
43	TOTAL...	1.43698E-01	1.40472E-02	1.00884E-01	5.69169E-03	5.51530E-03	7.81541E-03	1.391	.345	1.625
44	TOTAL...	2.59259E-01	9.22951E-02	7.40599E-02	5.48191E-03	3.27157E-03	7.83609E-03	2.105	1.300	1.598
45	TOTAL...	3.40789E-01	2.30725E-01	7.24117E-02	5.08760E-03	2.24432E-03	7.85958E-03	2.896	2.462	1.621
46	TOTAL...	3.88007E-01	3.53211E-01	7.28627E-02	4.40140E-03	1.32049E-03	7.91936E-03	3.508	3.458	1.655
47	TOTAL...	4.01245E-01	4.49427E-01	7.39965E-02	3.51245E-03	9.59802E-04	8.00993E-03	3.791	4.156	1.689
48	TOTAL...	3.83935E-01	5.14053E-01	7.51293E-02	2.55584E-03	1.44056E-03	8.12161E-03	3.691	4.562	1.713
49	TOTAL...	3.43390E-01	5.45985E-01	7.82353E-02	1.72581E-03	2.01096E-03	8.24008E-03	3.252	4.775	1.725
51	TOTAL...	2.77335E-01	5.47549E-01	7.79537E-02	1.27135E-03	2.32997E-03	8.37226E-03	2.480	4.982	1.724
52	TOTAL...	2.11896E-01	5.32971E-01	6.77922E-02	2.49235E-03	2.12008E-03	8.54923E-03	1.878	5.020	1.496
53	TOTAL...	1.10650E-01	5.14440E-01	4.23195E-02	2.58014E-03	2.05282E-03	8.51774E-03	.990	5.054	.973
55	TOTAL...	9.78842E-04	3.72056E-01	1.38121E-04	1.81838E-03	2.81239E-04	5.82380E-03	.018	4.056	.002
56	TOTAL...	1.06210E-03	2.31771E-01	3.84487E-03	1.36917E-03	6.97518E-05	5.13563E-03	.022	2.578	.100
57	TOTAL...	8.20850E-04	1.13943E-01	3.56195E-03	9.23738E-04	4.86647E-05	3.95993E-03	.018	1.292	.093
58	TOTAL...	3.75422E-04	3.19895E-02	1.47815E-03	4.70952E-04	7.23131E-05	2.25512E-03	.008	.370	.039

59	TOTAL..	3.93728E-09	6.81917E-09	1.06856E-09	1.21079E-07	3.65360E-08	7.65904E-07	.000	.000	.000
61	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
62	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
63	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
65	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
66	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
67	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
68	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
69	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
70	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
71	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
72	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
73	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
74	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
75	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
1X	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
1Y	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
1Z	TOTAL..	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000

59X TOTAL ..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
59Y TOTAL ..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000
59Z TOTAL ..	0.	0.	0.	0.	0.	0.	0.	0.000	0.000	0.000



# RESPONSE SPECTRUM STRESS COMPONENTS (KIND = 2)

OR EACH ELEMENT, THE FOLLOWING INFORMATION IS PRINTED

1. FOR EACH EARTH QUAKE DIRECTION; THE NUMBER OF THE MODE WITH THE LARGEST STRESS.
  2. THE VALUE OF THAT STRESS.
  3. IF REQUESTED; THE MODE BY MODE STRESSES FOR EACH EARTH QUAKE DIRECTION.
  4. THE RESULTANT FOR EACH EARTH QUAKE DIRECTION.
  5. THE GRAND TOTAL OF THE THREE EARTH QUAKE DIRECTIONS.
- (NOTE THE X, Y, OR Z REFERS TO THE EARTH QUAKE DIRECTION.)

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)
X	11	1	11	1	5	14	11	1	11	1	5	1
X MAXIMUM	4.776E+03	3.643E+01	8.265E+02	9.428E+03	8.229E+04	1.676E+03	4.776E+03	3.643E+01	8.265E+02	9.428E+03	2.711E+04	2.383E+02
Y	14	7	5	1	5	7	14	7	5	1	5	7
Y MAXIMUM	2.410E+02	9.631E+01	2.619E+02	1.754E+04	1.986E+04	5.085E+03	2.410E+02	9.631E+01	2.619E+02	1.754E+04	8.644E+03	9.600E+02
Z	11	1	5	1	5	15	11	1	5	1	5	1
Z MAXIMUM	1.935E+03	2.983E+01	1.184E+03	7.720E+03	8.980E+04	1.088E+03	1.935E+03	2.983E+01	1.184E+03	7.720E+03	3.908E+04	1.951E+02
GRAND TOTAL	5.223E+03	1.679E+02	1.753E+03	2.559E+04	1.221E+05	7.826E+03	5.223E+03	1.679E+02	1.753E+03	2.559E+04	4.988E+04	1.213E+03

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)
X	11	1	5	1	5	1	11	1	5	1	11	1
X MAXIMUM	4.759E+03	3.620E+01	7.487E+02	9.428E+03	2.711E+04	2.383E+02	4.759E+03	3.620E+01	7.487E+02	9.428E+03	2.548E+04	1.789E+03
Y	14	7	5	1	5	7	14	7	5	1	5	1
Y MAXIMUM	2.399E+02	8.698E+01	2.387E+02	1.754E+04	8.644E+03	9.600E+02	2.399E+02	8.698E+01	2.387E+02	1.754E+04	1.580E+03	3.328E+03
Z	11	1	5	1	5	1	11	1	5	1	11	1
Z MAXIMUM	1.928E+03	2.964E+01	1.079E+03	7.720E+03	3.908E+04	1.951E+02	1.928E+03	2.964E+01	1.079E+03	7.720E+03	1.032E+04	1.465E+03
GRAND TOTAL	5.204E+03	1.493E+02	1.568E+03	2.559E+04	4.988E+04	1.213E+03	5.204E+03	1.493E+02	1.568E+03	2.559E+04	2.911E+04	5.988E+03

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)
X	11	1	5	1	11	1	11	1	5	1	11	1
X MAXIMUM	4.725E+03	3.585E+01	5.299E+02	9.428E+03	2.548E+04	1.789E+03	4.725E+03	3.585E+01	5.299E+02	9.428E+03	4.297E+04	3.324E+03
Y	14	1	5	1	5	1	14	1	5	1	5	1
Y MAXIMUM	2.375E+02	6.670E+01	1.690E+02	1.754E+04	1.580E+03	3.328E+03	2.375E+02	6.670E+01	1.690E+02	1.754E+04	8.817E+03	6.185E+03
Z	11	1	5	1	11	1	11	1	5	1	5	1
Z MAXIMUM	1.914E+03	2.935E+01	7.639E+02	7.720E+03	1.032E+04	1.465E+03	1.914E+03	2.935E+01	7.639E+02	7.720E+03	3.987E+04	2.722E+03
GRAND TOTAL	5.168E+03	1.125E+02	1.065E+03	2.559E+04	2.911E+04	5.988E+03	5.168E+03	1.125E+02	1.065E+03	2.559E+04	6.877E+04	1.073E+04

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)
X	11	14	11	1	5	14	11	14	11	1	5	1
X MAXIMUM	4.447E+03	1.514E+02	1.301E+03	1.010E+04	3.335E+04	2.159E+03	4.447E+03	1.514E+02	1.301E+03	1.010E+04	3.639E+04	4.210E+03
Y	14	7	10	1	5	7	14	7	10	1	5	7
Y MAXIMUM	2.442E+02	6.252E+02	4.976E+01	1.879E+04	1.063E+04	9.617E+03	2.442E+02	6.252E+02	4.976E+01	1.879E+04	1.160E+04	1.445E+04
Z	11	15	11	1	5	15	11	15	11	1	5	1
Z MAXIMUM	1.802E+03	9.196E+01	5.272E+02	8.270E+03	4.807E+04	1.357E+03	1.802E+03	9.196E+01	5.272E+02	8.270E+03	5.246E+04	3.447E+03
GRAND TOTAL	4.868E+03	8.056E+02	1.418E+03	2.564E+04	7.084E+04	1.200E+04	4.868E+03	8.056E+02	1.418E+03	2.564E+04	6.921E+04	2.072E+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)
X	11	14	11	1	5	1	11	14	11	1	11	14
X MAXIMUM	4.314E+03	9.409E+01	8.584E+02	1.010E+04	3.639E+04	4.210E+03	4.314E+03	9.409E+01	8.534E+02	1.010E+04	5.788E+04	8.186E+03
Y	14	7	5	1	5	7	14	7	5	1	5	7
Y MAXIMUM	2.576E+02	5.169E+02	8.709E+01	1.879E+04	1.160E+04	1.445E+04	2.576E+02	5.169E+02	8.709E+01	1.879E+04	7.422E+03	3.926E+04
Z	11	1	5	1	5	1	11	1	5	1	5	1
Z MAXIMUM	1.748E+03	6.775E+01	3.937E+02	8.270E+03	5.246E+04	3.447E+03	1.748E+03	6.775E+01	3.937E+02	8.270E+03	3.356E+04	6.699E+03
GRAND TOTAL	4.749E+03	6.329E+02	1.052E+03	2.564E+04	6.921E+04	2.072E+04	4.749E+03	6.329E+02	1.052E+03	2.564E+04	7.585E+04	5.080E+04

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)
X	11	1	5	1	11	1	11	1	5	1	11	1
X MAXIMUM	4.148E+03	7.847E+01	5.237E+02	1.010E+04	5.788E+04	8.186E+03	4.148E+03	7.847E+01	5.237E+02	1.010E+04	4.825E+04	1.195E+04
Y	14	7	5	1	5	7	14	7	5	1	5	7
Y MAXIMUM	2.708E+02	3.363E+02	1.670E+02	1.879E+04	7.422E+03	3.927E+04	2.708E+02	3.363E+02	1.670E+02	1.879E+04	2.593E+03	5.540E+04
Z	11	1	5	1	5	1	11	1	5	1	5	1
Z MAXIMUM	1.680E+03	8.426E+01	7.549E+02	8.269E+03	3.356E+04	6.701E+03	1.680E+03	8.426E+01	7.549E+02	8.269E+03	1.955E+04	9.784E+03
GRAND TOTAL	4.609E+03	3.959E+02	9.891E+02	2.564E+04	7.585E+04	5.080E+04	4.609E+03	3.959E+02	9.891E+02	2.564E+04	5.251E+04	6.850E+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)
X	11	14	11	1	11	1	11	14	11	1	11	1
X MAXIMUM	4.015E+03	2.618E+02	9.475E+02	1.011E+04	4.825E+04	1.194E+04	4.015E+03	2.618E+02	9.475E+02	1.011E+04	2.802E+04	1.174E+04
Y	14	7	5	1	14	7	14	7	5	1	5	7
Y MAXIMUM	2.792E+02	1.239E+03	1.734E+02	1.881E+04	2.593E+03	5.540E+04	2.792E+02	1.239E+03	1.734E+02	1.881E+04	4.291E+03	2.893E+04
Z	11	15	5	1	11	1	11	15	5	1	5	1
Z MAXIMUM	1.627E+03	1.630E+02	7.838E+02	8.276E+03	1.955E+04	9.778E+03	1.627E+03	1.630E+02	7.838E+02	8.276E+03	1.940E+04	9.617E+03
GRAND TOTAL	4.504E+03	1.498E+03	1.434E+03	2.567E+04	5.251E+04	6.849E+04	4.504E+03	1.498E+03	1.434E+03	2.567E+04	3.950E+04	4.149E+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)
X	11	14	11	1	11	1	11	14	11	1	5	1
X MAXIMUM	3.928E+03	2.252E+02	1.328E+03	1.010E+04	2.802E+04	1.175E+04	3.928E+03	2.252E+02	1.328E+03	1.010E+04	2.436E+04	1.159E+04
Y	14	7	5	1	14	7	14	7	5	1	5	7
Y MAXIMUM	2.840E+02	1.155E+03	1.629E+02	1.879E+04	4.291E+03	2.894E+04	2.840E+02	1.155E+03	1.629E+02	1.879E+04	7.768E+03	2.157E+04
Z	11	15	5	1	11	1	11	15	5	1	5	1
Z MAXIMUM	1.592E+03	1.407E+02	7.366E+02	8.271E+03	1.940E+04	9.621E+03	1.592E+03	1.407E+02	7.366E+02	8.271E+03	3.512E+04	9.493E+03
GRAND TOTAL	4.438E+03	1.371E+03	1.719E+03	2.565E+04	3.950E+04	4.150E+04	4.438E+03	1.371E+03	1.719E+03	2.565E+04	4.522E+04	2.805E+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)
X	11	14	11	1	5	14	11	14	11	1	5	10
X MAXIMUM	4.159E+03	4.784E+01	2.267E+02	1.454E+04	3.169E+04	6.378E+03	4.159E+03	4.784E+01	2.267E+02	1.454E+04	2.470E+04	6.080E+03
Y	6	7	14	1	5	7	6	7	14	1	5	7
Y MAXIMUM	2.793E+02	4.540E+02	1.390E+02	2.706E+04	1.010E+04	2.878E+04	2.793E+02	4.540E+02	1.390E+02	2.706E+04	7.874E+03	4.759E+04
Z	11	7	5	1	5	10	11	7	5	1	5	10
Z MAXIMUM	1.685E+03	4.606E+01	2.433E+02	1.191E+04	4.568E+04	4.130E+03	1.685E+03	4.606E+01	2.433E+02	1.191E+04	3.560E+04	5.217E+03
GRAND TOTAL	4.765E+03	4.875E+02	4.902E+02	3.418E+04	6.163E+04	3.717E+04	4.765E+03	4.875E+02	4.902E+02	3.418E+04	4.707E+04	5.298E+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)
X	11	14	5	1	5	10	11	14	5	1	5	1
X MAXIMUM	4.173E+03	1.925E+02	3.813E+02	1.454E+04	2.470E+04	6.080E+03	4.173E+03	1.925E+02	3.813E+02	1.454E+04	8.904E+03	5.743E+03
Y	6	14	6	1	5	7	6	14	6	1	14	7
Y MAXIMUM	2.797E+02	3.959E+02	1.361E+02	2.706E+04	7.874E+03	4.759E+04	2.797E+02	3.959E+02	1.361E+02	2.706E+04	7.572E+03	4.572E+04
Z	11	15	5	1	5	10	11	15	5	1	5	1
Z MAXIMUM	1.691E+03	1.182E+02	5.497E+02	1.191E+04	3.560E+04	5.217E+03	1.691E+03	1.182E+02	5.497E+02	1.191E+04	1.284E+04	4.702E+03
GRAND TOTAL	4.780E+03	5.373E+02	7.311E+02	3.418E+04	4.707E+04	5.298E+04	4.780E+03	5.373E+02	7.311E+02	3.418E+04	2.352E+04	5.007E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	14	5	1	5	1	1	14	5	1	5	14
X MAXIMUM	1.467E+03	2.359E+02	4.952E+02	1.454E+04	8.904E+03	5.743E+03	1.467E+03	2.359E+02	4.952E+02	1.454E+04	5.952E+03	1.065E+04
Y	1	14	6	1	14	7	1	14	6	1	14	7
Y MAXIMUM	2.730E+03	4.853E+02	1.608E+02	2.706E+04	7.572E+03	4.572E+04	2.730E+03	4.853E+02	1.608E+02	2.706E+04	7.275E+03	3.722E+04
Z	1	15	5	1	5	1	1	15	5	1	5	15
Z MAXIMUM	1.202E+03	1.467E+02	7.138E+02	1.191E+04	1.284E+04	4.703E+03	1.202E+03	1.467E+02	7.138E+02	1.191E+04	8.580E+03	6.301E+03
GRAND TOTAL	5.060E+03	7.313E+02	9.170E+02	3.418E+04	2.352E+04	5.007E+04	5.060E+03	7.313E+02	9.170E+02	3.418E+04	2.172E+04	4.977E+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)
X	1	14	5	1	5	14	1	14	5	1	5	14
X MAXIMUM	1.467E+03	1.527E+02	5.347E+02	1.454E+04	5.952E+03	1.065E+04	1.467E+03	1.527E+02	5.347E+02	1.454E+04	1.985E+04	6.684E+03
Y	1	7	5	1	14	7	1	7	5	1	6	14
Y MAXIMUM	2.730E+03	1.540E+03	1.705E+02	2.706E+04	7.275E+03	3.722E+04	2.730E+03	1.540E+03	1.705E+02	2.706E+04	9.525E+03	1.375E+04
Z	1	7	5	1	5	15	1	7	5	1	5	15
Z MAXIMUM	1.201E+03	1.563E+02	7.707E+02	1.191E+04	8.580E+03	6.301E+03	1.201E+03	1.563E+02	7.707E+02	1.191E+04	2.862E+04	4.103E+03
GRAND TOTAL	5.058E+03	1.672E+03	9.891E+02	3.418E+04	2.172E+04	4.977E+04	5.058E+03	1.672E+03	9.891E+02	3.418E+04	4.135E+04	2.040E+04

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)
X	1	14	13	1	5	14	1	14	13	1	5	7
X MAXIMUM	1.467E+03	1.539E+02	1.749E+02	1.454E+04	1.985E+04	6.684E+03	1.467E+03	1.539E+02	1.749E+02	1.454E+04	1.558E+04	8.387E+03
Y	1	7	14	1	6	14	1	7	14	1	14	7
Y MAXIMUM	2.729E+03	1.190E+03	2.588E+02	2.706E+04	9.525E+03	1.375E+04	2.729E+03	1.190E+03	2.588E+02	2.706E+04	1.205E+04	8.583E+04
Z	1	7	13	1	5	15	1	7	13	1	5	8
Z MAXIMUM	1.201E+03	1.207E+02	1.663E+02	1.191E+04	2.862E+04	4.103E+03	1.201E+03	1.207E+02	1.663E+02	1.191E+04	2.245E+04	8.741E+03
GRAND TOTAL	5.050E+03	1.324E+03	6.316E+02	3.418E+04	4.135E+04	2.040E+04	5.050E+03	1.324E+03	6.316E+02	3.418E+04	3.776E+04	9.085E+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)
X	1	1	5	1	5	7	1	1	5	1	1	1
X MAXIMUM	1.465E+03	1.148E+02	1.763E+02	1.454E+04	1.558E+04	8.387E+03	1.465E+03	1.148E+02	1.763E+02	1.454E+04	8.802E+03	1.310E+04
Y	1	7	1	1	14	7	1	7	1	1	1	7
Y MAXIMUM	2.726E+03	4.252E+02	1.550E+02	2.706E+04	1.205E+04	8.583E+04	2.726E+03	4.252E+02	1.550E+02	2.706E+04	1.638E+04	5.516E+04
Z	1	1	5	1	5	8	1	1	5	1	9	1
Z MAXIMUM	1.200E+03	9.396E+01	2.541E+02	1.191E+04	2.245E+04	8.741E+03	1.200E+03	9.396E+01	2.541E+02	1.191E+04	7.661E+03	1.072E+04
GRAND TOTAL	5.027E+03	5.498E+02	4.441E+02	3.418E+04	3.776E+04	9.085E+04	5.027E+03	5.498E+02	4.441E+02	3.418E+04	3.451E+04	6.627E+04

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)
X	1	10	5	1	1	1	1	10	5	1	5	1
X MAXIMUM	1.458E+03	1.677E+02	2.384E+02	1.640E+04	8.525E+03	1.184E+04	1.458E+03	1.677E+02	2.384E+02	1.640E+04	7.137E+03	1.609E+04
Y	1	7	1	1	1	7	1	7	1	1	1	1
Y MAXIMUM	2.713E+03	1.590E+03	2.647E+02	3.052E+04	1.586E+04	4.524E+04	2.713E+03	1.590E+03	2.647E+02	3.052E+04	6.457E+03	2.993E+04
Z	1	8	5	1	1	1	1	8	5	1	5	1
Z MAXIMUM	1.194E+03	1.698E+02	3.437E+02	1.343E+04	6.980E+03	9.696E+03	1.194E+03	1.698E+02	3.437E+02	1.343E+04	1.029E+04	1.317E+04
GRAND TOTAL	4.982E+03	1.717E+03	7.685E+02	3.847E+04	3.186E+04	5.501E+04	4.982E+03	1.717E+03	7.685E+02	3.847E+04	1.694E+04	4.068E+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)
X	1	7	1	1	5	1	1	7	1	1	5	1
X MAXIMUM	1.457E+03	1.707E+02	1.961E+02	1.640E+04	7.137E+03	1.609E+04	1.457E+03	1.707E+02	1.961E+02	1.640E+04	6.993E+03	1.824E+04
Y	1	7	1	1	1	1	1	7	1	1	14	7
Y MAXIMUM	2.710E+03	1.747E+03	3.649E+02	3.052E+04	6.457E+03	2.993E+04	2.710E+03	1.747E+03	3.649E+02	3.052E+04	3.785E+03	4.270E+04
Z	1	8	9	1	5	1	1	8	9	1	5	1
Z MAXIMUM	1.193E+03	1.843E+02	1.747E+02	1.343E+04	1.029E+04	1.317E+04	1.193E+03	1.843E+02	1.747E+02	1.343E+04	1.008E+04	1.493E+04
GRAND TOTAL	4.966E+03	1.882E+03	8.103E+02	3.846E+04	1.694E+04	4.068E+04	4.966E+03	1.882E+03	8.103E+02	3.846E+04	1.520E+04	6.374E+04

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)
X	1	1	1	1	5	1	1	1	1	1	1	1
X MAXIMUM	1.455E+03	5.477E+02	1.840E+02	1.640E+04	6.993E+03	1.824E+04	1.455E+03	5.477E+02	1.940E+02	1.840E+04	8.876E+03	6.649E+03
Y	1	1	1	1	14	7	1	1	1	1	1	7
Y MAXIMUM	2.707E+03	1.019E+03	3.610E+02	3.052E+04	3.785E+03	4.270E+04	2.707E+03	1.019E+03	3.610E+02	3.052E+04	1.651E+04	6.309E+04
Z	1	1	1	1	5	1	1	1	1	1	9	7
Z MAXIMUM	1.191E+03	4.485E+02	1.589E+02	1.343E+04	1.008E+04	1.493E+04	1.191E+03	4.485E+02	1.589E+02	1.343E+04	9.580E+03	6.400E+03
GRAND TOTAL	4.944E+03	1.380E+03	7.416E+02	3.846E+04	1.520E+04	6.374E+04	4.944E+03	1.380E+03	7.416E+02	3.846E+04	4.084E+04	6.762E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	1	1	1	1	1	1	1	1	1	1	1
X MAXIMUM	1.452E+03	5.417E+02	1.838E+02	1.640E+04	8.876E+03	6.649E+03	1.452E+03	5.417E+02	1.838E+02	1.640E+04	1.723E+04	3.126E+04
Y	1	1	1	1	1	7	1	1	1	1	1	7
Y MAXIMUM	2.701E+03	1.008E+03	3.420E+02	3.052E+04	1.651E+04	6.309E+04	2.701E+03	1.008E+03	3.420E+02	3.052E+04	3.205E+04	6.119E+04
Z	1	1	1	1	9	7	1	1	1	1	1	1
Z MAXIMUM	1.189E+03	4.435E+02	1.505E+02	1.343E+04	9.580E+03	6.400E+03	1.189E+03	4.435E+02	1.505E+02	1.343E+04	1.411E+04	2.560E+04
GRAND TOTAL	4.909E+03	1.266E+03	5.688E+02	3.846E+04	4.084E+04	6.762E+04	4.909E+03	1.266E+03	5.688E+02	3.846E+04	6.080E+04	9.586E+04

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)
X	1	1	1	1	1	1	1	1	1	1	1	1
X MAXIMUM	1.448E+03	5.334E+02	1.715E+02	1.640E+04	1.723E+04	3.126E+04	1.448E+03	5.334E+02	1.715E+02	1.640E+04	2.502E+04	5.550E+04
Y	1	1	1	1	1	7	1	1	1	1	1	1
Y MAXIMUM	2.694E+03	9.925E+02	3.190E+02	3.052E+04	3.205E+04	6.119E+04	2.694E+03	9.925E+02	3.190E+02	3.052E+04	4.655E+04	1.033E+05
Z	1	1	13	1	1	1	1	1	13	1	1	1
Z MAXIMUM	1.186E+03	4.368E+02	1.569E+02	1.343E+04	1.411E+04	2.560E+04	1.186E+03	4.368E+02	1.569E+02	1.343E+04	2.048E+04	4.544E+04
GRAND TOTAL	4.869E+03	1.435E+03	6.727E+02	3.846E+04	6.080E+04	9.586E+04	4.869E+03	1.435E+03	6.727E+02	3.846E+04	7.715E+04	1.309E+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(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	13	1	1	1	1	1	1	1	1	1	1
X MAXIMUM	1.444E+03	2.278E+02	5.403E+02	1.640E+04	5.550E+04	2.502E+04	1.410E+03	3.542E+02	5.403E+02	3.704E+04	5.758E+04	2.296E+04
Y	1	14	7	1	1	1	1	1	7	1	1	1
Y MAXIMUM	2.687E+03	3.699E+02	1.202E+03	3.052E+04	1.033E+05	4.655E+04	2.624E+03	6.590E+02	1.202E+03	6.892E+04	1.071E+05	4.273E+04
Z	1	13	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	1.183E+03	2.167E+02	4.424E+02	1.343E+04	4.544E+04	2.048E+04	1.155E+03	2.900E+02	4.424E+02	3.033E+04	4.715E+04	1.880E+04
GRAND TOTAL	4.825E+03	7.990E+02	1.782E+03	3.847E+04	1.309E+05	7.715E+04	4.711E+03	1.312E+03	1.782E+03	8.577E+04	1.322E+05	6.893E+04

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	1	1	1	1	1
X MAXIMUM	1.194E+03	8.294E+02	5.403E+02	5.708E+04	5.223E+04	1.000E+04
Y	1	1	7	1	1	1
Y MAXIMUM	2.222E+03	1.543E+03	1.202E+03	1.062E+05	9.719E+04	1.861E+04
Z	1	1	1	1	1	1
Z MAXIMUM	9.777E+02	6.792E+02	4.424E+02	4.874E+04	4.277E+04	8.192E+03
GRAND TOTAL	4.001E+03	2.813E+03	1.782E+03	1.312E+05	1.238E+05	2.880E+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)
X	1	1	1	1	1	1	1	1	1	1	9	1
X MAXIMUM	1.195E+03	5.427E+02	8.156E+02	5.707E+04	1.000E+04	5.224E+04	1.195E+03	5.427E+02	8.156E+02	5.707E+04	5.581E+03	5.521E+04
Y	1	7	1	1	1	1	1	7	1	1	1	1
Y MAXIMUM	2.224E+03	1.236E+03	1.518E+03	1.062E+05	1.861E+04	9.720E+04	2.224E+03	1.236E+03	1.518E+03	1.062E+05	1.031E+04	1.027E+05
Z	1	1	1	1	1	1	1	1	1	1	9	1
Z MAXIMUM	9.786E+02	4.444E+02	6.679E+02	4.673E+04	8.192E+03	4.278E+04	9.786E+02	4.444E+02	6.679E+02	4.673E+04	6.431E+03	4.521E+04
GRAND TOTAL	4.019E+03	1.812E+03	2.678E+03	1.312E+05	2.880E+04	1.238E+05	4.019E+03	1.812E+03	2.678E+03	1.312E+05	1.903E+04	1.323E+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)
X	1	1	1	1	9	1	1	1	1	1	1	1
X MAXIMUM	1.196E+03	4.146E+02	7.981E+02	5.708E+04	5.581E+03	5.520E+04	1.196E+03	4.146E+02	7.981E+02	5.708E+04	3.227E+04	3.556E+04
Y	1	1	1	1	1	1	1	1	1	1	1	1
Y MAXIMUM	2.226E+03	7.715E+02	1.485E+03	1.062E+05	1.031E+04	1.027E+05	2.226E+03	7.715E+02	1.485E+03	1.062E+05	6.004E+04	6.617E+04
Z	1	1	1	1	9	1	1	1	1	1	1	1
Z MAXIMUM	9.794E+02	3.395E+02	6.535E+02	4.674E+04	6.431E+03	4.520E+04	9.794E+02	3.395E+02	6.535E+02	4.674E+04	2.642E+04	2.912E+04
GRAND TOTAL	4.038E+03	1.244E+03	2.517E+03	1.312E+05	1.903E+04	1.323E+05	4.038E+03	1.244E+03	2.517E+03	1.312E+05	1.110E+05	1.044E+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)
X	1	1	1	1	1	1	1	1	1	1	1	10
X MAXIMUM	1.198E+03	4.352E+02	7.225E+02	5.708E+04	3.227E+04	3.556E+04	1.198E+03	4.352E+02	7.225E+02	5.708E+04	6.650E+04	1.720E+04
Y	1	1	1	1	1	1	1	1	1	1	1	7
Y MAXIMUM	2.229E+03	8.098E+02	1.344E+03	1.062E+05	6.004E+04	6.617E+04	2.229E+03	8.098E+02	1.344E+03	1.062E+05	1.237E+05	4.971E+04
Z	1	1	1	1	1	1	1	1	1	1	1	4
Z MAXIMUM	9.807E+02	3.564E+02	5.916E+02	4.674E+04	2.642E+04	2.912E+04	9.807E+02	3.564E+02	5.916E+02	4.674E+04	5.445E+04	1.987E+04
GRAND TOTAL	4.067E+03	1.057E+03	2.006E+03	1.312E+05	1.110E+05	1.044E+05	4.067E+03	1.057E+03	2.006E+03	1.312E+05	2.013E+05	8.032E+04

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)
X	1	1	1	1	1	10	1	1	1	1	1	4
X MAXIMUM	1.199E+03	4.537E+02	6.237E+02	5.708E+04	6.650E+04	1.720E+04	1.199E+03	4.537E+02	6.237E+02	5.708E+04	9.604E+04	1.533E+04
Y	1	1	1	1	1	7	1	1	1	1	1	7
Y MAXIMUM	2.231E+03	8.442E+02	1.160E+03	1.062E+05	1.237E+05	4.971E+04	2.231E+03	8.442E+02	1.160E+03	1.062E+05	1.787E+05	2.193E+04
Z	1	1	1	1	1	4	1	1	1	1	1	4
Z MAXIMUM	9.818E+02	3.715E+02	5.107E+02	4.674E+04	5.445E+04	1.987E+04	9.818E+02	3.715E+02	5.107E+02	4.674E+04	7.864E+04	2.039E+04
GRAND TOTAL	4.091E+03	1.259E+03	1.683E+03	1.312E+05	2.013E+05	8.032E+04	4.091E+03	1.259E+03	1.683E+03	1.312E+05	2.672E+05	5.230E+04

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)
X	1	1	1	1	1	4	1	1	1	1	1	1
X MAXIMUM	1.200E+03	4.606E+02	5.436E+02	5.708E+04	9.604E+04	1.533E+04	1.200E+03	4.606E+02	5.436E+02	5.708E+04	1.218E+05	2.838E+04
Y	1	7	1	1	1	7	1	7	1	1	1	1
Y MAXIMUM	2.233E+03	9.417E+02	1.011E+03	1.062E+05	1.787E+05	2.193E+04	2.233E+03	9.417E+02	1.011E+03	1.062E+05	2.266E+05	5.280E+04
Z	1	1	9	1	1	4	1	1	9	1	1	1
Z MAXIMUM	9.826E+02	3.772E+02	4.588E+02	4.674E+04	7.864E+04	2.039E+04	9.826E+02	3.772E+02	4.588E+02	4.674E+04	9.973E+04	2.324E+04
GRAND TOTAL	4.109E+03	1.623E+03	1.656E+03	1.312E+05	2.672E+05	5.230E+04	4.109E+03	1.623E+03	1.656E+03	1.312E+05	3.231E+05	7.978E+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)
X	1	1	1	1	1	1	1	1	1	1	1	1
X MAXIMUM	1.200E+03	4.603E+02	1.899E+03	5.708E+04	1.218E+05	2.838E+04	1.200E+03	4.603E+02	1.899E+03	5.708E+04	9.901E+04	3.390E+04
Y	1	7	1	1	1	1	1	7	1	1	1	1
Y MAXIMUM	2.233E+03	9.812E+02	3.533E+03	1.062E+05	2.266E+05	5.280E+04	2.233E+03	9.812E+02	3.533E+03	1.062E+05	1.842E+05	6.308E+04
Z	1	1	1	1	1	1	1	1	1	1	1	1
Z MAXIMUM	9.829E+02	3.769E+02	1.555E+03	4.674E+04	9.973E+04	2.324E+04	9.829E+02	3.769E+02	1.555E+03	4.674E+04	8.108E+04	2.776E+04
GRAND TOTAL	4.117E+03	1.668E+03	5.041E+03	1.312E+05	3.231E+05	7.979E+04	4.117E+03	1.668E+03	5.041E+03	1.312E+05	2.630E+05	9.589E+04

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)
X	1	1	1	1	1	1	1	1	1	1	1	1
X MAXIMUM	1.202E+03	1.037E+03	1.879E+03	5.706E+04	9.901E+04	3.393E+04	1.202E+03	1.037E+03	1.879E+03	5.706E+04	1.935E+04	1.002E+04
Y	1	1	1	1	1	1	1	1	1	1	1	7
Y MAXIMUM	2.236E+03	1.929E+03	3.497E+03	1.062E+05	1.842E+05	6.314E+04	2.236E+03	1.929E+03	3.497E+03	1.062E+05	3.600E+04	2.064E+04
Z	1	1	1	1	1	1	1	1	1	1	1	4
Z MAXIMUM	9.839E+02	8.489E+02	1.539E+03	4.672E+04	8.108E+04	2.778E+04	9.839E+02	8.489E+02	1.539E+03	4.672E+04	1.584E+04	1.135E+04
GRAND TOTAL	4.125E+03	2.806E+03	4.956E+03	1.311E+05	2.630E+05	9.594E+04	4.125E+03	2.806E+03	4.956E+03	1.311E+05	6.025E+04	4.337E+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)
X	1	1	1	1	1	1	1	1	1	1	1	1
X MAXIMUM	1.202E+03	1.027E+03	1.723E+03	5.706E+04	1.935E+04	1.002E+04	1.202E+03	1.027E+03	1.723E+03	5.706E+04	5.371E+04	5.356E+04
Y	1	1	1	1	1	7	1	1	1	1	1	1
Y MAXIMUM	2.236E+03	1.911E+03	3.206E+03	1.062E+05	3.600E+04	2.064E+04	2.236E+03	1.911E+03	3.206E+03	1.062E+05	9.993E+04	9.965E+04
Z	1	1	1	1	1	4	1	1	1	1	1	1
Z MAXIMUM	9.841E+02	8.409E+02	1.411E+03	4.672E+04	1.584E+04	1.135E+04	9.841E+02	8.409E+02	1.411E+03	4.672E+04	4.398E+04	4.385E+04
GRAND TOTAL	4.130E+03	2.729E+03	4.317E+03	1.311E+05	6.025E+04	4.336E+04	4.130E+03	2.729E+03	4.317E+03	1.311E+05	1.329E+05	1.464E+05

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)
X	1	4	1	1	1	2	1	4	1	1	2	4
X MAXIMUM	1.021E+03	6.374E+02	1.941E+03	8.033E+04	5.279E+04	1.478E+04	1.021E+03	6.374E+02	1.941E+03	8.033E+04	2.655E+04	7.669E+03
Y	1	4	1	1	1	2	1	4	1	1	2	4
Y MAXIMUM	1.899E+03	9.029E+02	3.612E+03	1.495E+05	9.822E+04	2.590E+04	1.899E+03	9.029E+02	3.612E+03	1.495E+05	4.655E+04	1.086E+04
Z	1	4	1	1	1	4	1	4	1	1	2	4
Z MAXIMUM	8.357E+02	8.474E+02	1.589E+03	6.578E+04	4.322E+04	1.311E+04	8.357E+02	8.474E+02	1.589E+03	6.578E+04	1.249E+04	1.020E+04
GRAND TOTAL	2.652E+03	1.950E+03	5.240E+03	1.928E+05	1.237E+05	3.843E+04	2.652E+03	1.950E+03	5.240E+03	1.928E+05	5.821E+04	2.580E+04

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)
X	1	1	1	2	1	2	1	1	1	2	1	2
X MAXIMUM	1.257E+03	1.030E+03	5.730E+02	2.825E+04	9.967E+04	2.736E+04	1.257E+03	1.030E+03	5.730E+02	2.825E+04	1.089E+05	2.137E+04
Y	1	1	1	2	1	2	1	1	1	2	1	2
Y MAXIMUM	2.338E+03	1.916E+03	1.066E+03	4.953E+04	1.855E+05	4.796E+04	2.338E+03	1.916E+03	1.066E+03	4.953E+04	2.027E+05	3.746E+04
Z	1	1	1	1	1	4	1	1	1	1	1	4
Z MAXIMUM	1.029E+03	8.430E+02	4.692E+02	1.667E+04	8.162E+04	2.590E+04	1.029E+03	8.430E+02	4.692E+02	1.667E+04	8.921E+04	2.359E+04
GRAND TOTAL	3.868E+03	2.723E+03	1.632E+03	8.088E+04	2.356E+05	7.521E+04	3.868E+03	2.723E+03	1.632E+03	8.088E+04	2.568E+05	7.118E+04



ELEMENT TYPE (3/D 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)
X	1	2	3	2	1	2	1	2	3	2	1	4
X MAXIMUM	1.349E+03	4.163E+02	2.420E+02	2.820E+04	1.089E+05	2.144E+04	1.349E+03	4.163E+02	2.420E+02	2.820E+04	1.040E+05	1.757E+04
Y	1	2	3	2	1	2	1	2	3	2	1	4
Y MAXIMUM	2.510E+03	7.299E+02	4.409E+02	4.944E+04	2.027E+05	3.758E+04	2.510E+03	7.299E+02	4.409E+02	4.944E+04	1.935E+05	2.489E+04
Z	1	3	3	1	1	4	1	3	3	1	1	4
Z MAXIMUM	1.105E+03	3.268E+02	3.929E+02	1.670E+04	8.921E+04	2.358E+04	1.105E+03	3.268E+02	3.929E+02	1.670E+04	8.517E+04	2.336E+04
GRAND TOTAL	3.862E+03	1.274E+03	9.336E+02	8.085E+04	2.568E+05	7.121E+04	3.862E+03	1.274E+03	9.336E+02	8.085E+04	2.459E+05	6.712E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 32)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	1	2	1	4	1	2	1	2	1	2
X MAXIMUM	1.483E+03	3.984E+02	9.202E+02	2.820E+04	1.040E+05	1.757E+04	1.483E+03	3.984E+02	9.202E+02	2.820E+04	6.106E+04	1.659E+04
Y	1	2	1	2	1	4	1	2	1	2	1	8
Y MAXIMUM	2.760E+03	6.935E+02	1.712E+03	4.944E+04	1.935E+05	2.489E+04	2.760E+03	6.985E+02	1.712E+03	4.944E+04	1.136E+05	3.260E+04
Z	1	3	1	1	1	4	1	3	1	1	1	8
Z MAXIMUM	1.215E+03	2.734E+02	7.535E+02	1.670E+04	8.517E+04	2.336E+04	1.215E+03	2.734E+02	7.535E+02	1.670E+04	5.000E+04	2.196E+04
GRAND TOTAL	4.001E+03	1.009E+03	2.371E+03	8.085E+04	2.459E+05	8.712E+04	4.001E+03	1.009E+03	2.371E+03	8.085E+04	1.542E+05	8.454E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	1	2	1	2	1	2	1	2	4	2
X MAXIMUM	1.617E+03	3.600E+02	1.485E+03	2.820E+04	6.106E+04	1.659E+04	1.617E+03	3.600E+02	1.485E+03	2.820E+04	2.631E+04	3.340E+04
Y	1	2	1	2	1	8	1	2	1	2	3	2
Y MAXIMUM	3.010E+03	6.311E+02	2.763E+03	4.944E+04	1.136E+05	3.260E+04	3.010E+03	6.311E+02	2.763E+03	4.944E+04	3.893E+04	5.855E+04
Z	1	4	1	1	1	8	1	4	1	1	4	3
Z MAXIMUM	1.324E+03	1.949E+02	1.216E+03	1.670E+04	5.000E+04	2.196E+04	1.324E+03	1.949E+02	1.216E+03	1.670E+04	3.497E+04	2.823E+04
GRAND TOTAL	4.306E+03	9.666E+02	3.663E+03	8.085E+04	1.542E+05	8.454E+04	4.306E+03	9.666E+02	3.663E+03	8.085E+04	9.458E+04	9.689E+04

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)
X	1	2	1	2	4	2	1	2	1	2	1	2
X MAXIMUM	1.751E+03	3.208E+02	1.764E+03	2.820E+04	2.631E+04	3.340E+04	1.751E+03	3.208E+02	1.764E+03	2.820E+04	9.062E+04	4.837E+04
Y	1	2	1	2	3	2	1	2	1	2	1	2
Y MAXIMUM	3.258E+03	5.624E+02	3.283E+03	4.944E+04	3.893E+04	5.855E+04	3.258E+03	5.624E+02	3.283E+03	4.944E+04	1.686E+05	8.481E+04
Z	1	4	1	1	4	3	1	4	1	1	1	3
Z MAXIMUM	1.434E+03	2.614E+02	1.445E+03	1.670E+04	3.497E+04	2.823E+04	1.434E+03	2.614E+02	1.445E+03	1.670E+04	7.420E+04	3.305E+04
GRAND TOTAL	4.743E+03	1.169E+03	4.323E+03	8.085E+04	9.458E+04	9.689E+04	4.743E+03	1.169E+03	4.323E+03	8.085E+04	2.527E+05	1.170E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	4	2	1	2	1	2	4	2	1	2
X MAXIMUM	1.885E+03	1.298E+03	1.260E+03	2.615E+04	9.062E+04	4.951E+04	1.885E+03	1.298E+03	1.260E+03	2.615E+04	1.040E+05	3.419E+04
Y	1	2	1	2	1	2	1	2	1	2	1	2
Y MAXIMUM	3.507E+03	2.276E+03	2.113E+03	4.584E+04	1.686E+05	8.680E+04	3.507E+03	2.276E+03	2.113E+03	4.584E+04	1.935E+05	5.995E+04
Z	1	3	4	1	1	3	1	3	4	1	1	3
Z MAXIMUM	1.543E+03	8.633E+02	1.675E+03	1.650E+04	7.420E+04	3.339E+04	1.543E+03	8.633E+02	1.675E+03	1.650E+04	8.517E+04	2.556E+04
GRAND TOTAL	5.193E+03	3.302E+03	4.074E+03	7.704E+04	2.527E+05	1.196E+05	5.193E+03	3.302E+03	4.074E+03	7.704E+04	2.660E+05	8.889E+04

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)
X	1	2	6	2	1	1	1	2	6	2	1	1
X MAXIMUM	2.269E+03	1.189E+03	5.603E+02	1.770E+04	1.240E+05	3.674E+04	2.269E+03	1.189E+03	5.603E+02	1.770E+04	1.232E+05	5.375E+04
Y	1	2	3	2	1	1	1	2	3	2	1	1
Y MAXIMUM	4.223E+03	2.085E+03	9.612E+02	3.103E+04	2.308E+05	6.836E+04	4.223E+03	2.085E+03	9.612E+02	3.103E+04	2.293E+05	1.000E+05
Z	4	3	3	2	1	1	4	3	3	2	1	1
Z MAXIMUM	1.995E+03	5.756E+02	8.566E+02	8.323E+03	1.015E+05	3.008E+04	1.995E+03	5.756E+02	8.566E+02	8.323E+03	1.009E+05	4.401E+04
GRAND TOTAL	6.530E+03	2.977E+03	2.226E+03	4.720E+04	2.946E+05	8.879E+04	6.530E+03	2.977E+03	2.226E+03	4.720E+04	2.936E+05	1.463E+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)
X	1	2	3	2	1	1	1	2	3	2	1	1
X MAXIMUM	2.307E+03	9.514E+02	4.328E+02	1.770E+04	1.232E+05	5.375E+04	2.307E+03	9.514E+02	4.328E+02	1.770E+04	1.157E+05	6.761E+04
Y	1	2	3	2	1	1	1	2	3	2	1	1
Y MAXIMUM	4.293E+03	1.668E+03	7.883E+02	3.103E+04	2.293E+05	1.000E+05	4.293E+03	1.668E+03	7.883E+02	3.103E+04	2.152E+05	1.258E+05
Z	4	3	3	2	1	1	4	3	3	2	1	1
Z MAXIMUM	2.198E+03	4.548E+02	7.026E+02	8.323E+03	1.009E+05	4.401E+04	2.198E+03	4.548E+02	7.026E+02	8.323E+03	9.471E+04	5.536E+04
GRAND TOTAL	6.827E+03	2.355E+03	1.802E+03	4.720E+04	2.936E+05	1.463E+05	6.827E+03	2.355E+03	1.802E+03	4.720E+04	2.875E+05	2.110E+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)
X	1	2	1	2	1	1	1	2	1	2	1	2
X MAXIMUM	2.345E+03	5.892E+02	4.769E+02	1.770E+04	1.157E+05	6.761E+04	2.345E+03	5.892E+02	4.769E+02	1.770E+04	1.005E+05	8.149E+04
Y	1	2	1	2	1	1	1	2	1	2	1	2
Y MAXIMUM	4.363E+03	1.033E+03	8.873E+02	3.103E+04	2.152E+05	1.258E+05	4.363E+03	1.033E+03	8.873E+02	3.103E+04	1.870E+05	1.429E+05
Z	4	3	3	2	1	1	4	3	3	2	1	1
Z MAXIMUM	2.400E+03	2.976E+02	4.458E+02	8.323E+03	9.471E+04	5.536E+04	2.400E+03	2.976E+02	4.458E+02	8.323E+03	8.229E+04	6.267E+04
GRAND TOTAL	7.141E+03	1.490E+03	1.555E+03	4.720E+04	2.875E+05	2.110E+05	7.141E+03	1.490E+03	1.555E+03	4.720E+04	2.650E+05	2.531E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 39)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	1	2	1	2	1	2	1	2	1	2
X MAXIMUM	2.382E+03	1.263E+02	7.215E+02	1.771E+04	1.005E+05	8.148E+04	2.382E+03	1.263E+02	7.215E+02	1.771E+04	7.752E+04	8.551E+04
Y	1	8	1	2	1	2	1	8	1	2	1	2
Y MAXIMUM	4.432E+03	3.325E+02	1.342E+03	3.105E+04	1.870E+05	1.429E+05	4.432E+03	3.325E+02	1.342E+03	3.105E+04	1.442E+05	1.499E+05
Z	4	8	1	2	1	1	4	8	1	2	1	1
Z MAXIMUM	2.600E+03	2.239E+02	5.908E+02	8.329E+03	8.229E+04	6.267E+04	2.600E+03	2.239E+02	5.908E+02	8.329E+03	6.347E+04	6.484E+04
GRAND TOTAL	7.469E+03	6.796E+02	1.820E+03	4.720E+04	2.650E+05	2.531E+05	7.469E+03	6.796E+02	1.820E+03	4.720E+04	2.193E+05	2.630E+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)
X	1	2	1	2	1	2	1	2	1	2	1	1
X MAXIMUM	2.419E+03	4.064E+02	9.503E+02	1.769E+04	7.752E+04	8.551E+04	2.419E+03	4.064E+02	9.503E+02	1.769E+04	4.732E+04	7.466E+04
Y	1	2	1	2	1	2	1	2	1	2	1	1
Y MAXIMUM	4.502E+03	7.124E+02	1.768E+03	3.101E+04	1.442E+05	1.499E+05	4.502E+03	7.124E+02	1.768E+03	3.101E+04	8.804E+04	1.389E+05
Z	4	8	1	2	1	1	4	8	1	2	3	1
Z MAXIMUM	2.799E+03	2.963E+02	7.781E+02	8.318E+03	6.347E+04	6.484E+04	2.799E+03	2.963E+02	7.781E+02	8.318E+03	5.297E+04	6.114E+04
GRAND TOTAL	7.811E+03	1.183E+03	2.455E+03	4.719E+04	2.193E+05	2.630E+05	7.811E+03	1.183E+03	2.455E+03	4.719E+04	1.498E+05	2.380E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 41)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	1	2	1	1	1	2	1	2	3	1
X MAXIMUM	2.461E+03	1.048E+03	1.176E+03	1.770E+04	4.732E+04	7.466E+04	2.461E+03	1.048E+03	1.176E+03	1.770E+04	1.765E+04	5.829E+04
Y	1	2	1	2	1	1	1	2	1	2	3	1
Y MAXIMUM	4.578E+03	1.837E+03	2.188E+03	3.102E+04	8.804E+04	1.389E+05	4.578E+03	1.837E+03	2.188E+03	3.102E+04	3.215E+04	1.084E+05
Z	4	2	1	2	3	1	4	2	1	2	3	1
Z MAXIMUM	3.022E+03	4.929E+02	9.631E+02	8.322E+03	5.297E+04	6.114E+04	3.022E+03	4.929E+02	9.631E+02	8.322E+03	2.865E+04	4.773E+04
GRAND TOTAL	8.207E+03	2.518E+03	3.246E+03	4.719E+04	1.498E+05	2.380E+05	8.207E+03	2.518E+03	3.246E+03	4.719E+04	5.556E+04	1.675E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 42)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	1	1	3	1	1	4	1	1	3	1	1
X MAXIMUM	2.025E+03	2.271E+03	1.354E+03	9.892E+03	2.227E+04	3.741E+04	2.025E+03	2.271E+03	1.354E+03	9.892E+03	4.166E+04	4.890E+03
Y	2	1	1	3	1	1	2	1	1	3	1	1
Y MAXIMUM	3.059E+03	4.226E+03	2.519E+03	1.802E+04	4.144E+04	6.961E+04	3.059E+03	4.226E+03	2.519E+03	1.802E+04	7.752E+04	9.099E+03
Z	4	4	1	3	4	1	4	4	1	3	1	8
Z MAXIMUM	2.692E+03	1.921E+03	1.109E+03	1.606E+04	1.994E+04	3.063E+04	2.692E+03	1.921E+03	1.109E+03	1.606E+04	3.411E+04	5.154E+03
GRAND TOTAL	6.803E+03	6.784E+03	3.865E+03	3.668E+04	7.391E+04	1.055E+05	6.803E+03	6.784E+03	3.865E+03	3.668E+04	1.136E+05	1.937E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 43)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	3	1	3	1	1	2	3	1	3	2
X MAXIMUM	1.348E+03	2.535E+03	3.483E+02	3.920E+04	2.477E+04	6.128E+04	1.348E+03	2.535E+03	3.483E+02	3.920E+04	1.589E+04	9.252E+04
Y	1	2	3	1	3	1	1	2	3	1	3	2
Y MAXIMUM	2.508E+03	4.444E+03	6.344E+02	7.294E+04	4.512E+04	1.140E+05	2.508E+03	4.444E+03	6.344E+02	7.294E+04	2.894E+04	1.622E+05
Z	1	2	3	4	3	1	1	2	3	4	3	1
Z MAXIMUM	1.104E+03	1.192E+03	5.654E+02	3.528E+04	4.021E+04	5.018E+04	1.104E+03	1.192E+03	5.654E+02	3.528E+04	2.579E+04	7.014E+04
GRAND TOTAL	3.911E+03	5.936E+03	1.097E+03	1.239E+05	7.816E+04	1.570E+05	3.911E+03	5.936E+03	1.097E+03	1.239E+05	5.018E+04	2.759E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 44)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	3	1	3	2	1	2	3	1	3	2
X MAXIMUM	1.348E+03	2.750E+03	3.542E+02	3.920E+04	1.589E+04	9.252E+04	1.348E+03	2.750E+03	3.542E+02	3.920E+04	6.853E+03	1.626E+05
Y	1	2	3	1	3	2	1	2	3	1	3	2
Y MAXIMUM	2.509E+03	4.821E+03	6.453E+02	7.294E+04	2.894E+04	1.622E+05	2.509E+03	4.821E+03	6.453E+02	7.294E+04	1.248E+04	2.851E+05
Z	1	2	3	4	3	1	1	2	3	4	3	1
Z MAXIMUM	1.104E+03	1.293E+03	5.751E+02	3.529E+04	2.579E+04	7.014E+04	1.104E+03	1.293E+03	5.751E+02	3.529E+04	1.113E+04	9.142E+04
GRAND TOTAL	3.913E+03	6.473E+03	1.118E+03	1.238E+05	5.018E+04	2.759E+05	3.913E+03	6.473E+03	1.118E+03	1.238E+05	2.168E+04	4.290E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 45)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	3	1	3	2	1	2	3	1	3	2
X MAXIMUM	1.348E+03	2.856E+03	3.598E+02	3.920E+04	6.853E+03	1.626E+05	1.348E+03	2.856E+03	3.598E+02	3.920E+04	2.321E+03	2.355E+05
Y	1	2	3	1	3	2	1	2	3	1	3	2
Y MAXIMUM	2.509E+03	5.008E+03	6.554E+02	7.294E+04	1.248E+04	2.851E+05	2.509E+03	5.008E+03	6.554E+02	7.294E+04	4.228E+03	4.128E+05
Z	1	2	3	4	3	1	1	2	3	4	3	1
Z MAXIMUM	1.104E+03	1.343E+03	5.841E+02	3.528E+04	1.113E+04	9.142E+04	1.104E+03	1.343E+03	5.841E+02	3.528E+04	3.768E+03	1.133E+05
GRAND TOTAL	3.915E+03	6.742E+03	1.137E+03	1.239E+05	2.168E+04	4.289E+05	3.915E+03	6.742E+03	1.137E+03	1.239E+05	7.326E+03	5.950E+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)
X	1	2	6	2	1	1	1	2	6	2	1	1
X MAXIMUM	2.269E+03	1.189E+03	5.603E+02	1.770E+04	1.240E+05	3.674E+04	2.269E+03	1.189E+03	5.603E+02	1.770E+04	1.232E+05	5.375E+04
Y	1	2	3	2	1	1	1	2	3	2	1	1
Y MAXIMUM	4.223E+03	2.085E+03	9.612E+02	3.103E+04	2.308E+05	6.836E+04	4.223E+03	2.085E+03	9.612E+02	3.103E+04	2.293E+05	1.000E+05
Z	4	3	3	2	1	1	4	3	3	2	1	1
Z MAXIMUM	1.995E+03	5.756E+02	8.566E+02	8.323E+03	1.015E+05	3.008E+04	1.995E+03	5.756E+02	8.566E+02	8.323E+03	1.009E+05	4.401E+04
GRAND TOTAL	6.530E+03	2.977E+03	2.226E+03	4.720E+04	2.946E+05	8.879E+04	6.530E+03	2.977E+03	2.226E+03	4.720E+04	2.936E+05	1.463E+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)
X	1	2	3	2	1	1	1	2	3	2	1	1
X MAXIMUM	2.307E+03	9.514E+02	4.328E+02	1.770E+04	1.232E+05	5.375E+04	2.307E+03	9.514E+02	4.328E+02	1.770E+04	1.157E+05	6.761E+04
Y	1	2	3	2	1	1	1	2	3	2	1	1
Y MAXIMUM	4.293E+03	1.668E+03	7.883E+02	3.103E+04	2.293E+05	1.000E+05	4.293E+03	1.668E+03	7.883E+02	3.103E+04	2.152E+05	1.258E+05
Z	4	3	3	2	1	1	4	3	3	2	1	1
Z MAXIMUM	2.198E+03	4.548E+02	7.026E+02	8.323E+03	1.009E+05	4.401E+04	2.198E+03	4.548E+02	7.026E+02	8.323E+03	9.471E+04	5.536E+04
GRAND TOTAL	6.827E+03	2.355E+03	1.802E+03	4.720E+04	2.936E+05	1.463E+05	6.827E+03	2.355E+03	1.802E+03	4.720E+04	2.875E+05	2.110E+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)
X	1	2	1	2	1	1	1	2	1	2	1	2
X MAXIMUM	2.345E+03	5.892E+02	4.769E+02	1.770E+04	1.157E+05	6.761E+04	2.345E+03	5.892E+02	4.769E+02	1.770E+04	1.005E+05	8.149E+04
Y	1	2	1	2	1	1	1	2	1	2	1	2
Y MAXIMUM	4.363E+03	1.033E+03	8.873E+02	3.103E+04	2.152E+05	1.258E+05	4.363E+03	1.033E+03	8.873E+02	3.103E+04	1.870E+05	1.429E+05
Z	4	3	3	2	1	1	4	3	3	2	1	1
Z MAXIMUM	2.400E+03	2.976E+02	4.458E+02	8.323E+03	9.471E+04	5.536E+04	2.400E+03	2.976E+02	4.458E+02	8.323E+03	8.229E+04	6.267E+04
GRAND TOTAL	7.141E+03	1.490E+03	1.555E+03	4.720E+04	2.875E+05	2.110E+05	7.141E+03	1.490E+03	1.555E+03	4.720E+04	2.650E+05	2.531E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 39)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	1	2	1	2	1	2	1	2	1	2
X MAXIMUM	2.382E+03	1.263E+02	7.215E+02	1.771E+04	1.005E+05	8.148E+04	2.382E+03	1.263E+02	7.215E+02	1.771E+04	7.752E+04	8.551E+04
Y	1	8	1	2	1	2	1	8	1	2	1	2
Y MAXIMUM	4.432E+03	3.325E+02	1.342E+03	3.105E+04	1.870E+05	1.429E+05	4.432E+03	3.325E+02	1.342E+03	3.105E+04	1.442E+05	1.499E+05
Z	4	8	1	2	1	1	4	8	1	2	1	1
Z MAXIMUM	2.600E+03	2.239E+02	5.908E+02	8.329E+03	8.229E+04	6.267E+04	2.600E+03	2.239E+02	5.908E+02	8.329E+03	6.347E+04	6.484E+04
GRAND TOTAL	7.469E+03	6.796E+02	1.820E+03	4.720E+04	2.650E+05	2.531E+05	7.469E+03	6.796E+02	1.820E+03	4.720E+04	2.193E+05	2.630E+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)
X	1	2	1	2	1	2	1	2	1	2	1	1
X MAXIMUM	2.419E+03	4.064E+02	9.503E+02	1.769E+04	7.752E+04	8.551E+04	2.419E+03	4.064E+02	9.503E+02	1.769E+04	4.732E+04	7.466E+04
Y	1	2	1	2	1	2	1	2	1	2	1	1
Y MAXIMUM	4.502E+03	7.124E+02	1.708E+03	3.101E+04	1.442E+05	1.499E+05	4.502E+03	7.124E+02	1.768E+03	3.101E+04	8.804E+04	1.389E+05
Z	4	8	1	2	1	1	4	8	1	2	3	1
Z MAXIMUM	2.799E+03	2.963E+02	7.781E+02	8.318E+03	6.347E+04	6.484E+04	2.799E+03	2.963E+02	7.781E+02	8.318E+03	5.297E+04	6.114E+04
GRAND TOTAL	7.811E+03	1.183E+03	2.455E+03	4.719E+04	2.193E+05	2.630E+05	7.811E+03	1.183E+03	2.455E+03	4.719E+04	1.498E+05	2.380E+05



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 41)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	1	2	1	1	1	2	1	2	3	1
X MAXIMUM	2.461E+03	1.048E+03	1.176E+03	1.770E+04	4.732E+04	7.466E+04	2.461E+03	1.048E+03	1.176E+03	1.770E+04	1.765E+04	5.829E+04
Y	1	2	1	2	1	1	1	2	1	2	3	1
Y MAXIMUM	4.578E+03	1.837E+03	2.188E+03	3.102E+04	8.804E+04	1.389E+05	4.578E+03	1.837E+03	2.188E+03	3.102E+04	3.215E+04	1.084E+05
Z	4	2	1	2	3	1	4	2	1	2	3	1
Z MAXIMUM	3.022E+03	4.929E+02	9.631E+02	8.322E+03	5.297E+04	6.114E+04	3.022E+03	4.929E+02	9.631E+02	8.322E+03	2.865E+04	4.773E+04
GRAND TOTAL	8.207E+03	2.518E+03	3.246E+03	4.719E+04	1.498E+05	2.380E+05	8.207E+03	2.518E+03	3.246E+03	4.719E+04	5.556E+04	1.675E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 42)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	1	1	3	1	1	4	1	1	3	1	1
X MAXIMUM	2.025E+03	2.271E+03	1.354E+03	9.892E+03	2.227E+04	3.741E+04	2.025E+03	2.271E+03	1.354E+03	9.892E+03	4.166E+04	4.890E+03
Y	2	1	1	3	1	1	2	1	1	3	1	1
Y MAXIMUM	3.059E+03	4.226E+03	2.519E+03	1.802E+04	4.144E+04	6.961E+04	3.059E+03	4.226E+03	2.519E+03	1.802E+04	7.752E+04	9.099E+03
Z	4	4	1	3	4	1	4	4	1	3	1	8
Z MAXIMUM	2.692E+03	1.921E+03	1.109E+03	1.606E+04	1.994E+04	3.063E+04	2.692E+03	1.921E+03	1.109E+03	1.606E+04	3.411E+04	5.154E+03
GRAND TOTAL	6.803E+03	6.784E+03	3.865E+03	3.668E+04	7.391E+04	1.055E+05	6.803E+03	6.784E+03	3.865E+03	3.668E+04	1.136E+05	1.937E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 43)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	3	1	3	1	1	2	3	1	3	2
X MAXIMUM	1.348E+03	2.535E+03	3.483E+02	3.920E+04	2.477E+04	6.128E+04	1.348E+03	2.535E+03	3.483E+02	3.920E+04	1.589E+04	9.252E+04
Y	1	2	3	1	3	1	1	2	3	1	3	2
Y MAXIMUM	2.509E+03	4.444E+03	6.344E+02	7.294E+04	4.512E+04	1.140E+05	2.509E+03	4.444E+03	6.344E+02	7.294E+04	2.894E+04	1.622E+05
Z	1	2	3	4	3	1	1	2	3	4	3	1
Z MAXIMUM	1.104E+03	1.192E+03	5.654E+02	3.528E+04	4.021E+04	5.018E+04	1.104E+03	1.192E+03	5.654E+02	3.528E+04	2.579E+04	7.014E+04
GRAND TOTAL	3.911E+03	5.936E+03	1.097E+03	1.239E+05	7.816E+04	1.570E+05	3.911E+03	5.936E+03	1.097E+03	1.239E+05	5.018E+04	2.759E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 44)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	3	1	3	2	1	2	3	1	3	2
X MAXIMUM	1.348E+03	2.750E+03	3.542E+02	3.920E+04	1.589E+04	9.252E+04	1.348E+03	2.750E+03	3.542E+02	3.920E+04	6.853E+03	1.626E+05
Y	1	2	3	1	3	2	1	2	3	1	3	2
Y MAXIMUM	2.509E+03	4.821E+03	6.453E+02	7.294E+04	2.894E+04	1.622E+05	2.509E+03	4.821E+03	6.453E+02	7.294E+04	1.248E+04	2.851E+05
Z	1	2	3	4	3	1	1	2	3	4	3	1
Z MAXIMUM	1.104E+03	1.293E+03	5.751E+02	3.529E+04	2.579E+04	7.014E+04	1.104E+03	1.293E+03	5.751E+02	3.529E+04	1.113E+04	9.142E+04
GRAND TOTAL	3.913E+03	6.473E+03	1.118E+03	1.238E+05	5.018E+04	2.759E+05	3.913E+03	6.473E+03	1.118E+03	1.238E+05	2.168E+04	4.290E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 45)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	3	1	3	2	1	2	3	1	3	2
X MAXIMUM	1.348E+03	2.856E+03	3.598E+02	3.920E+04	6.853E+03	1.626E+05	1.348E+03	2.856E+03	3.598E+02	3.920E+04	2.321E+03	2.355E+05
Y	1	2	3	1	3	2	1	2	3	1	3	2
Y MAXIMUM	2.509E+03	5.008E+03	6.554E+02	7.294E+04	1.248E+04	2.851E+05	2.509E+03	5.008E+03	6.554E+02	7.294E+04	4.228E+03	4.128E+05
Z	1	2	3	4	3	1	1	2	3	4	3	1
Z MAXIMUM	1.104E+03	1.343E+03	5.841E+02	3.528E+04	1.113E+04	9.142E+04	1.104E+03	1.343E+03	5.841E+02	3.528E+04	3.768E+03	1.133E+05
GRAND TOTAL	3.915E+03	6.742E+03	1.137E+03	1.239E+05	2.168E+04	4.289E+05	3.915E+03	6.742E+03	1.137E+03	1.239E+05	7.326E+03	5.950E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 46)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	2	3	1	3	2	1	2	3	1	3	2
X MAXIMUM	1.348E+03	2.886E+03	3.621E+02	3.920E+04	2.321E+03	2.355E+05	1.348E+03	2.886E+03	3.621E+02	3.920E+04	1.155E+04	3.091E+05
Y	1	2	3	1	3	2	1	2	3	1	3	2
Y MAXIMUM	2.509E+03	5.061E+03	6.596E+02	7.294E+04	4.228E+03	4.128E+05	2.509E+03	5.061E+03	6.596E+02	7.294E+04	2.105E+04	5.419E+05
Z	1	2	3	4	3	1	1	2	3	4	3	2
Z MAXIMUM	1.104E+03	1.357E+03	5.878E+02	3.528E+04	3.768E+03	1.133E+05	1.104E+03	1.357E+03	5.878E+02	3.528E+04	1.876E+04	1.454E+05
GRAND TOTAL	3.916E+03	6.819E+03	1.145E+03	1.239E+05	7.326E+03	5.950E+05	3.916E+03	6.819E+03	1.145E+03	1.239E+05	3.654E+04	7.655E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 47)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	11	5	1	1	1	11	11	11	1	1	1	11
X MAXIMUM	4.689E+03	2.747E+02	3.612E+01	9.429E+03	3.323E+03	4.297E+04	4.665E+03	5.219E+02	3.612E+01	9.859E+03	2.147E+03	4.152E+04
Y	14	5	1	1	1	5	14	5	1	1	7	5
Y MAXIMUM	2.350E+02	0.760E+01	6.721E+01	1.754E+04	6.183E+03	8.817E+03	2.377E+02	9.666E+01	6.721E+01	1.834E+04	7.653E+03	9.688E+03
Z	11	5	1	1	1	5	11	5	1	1	1	5
Z MAXIMUM	1.900E+03	3.961E+02	2.958E+01	7.720E+03	2.721E+03	3.987E+04	1.890E+03	4.370E+02	2.958E+01	8.073E+03	1.758E+03	4.380E+04
GRAND TOTAL	5.128E+03	5.573E+02	9.669E+01	2.559E+04	1.073E+04	6.877E+04	5.097E+03	7.928E+02	9.669E+01	2.584E+04	1.093E+04	7.151E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 47)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	11	1	1	14	5
X MAXIMUM	4.526E+03	1.245E+03	3.612E+01	1.010E+04	2.159E+03	3.335E+04
Y	14	5	1	1	7	5
Y MAXIMUM	2.346E+02	1.033E+02	6.721E+01	1.879E+04	9.618E+03	1.063E+04
Z	11	11	1	1	15	5
Z MAXIMUM	1.834E+03	5.045E+02	2.958E+01	8.270E+03	1.357E+03	4.807E+04
GRAND TOTAL	4.942E+03	1.479E+03	9.669E+01	2.564E+04	1.200E+04	7.084E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 48)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	11	11	14	1	1	5	11	11	14	1	1	5
X MAXIMUM	3.824E+03	1.647E+03	1.300E+02	1.014E+04	1.156E+04	2.436E+04	4.120E+03	5.969E+02	1.300E+02	1.279E+04	8.501E+03	2.953E+04
Y	14	5	7	1	1	5	14	14	7	1	1	5
Y MAXIMUM	2.896E+02	1.330E+02	9.274E+02	1.887E+04	2.151E+04	7.768E+03	2.787E+02	7.855E+01	9.274E+02	2.380E+04	1.782E+04	9.416E+03
Z	11	11	10	1	1	5	11	5	10	1	1	5
Z MAXIMUM	1.549E+03	6.671E+02	1.023E+02	8.304E+03	9.464E+03	3.512E+04	1.669E+03	3.388E+02	1.023E+02	1.047E+04	6.961E+03	4.257E+04
GRAND TOTAL	4.365E+03	1.942E+03	1.042E+03	2.574E+04	2.797E+04	4.522E+04	4.712E+03	7.868E+02	1.042E+03	3.100E+04	2.708E+04	5.794E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 48)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	11	14	1	14	5
X MAXIMUM	4.134E+03	4.936E+02	1.300E+02	1.456E+04	6.376E+03	3.169E+04
Y	6	14	7	1	7	5
Y MAXIMUM	2.787E+02	1.482E+02	9.274E+02	2.709E+04	2.879E+04	1.010E+04
Z	11	11	10	1	10	5
Z MAXIMUM	1.675E+03	2.000E+02	1.023E+02	1.192E+04	4.127E+03	4.568E+04
GRAND TOTAL	4.738E+03	6.159E+02	1.042E+03	3.421E+04	3.715E+04	6.163E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 49)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	5	10	1	1	1	1	5	10	1	1	1
X MAXIMUM	1.464E+03	2.122E+02	1.490E+02	1.455E+04	1.309E+04	8.802E+03	1.466E+03	2.179E+02	1.490E+02	1.550E+04	1.250E+04	8.906E+03
Y	1	14	7	1	7	1	1	14	7	1	7	1
Y MAXIMUM	2.724E+03	2.164E+02	1.200E+03	2.706E+04	5.616E+04	1.638E+04	2.727E+03	1.500E+02	1.200E+03	2.884E+04	5.084E+04	1.657E+04
Z	1	5	8	1	1	9	1	5	8	1	1	9
Z MAXIMUM	1.199E+03	3.059E+02	1.320E+02	1.191E+04	1.072E+04	7.661E+03	1.200E+03	3.141E+02	1.320E+02	1.269E+04	1.024E+04	7.307E+03
GRAND TOTAL	5.006E+03	5.892E+02	1.310E+03	3.418E+04	6.627E+04	3.451E+04	5.014E+03	5.177E+02	1.310E+03	3.617E+04	6.077E+04	3.379E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 49)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	5	10	1	1	1
X MAXIMUM	1.459E+03	2.224E+02	1.490E+02	1.640E+04	1.184E+04	8.525E+03
Y	1	1	7	1	7	1
Y MAXIMUM	2.715E+03	2.604E+02	1.200E+03	3.052E+04	4.524E+04	1.586E+04
Z	1	5	8	1	1	1
Z MAXIMUM	1.195E+03	3.206E+02	1.320E+02	1.343E+04	9.695E+03	6.980E+03
GRAND TOTAL	4.994E+03	6.810E+02	1.310E+03	3.847E+04	5.501E+04	3.186E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	1	1	1	1	1	1	2	1	1	2	1
X MAXIMUM	1.594E+03	1.015E+03	1.479E+03	5.703E+04	5.371E+04	5.359E+04	1.845E+03	5.718E+02	1.479E+03	8.610E+04	1.802E+04	5.809E+04
Y	1	1	1	1	1	1	1	2	1	1	2	1
Y MAXIMUM	2.967E+03	1.888E+03	2.752E+03	1.061E+05	9.993E+04	9.971E+04	3.432E+03	1.003E+03	2.752E+03	1.602E+05	3.159E+04	1.081E+05
Z	1	1	1	1	1	1	1	4	1	1	3	1
Z MAXIMUM	1.306E+03	8.307E+02	1.211E+03	4.670E+04	4.398E+04	4.388E+04	1.511E+03	5.491E+02	1.211E+03	7.050E+04	1.536E+04	4.757E+04
GRAND TOTAL	4.942E+03	2.638E+03	3.537E+03	1.311E+05	1.329E+05	1.464E+05	5.290E+03	1.846E+03	3.537E+03	1.977E+05	6.651E+04	1.532E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	1	1	1	1	1
X MAXIMUM	1.014E+03	1.594E+03	1.479E+03	8.033E+04	3.041E+04	4.315E+04
Y	1	1	1	1	1	1
Y MAXIMUM	1.888E+03	2.967E+03	2.752E+03	1.495E+05	5.658E+04	8.029E+04
Z	1	1	1	1	1	1
Z MAXIMUM	8.307E+02	1.306E+03	1.211E+03	6.578E+04	2.490E+04	3.533E+04
GRAND TOTAL	2.638E+03	4.942E+03	3.537E+03	1.928E+05	7.355E+04	1.066E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 51)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	1	1	1	2	2	1	2	1	1	1	2
X MAXIMUM	1.027E+03	1.191E+03	1.074E+03	8.033E+04	2.199E+04	1.490E+04	1.568E+03	4.896E+02	1.074E+03	5.042E+04	7.120E+04	2.646E+04
Y	1	1	1	1	2	2	1	2	1	1	1	2
Y MAXIMUM	1.910E+03	2.217E+03	1.999E+03	1.495E+05	3.855E+04	2.612E+04	2.918E+03	8.583E+02	1.999E+03	9.381E+04	1.325E+05	4.640E+04
Z	1	1	1	1	2	4	1	4	1	1	1	4
Z MAXIMUM	8.406E+02	9.755E+02	8.798E+02	6.578E+04	1.034E+04	1.171E+04	1.284E+03	5.571E+02	8.798E+02	4.128E+04	5.830E+04	2.297E+04
GRAND TOTAL	2.690E+03	3.922E+03	2.753E+03	1.928E+05	4.772E+04	4.215E+04	4.519E+03	1.484E+03	2.753E+03	1.207E+05	1.796E+05	7.522E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 51)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	1	1	2	1	2
X MAXIMUM	1.191E+03	1.027E+03	1.074E+03	2.825E+04	9.967E+04	2.736E+04
Y	1	1	1	2	1	2
Y MAXIMUM	2.217E+03	1.910E+03	1.999E+03	4.953E+04	1.855E+05	4.797E+04
Z	1	1	1	1	1	4
Z MAXIMUM	9.755E+02	8.406E+02	8.798E+02	1.667E+04	8.162E+04	2.590E+04
GRAND TOTAL	3.922E+03	2.690E+03	2.753E+03	8.088E+04	2.358E+05	7.521E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 52)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	4	2	2	2	1	1	4	2	2	1	1
X MAXIMUM	1.899E+03	1.275E+03	1.288E+03	2.747E+04	3.314E+04	1.040E+05	2.131E+03	1.028E+03	1.288E+03	2.085E+04	2.521E+04	1.180E+05
Y	1	1	2	2	2	1	1	4	2	2	1	1
Y MAXIMUM	3.534E+03	2.197E+03	2.258E+03	4.817E+04	5.809E+04	1.935E+05	3.966E+03	1.456E+03	2.258E+03	3.656E+04	4.691E+04	2.195E+05
Z	1	4	3	1	3	1	1	4	3	1	1	1
Z MAXIMUM	1.555E+03	1.696E+03	6.493E+02	1.691E+04	2.525E+04	8.517E+04	1.745E+03	1.366E+03	6.493E+02	1.308E+04	2.064E+04	9.658E+04
GRAND TOTAL	5.332E+03	4.145E+03	3.265E+03	7.999E+04	8.625E+04	2.660E+05	5.945E+03	3.206E+03	3.265E+03	6.232E+04	7.748E+04	2.862E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 52)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	4	2	2	1	1
X MAXIMUM	2.232E+03	7.171E+02	1.288E+03	1.770E+04	3.674E+04	1.240E+05
Y	1	4	2	2	1	1
Y MAXIMUM	4.154E+03	1.016E+03	2.258E+03	3.103E+04	6.836E+04	2.308E+05
Z	1	4	3	2	1	1
Z MAXIMUM	1.828E+03	9.534E+02	6.493E+02	8.323E+03	3.008E+04	1.015E+05
GRAND TOTAL	6.262E+03	2.531E+03	3.265E+03	4.720E+04	8.879E+04	2.946E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	1	2	1	2	3	1	4	1	1	2	2	1
X MAXIMUM	2.492E+03	1.542E+03	1.304E+03	1.770E+04	1.765E+04	5.829E+04	2.342E+03	1.515E+03	1.304E+03	1.218E+04	1.628E+04	5.068E+04
Y	1	2	1	2	3	1	1	1	1	2	2	1
Y MAXIMUM	4.636E+03	2.704E+03	2.427E+03	3.103E+04	3.215E+04	1.084E+05	3.850E+03	2.819E+03	2.427E+03	2.136E+04	2.855E+04	9.431E+04
Z	4	2	1	2	3	1	4	1	1	3	3	1
Z MAXIMUM	3.188E+03	7.254E+02	1.068E+03	8.323E+03	2.866E+04	4.773E+04	3.114E+03	1.241E+03	1.068E+03	9.990E+03	2.078E+04	4.150E+04
GRAND TOTAL	8.513E+03	3.595E+03	3.689E+03	4.719E+04	5.556E+04	1.675E+05	7.981E+03	4.657E+03	3.689E+03	3.864E+04	6.179E+04	1.443E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	4	1	1	3	1	1
X MAXIMUM	1.930E+03	2.192E+03	1.304E+03	9.892E+03	2.227E+04	3.741E+04
Y	2	1	1	3	1	1
Y MAXIMUM	2.753E+03	4.078E+03	2.427E+03	1.802E+04	4.144E+04	6.961E+04
Z	4	4	1	3	4	1
Z MAXIMUM	2.566E+03	1.942E+03	1.068E+03	1.606E+04	1.994E+04	3.063E+04
GRAND TOTAL	6.529E+03	6.539E+03	3.689E+03	3.669E+04	7.391E+04	1.055E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 54)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	4	1	1	3	1	1	4	2	1	3	1	1
X MAXIMUM	2.165E+03	1.362E+03	2.393E+03	9.892E+03	4.378E+03	4.172E+04	1.991E+03	1.609E+03	2.393E+03	1.422E+04	2.672E+04	5.283E+04
Y	2	1	1	3	1	1	1	2	1	3	1	1
Y MAXIMUM	3.517E+03	2.534E+03	4.452E+03	1.802E+04	8.146E+03	7.762E+04	3.346E+03	2.821E+03	4.452E+03	2.590E+04	4.972E+04	9.829E+04
Z	4	1	1	3	8	1	4	3	1	3	1	1
Z MAXIMUM	2.879E+03	1.115E+03	1.959E+03	1.606E+04	5.135E+03	3.416E+04	2.647E+03	1.652E+03	1.959E+03	2.308E+04	2.188E+04	4.326E+04
GRAND TOTAL	7.247E+03	3.937E+03	7.115E+03	3.668E+04	1.893E+04	1.137E+05	6.604E+03	4.941E+03	7.115E+03	5.686E+04	7.204E+04	1.348E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 54)

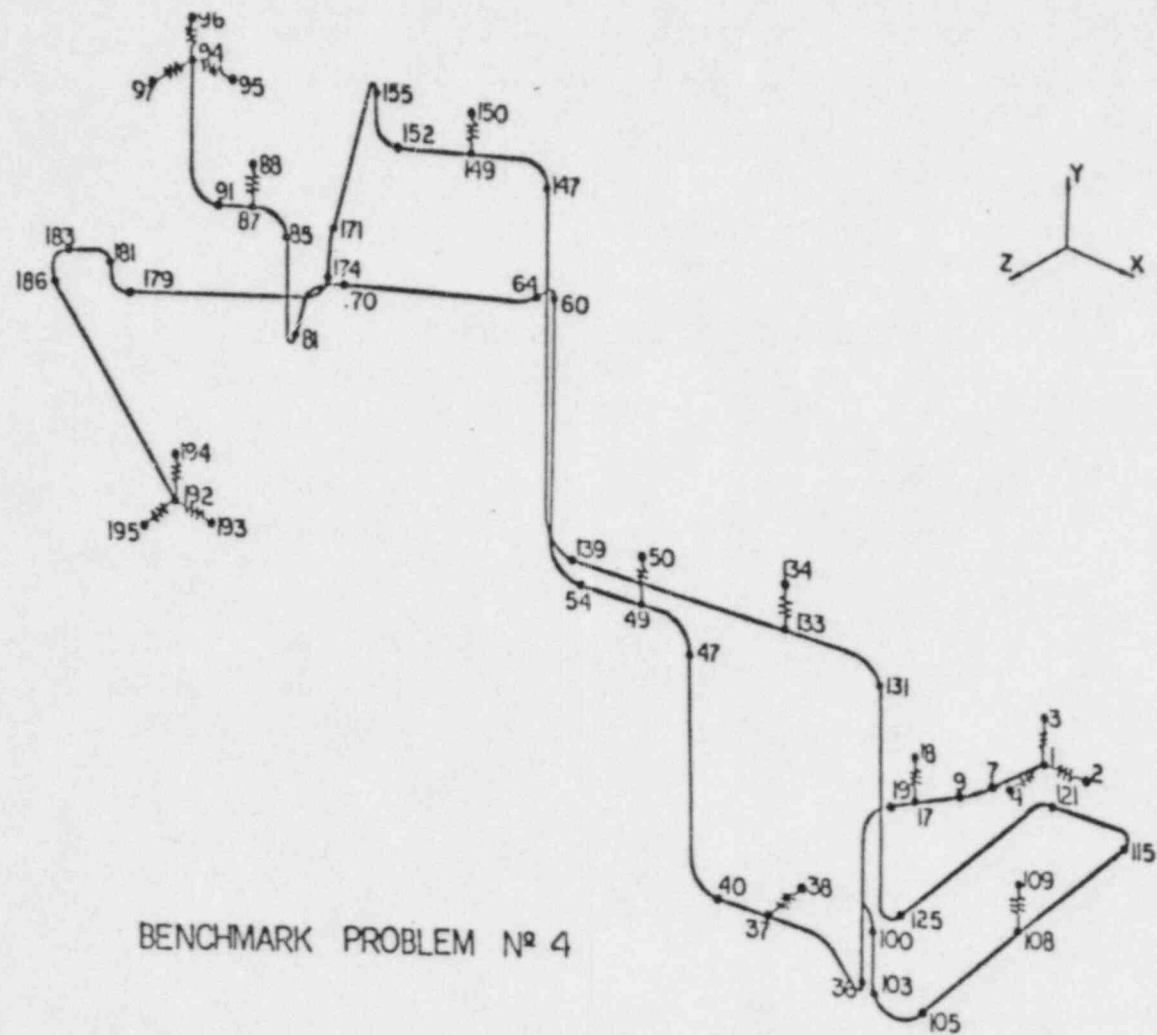
	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	1	4	1	1	1	1
X MAXIMUM	1.362E+03	2.165E+03	2.393E+03	3.969E+04	4.217E+04	4.497E+04
Y	1	2	1	1	1	1
Y MAXIMUM	2.534E+03	3.517E+03	4.452E+03	7.199E+04	7.846E+04	8.368E+04
Z	1	4	1	4	1	3
Z MAXIMUM	1.115E+03	2.879E+03	1.959E+03	3.501E+04	3.453E+04	4.526E+04
GRAND TOTAL	3.937E+03	7.247E+03	7.115E+03	1.226E+05	1.098E+05	1.379E+05

# SUMMARY OF SUPPORT FORCES/MOMENTS IN GLOBAL/LOCAL SYSTEMS

BDRY= BOUNDARY ELEMENTS (SPRING)  
 THAM= THERMAL ANCHOR MOTION  
 SEAM= SEISMIC ANCHOR MOTION  
 SNBR= SNUBBER ELEMENT

LOAD CASE	I	IND. SUP. MOT. BENCHMARK 3 ABS.	KIND OF SUPPORT	NODE NUMBER	FX	FY	GLOBAL COMPONENTS			MY	MZ	LOCAL COMPONENTS	
							FZ	MX				FL	ML
BDRY	49		BDRY	49	0.	5.	0.	0.		0.	0.	5.	0.
BDRY	55		BDRY	55	1325.	0.	9386.	0.		0.	0.	9479.	0.
BDRY	41		BDRY	41	3458.	0.	2472.	0.		0.	0.	4251.	0.
BDRY	41		BDRY	41	0.	4011.	0.	0.		0.	0.	4011.	0.
BDRY	5		BDRY	5	0.	832.	0.	0.		0.	0.	832.	0.
BDRY	8		BDRY	8	0.	1828.	0.	0.		0.	0.	1828.	0.
BDRY	14		BDRY	14	0.	1689.	0.	0.		0.	0.	1689.	0.
BDRY	20		BDRY	20	0.	2149.	0.	0.		0.	0.	2149.	0.
BDRY	25		BDRY	25	0.	2467.	0.	0.		0.	0.	2467.	0.
BDRY	29A		BDRY	29A	0.	4062.	0.	0.		0.	0.	4062.	0.
BDRY	37		BDRY	37	0.	2537.	0.	0.		0.	0.	2537.	0.
BDRY	1		BDRY	1	4353.	0.	0.	0.		0.	0.	4353.	0.
BDRY	1		BDRY	1	0.	168.	0.	0.		0.	0.	168.	0.
BDRY	1		BDRY	1	0.	0.	3376.	0.		0.	0.	3376.	0.
BDRY	1		BDRY	1	0.	0.	0.	19332.		0.	0.	19332.	0.
BDRY	1		BDRY	1	0.	0.	0.	0.		122089.	0.	122089.	0.
BDRY	1		BDRY	1	0.	0.	0.	0.		0.	18507.	18507.	0.
BDRY	59		BDRY	59	3937.	0.	0.	0.		0.	0.	3937.	0.
BDRY	59		BDRY	59	0.	6819.	0.	0.		0.	0.	6819.	0.
BDRY	59		BDRY	59	0.	0.	1069.	0.		0.	0.	1069.	0.
BDRY	59		BDRY	59	0.	0.	0.	121079.		0.	0.	121079.	0.
BDRY	59		BDRY	59	0.	0.	0.	0.		36536.	0.	36536.	0.
BDRY	59		BDRY	59	0.	0.	0.	0.		0.	765904.	765904.	0.
SNBR	13		SNBR	13	6859.	0.	318.	0.		0.	0.	6866.	0.
SNBR	14A		SNBR	14A	59.	0.	1275.	0.		0.	0.	1276.	0.
SNBR	18		SNBR	18	50.	0.	490.	0.		0.	0.	492.	0.
SNBR	29		SNBR	29	3677.	0.	5155.	0.		0.	0.	6332.	0.
SNBR	32		SNBR	32	6848.	0.	4891.	0.		0.	0.	8416.	0.

Problem 4



BENCHMARK PROBLEM N° 4

IND. SUP. MOT. BENCHMARK PROB. 4, ENVELOPE SPECTRA

CONTROL INFORMATION

NUMBER OF NODAL POINTS = 195  
 NUMBER OF ELEMENT TYPES = 2  
 NUMBER OF STATIC LOAD CASES = 0  
 NUMBER OF DYNAMIC LOAD CASES = 4  
 SEISMIC ANCHOR MOVEMENT CASES = 0  
 EQ.0 NO  
 EQ.1 SINGLE ANALYSIS  
 EQ.3 EACH DIRECTION  
 ANALYSED SEPARATELY  
 NUMBER OF FREQUENCIES = 50  
 SOLUTION MODE (MODEX) = 0  
 EQ.0, EXECUTION  
 EQ.1, DATA CHECK  
 STRESS CALCULATION FLAG = 0  
 EQ.0 NO  
 EQ.1 YES  
 ASME CODE EVALUATION FLAG = 0  
 EQ.1 CLASS 1 PIPING  
 EQ.2 CLASS2 OR CLASS 3 PIPING  
 ACCELERATION GRAVITY = 386.

ANALYSIS CODE INFORMATION

EQ.0, STATIC  
 EQ.1, ANCHOR MOVEMENTS  
 EQ.2, FORCED RESPONSE  
 EQ.3, RESPONSE SPECTRUM  
 EQ.4, DIRECT INTEGRATION  
 EQ.5, MULTIPLE TIME HISTORY  
 EQ.6, MULTIPLE SPECTRUM

CASE CODE

1	6
2	6
3	3
4	3

NODAL POINT INPUT DATA

NODE NUMBER	BOUNDARY CONDITION CODES					
	X	Y	Z	XX	YY	ZZ
1	0	0	0	1	1	1
2	1	1	1	1	1	1
3	1	1	1	1	1	1
4	1	1	1	1	1	1
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

NODAL POINT COORDINATES

NODAL POINT COORDINATES			T
X	Y	Z	
-203.808	4715.952	139.224	0.000
-215.808	4715.952	139.224	0.000
-203.808	4703.952	139.224	0.000
-203.808	4715.952	127.224	0.000
-203.268	4719.852	154.860	0.000
-202.308	4726.800	182.748	0.000
-202.008	4728.948	191.340	0.000
-201.876	4729.392	194.916	0.000
-201.888	4729.392	194.988	0.000
-205.908	4729.392	205.740	0.000



11	0	0	0	0	0	0	-210.036	4729.392	210.168	0	0.000
12	0	0	0	0	0	0	-212.160	4729.392	212.436	0	0.000
13	0	0	0	0	0	0	-213.324	4729.392	213.684	0	0.000
14	0	0	0	0	0	0	-220.968	4729.392	221.868	0	0.000
15	0	0	0	0	0	0	-220.968	4734.492	221.868	0	0.000
16	0	0	0	0	0	0	-231.888	4729.392	233.568	0	0.000
17	0	0	0	0	0	0	-233.952	4729.392	235.776	0	0.000
18	1	1	1	1	1	1	-233.952	4741.392	235.776	0	0.000
19	0	0	0	0	0	0	-235.980	4729.392	237.936	0	0.000
20	0	0	0	0	0	0	-246.204	4714.392	248.904	0	0.000
21	0	0	0	0	0	0	-246.204	4705.860	248.904	0	0.000
22	0	0	0	0	0	0	-246.204	4686.792	248.904	0	0.000
23	0	0	0	0	0	0	-246.204	4676.952	248.904	0	0.000
24	0	0	0	0	0	0	-246.204	4665.900	248.904	0	0.000
25	0	0	0	0	0	0	-246.204	4638.876	248.904	0	0.000
26	0	0	0	0	0	0	-246.204	4631.628	248.904	0	0.000
27	0	0	0	0	0	0	-246.204	4628.952	248.904	0	0.000
28	0	0	0	0	0	0	-256.812	4613.952	238.296	0	0.000
29	0	0	0	0	0	0	-263.004	4613.952	232.104	0	0.000
30	1	1	1	1	1	1	-263.004	4625.952	232.104	0	0.000
31	0	0	0	0	0	0	-264.048	4613.952	231.060	0	0.000
32	0	0	0	0	0	0	-275.352	4613.952	219.744	0	0.000
33	0	0	0	0	0	0	-275.352	4619.052	219.744	0	0.000
34	0	0	0	0	0	0	-286.668	4613.952	208.440	0	0.000
35	0	0	0	0	0	0	-291.996	4613.952	203.112	0	0.000
36	0	0	0	0	0	0	-302.604	4613.952	198.720	0	0.000
37	0	0	0	0	0	0	-314.988	4613.952	198.720	0	0.000
38	1	1	1	1	1	1	-314.988	4613.952	186.720	0	0.000
39	0	0	0	0	0	0	-340.380	4613.952	198.720	0	0.000
40	0	0	0	0	0	0	-366.000	4613.952	198.720	0	0.000
41	0	0	0	0	0	0	-381.000	4628.952	198.720	0	0.000
42	0	0	0	0	0	0	-381.000	4630.560	198.720	0	0.000
43	0	0	0	0	0	0	-381.000	4655.952	198.720	0	0.000
44	1	1	1	1	1	1	-369.035	4655.952	197.800	0	0.000
45	0	0	0	0	0	0	-381.000	4689.588	198.720	0	0.000
46	0	0	0	0	0	0	-381.000	4756.872	198.720	0	0.000
47	0	0	0	0	0	0	-381.000	4760.952	198.720	0	0.000
48	0	0	0	0	0	0	-396.000	4775.952	198.720	0	0.000
49	0	0	0	0	0	0	-399.000	4775.952	198.720	0	0.000
50	1	1	1	1	1	1	-399.000	4787.952	198.720	0	0.000
51	0	0	0	0	0	0	-402.600	4775.952	198.720	0	0.000
52	1	1	1	1	1	1	-402.600	4776.872	210.685	0	0.000
53	0	0	0	0	0	0	-440.904	4775.952	198.720	0	0.000
54	0	0	0	0	0	0	-450.512	4775.952	198.720	0	0.000
55	0	0	0	0	0	0	-465.612	4790.952	198.720	0	0.000
56	0	0	0	0	0	0	-465.612	4796.592	198.720	0	0.000
57	1	1	1	1	1	1	-453.643	4796.592	197.860	0	0.000
58	0	0	0	0	0	0	-465.612	4840.068	198.720	0	0.000
59	0	0	0	0	0	0	-465.612	4927.032	198.720	0	0.000
60	0	0	0	0	0	0	-465.612	4943.952	198.720	0	0.000
61	0	0	0	0	0	0	-459.864	4958.952	212.568	0	0.000
62	0	0	0	0	0	0	-458.712	4958.952	215.340	0	0.000
63	1	1	1	1	1	1	-458.712	4970.952	215.340	0	0.000
64	0	0	0	0	0	0	-455.748	4958.952	222.480	0	0.000
65	0	0	0	0	0	0	-463.860	4958.952	242.076	0	0.000



66	0	0	0	0	0	0	-484.044	4958.952	250.452	0	0.000
67	0	0	0	0	0	0	-533.124	4958.952	270.828	0	0.000
68	1	1	1	1	1	1	-537.724	4958.952	259.745	0	0.000
69	0	0	0	0	0	0	-552.516	4958.952	278.880	0	0.000
70	0	0	0	0	0	0	-552.600	4958.952	278.916	0	0.000
71	0	0	0	0	0	0	-560.652	4958.952	298.392	0	0.000
72	0	0	0	0	0	0	-559.464	4958.952	301.248	0	0.000
73	1	1	1	1	1	1	-559.464	4970.952	301.248	0	0.000
74	0	0	0	0	0	0	-558.312	4958.952	304.020	0	0.000
75	1	1	1	1	1	1	-553.866	4961.957	293.286	0	0.000
76	0	0	0	0	0	0	-554.868	4958.952	312.324	0	0.000
77	0	0	0	0	0	0	-548.736	4958.952	327.108	0	0.000
78	0	0	0	0	0	0	-548.736	4981.752	327.108	0	0.000
79	0	0	0	0	0	0	-546.708	4958.952	331.992	0	0.000
80	0	0	0	0	0	0	-542.604	4958.952	341.880	0	0.000
81	0	0	0	0	0	0	-538.152	4958.952	352.620	0	0.000
82	0	0	0	0	0	0	-532.404	4973.952	366.468	0	0.000
83	0	0	0	0	0	0	-532.404	4988.628	366.468	0	0.000
84	0	0	0	0	0	0	-532.404	5039.952	366.468	0	0.000
85	0	0	0	0	0	0	-532.404	5054.952	366.468	0	0.000
86	0	0	0	0	0	0	-546.168	5054.952	372.180	0	0.000
87	0	0	0	0	0	0	-551.904	5054.952	374.568	0	0.000
88	1	1	1	1	1	1	-551.904	5066.952	374.568	0	0.000
89	0	0	0	0	0	0	-560.988	5054.952	378.336	0	0.000
90	1	1	1	1	1	1	-560.988	5066.952	378.336	0	0.000
91	0	0	0	0	0	0	-565.128	5054.952	380.052	0	0.000
92	0	0	0	0	0	0	-578.988	5069.952	385.812	0	0.000
93	0	0	0	0	0	0	-578.988	5091.924	385.812	0	0.000
94	0	0	0	1	1	1	-578.988	5141.940	385.812	0	0.000
95	1	1	1	1	1	1	-590.988	5141.940	385.812	0	0.000
96	1	1	1	1	1	1	-578.988	5129.940	385.812	0	0.000
97	1	1	1	1	1	1	-578.988	5141.940	373.812	0	0.000
98	0	0	0	0	0	0	-242.400	4676.952	252.708	0	0.000
99	0	0	0	0	0	0	-242.382	4676.952	252.720	0	0.000
100	0	0	0	0	0	0	-238.434	4676.952	256.680	0	0.000
101	0	0	0	0	0	0	-232.056	4667.952	263.052	0	0.000
102	0	0	0	0	0	0	-232.056	4665.936	263.052	0	0.000
103	0	0	0	0	0	0	-232.056	4622.952	263.052	0	0.000
104	0	0	0	0	0	0	-225.696	4613.952	256.692	0	0.000
105	0	0	0	0	0	0	-218.688	4613.952	249.684	0	0.000
106	0	0	0	0	0	0	-216.048	4613.952	243.312	0	0.000
107	0	0	0	0	0	0	-216.048	4613.952	208.800	0	0.000
108	0	0	0	0	0	0	-216.048	4613.952	181.644	0	0.000
109	1	1	1	1	1	1	-216.048	4625.952	181.644	0	0.000
110	0	0	0	0	0	0	-216.048	4613.952	155.748	0	0.000
111	0	0	0	0	0	0	-216.048	4613.952	103.944	0	0.000
112	0	0	0	0	0	0	-216.048	4613.952	78.048	0	0.000
113	1	1	1	1	1	1	-204.048	4613.952	78.048	0	0.000
114	0	0	0	0	0	0	-216.048	4613.952	34.980	0	0.000
115	0	0	0	0	0	0	-216.048	4613.952	27.048	0	0.000
116	0	0	0	0	0	0	-225.048	4613.952	18.048	0	0.000
117	0	0	0	0	0	0	-231.048	4613.952	18.048	0	0.000
118	1	1	1	1	1	1	-231.048	4616.447	29.785	0	0.000
119	0	0	0	0	0	0	-246.048	4613.952	18.048	0	0.000
120	1	1	1	1	1	1	-246.048	4625.952	18.048	0	0.000

11	0	0	0	0	0	0	-210.036	4729.392	210.168	0	0.000
12	0	0	0	0	0	0	-212.160	4729.392	212.436	0	0.000
13	0	0	0	0	0	0	-213.324	4729.392	213.684	0	0.000
14	0	0	0	0	0	0	-220.968	4729.392	221.868	0	0.000
15	0	0	0	0	0	0	-220.968	4734.492	221.868	0	0.000
16	0	0	0	0	0	0	-231.888	4729.392	233.568	0	0.000
17	0	0	0	0	0	0	-233.952	4729.392	235.776	0	0.000
18	1	1	1	1	1	1	-233.952	4741.392	235.776	0	0.000
19	0	0	0	0	0	0	-235.980	4729.392	237.936	0	0.000
20	0	0	0	0	0	0	-246.204	4714.392	248.904	0	0.000
21	0	0	0	0	0	0	-246.204	4705.860	248.904	0	0.000
22	0	0	0	0	0	0	-246.204	4686.792	248.904	0	0.000
23	0	0	0	0	0	0	-246.204	4676.952	248.904	0	0.000
24	0	0	0	0	0	0	-246.204	4665.900	248.904	0	0.000
25	0	0	0	0	0	0	-246.204	4638.876	248.904	0	0.000
26	0	0	0	0	0	0	-246.204	4631.628	248.904	0	0.000
27	0	0	0	0	0	0	-246.204	4628.952	248.904	0	0.000
28	0	0	0	0	0	0	-256.812	4613.952	238.296	0	0.000
29	0	0	0	0	0	0	-263.004	4613.952	232.104	0	0.000
30	1	1	1	1	1	1	-263.004	4625.952	232.104	0	0.000
31	0	0	0	0	0	0	-264.048	4613.952	231.060	0	0.000
32	0	0	0	0	0	0	-275.352	4613.952	219.744	0	0.000
33	0	0	0	0	0	0	-275.352	4619.052	219.744	0	0.000
34	0	0	0	0	0	0	-286.668	4613.952	208.440	0	0.000
35	0	0	0	0	0	0	-291.996	4613.952	203.112	0	0.000
36	0	0	0	0	0	0	-302.604	4613.952	198.720	0	0.000
37	0	0	0	0	0	0	-314.988	4613.952	198.720	0	0.000
38	1	1	1	1	1	1	-314.988	4613.952	186.720	0	0.000
39	0	0	0	0	0	0	-340.380	4613.952	198.720	0	0.000
40	0	0	0	0	0	0	-366.000	4613.952	198.720	0	0.000
41	0	0	0	0	0	0	-381.000	4628.952	198.720	0	0.000
42	0	0	0	0	0	0	-381.000	4630.560	198.720	0	0.000
43	0	0	0	0	0	0	-381.000	4655.952	198.720	0	0.000
44	1	1	1	1	1	1	-369.035	4655.952	197.900	0	0.000
45	0	0	0	0	0	0	-381.000	4689.588	198.720	0	0.000
46	0	0	0	0	0	0	-381.000	4756.872	198.720	0	0.000
47	0	0	0	0	0	0	-381.000	4760.952	198.720	0	0.000
48	0	0	0	0	0	0	-396.000	4775.952	198.720	0	0.000
49	0	0	0	0	0	0	-399.000	4775.952	198.720	0	0.000
50	1	1	1	1	1	1	-399.000	4787.952	198.720	0	0.000
51	0	0	0	0	0	0	-402.600	4775.952	198.720	0	0.000
52	1	1	1	1	1	1	-402.600	4776.872	210.685	0	0.000
53	0	0	0	0	0	0	-440.904	4775.952	198.720	0	0.000
54	0	0	0	0	0	0	-450.612	4775.952	198.720	0	0.000
55	0	0	0	0	0	0	-465.612	4790.952	198.720	0	0.000
56	0	0	0	0	0	0	-465.612	4796.592	198.720	0	0.000
57	1	1	1	1	1	1	-453.643	4796.592	197.860	0	0.000
58	0	0	0	0	0	0	-465.612	4840.068	198.720	0	0.000
59	0	0	0	0	0	0	-465.612	4927.032	198.720	0	0.000
60	0	0	0	0	0	0	-465.612	4943.952	198.720	0	0.000
61	0	0	0	0	0	0	-459.864	4958.952	212.568	0	0.000
62	0	0	0	0	0	0	-458.712	4958.952	215.340	0	0.000
63	1	1	1	1	1	1	-458.712	4970.952	215.340	0	0.000
64	0	0	0	0	0	0	-455.748	4958.952	222.480	0	0.000
65	0	0	0	0	0	0	-463.860	4958.952	242.076	0	0.000

66	0	0	0	0	0	0	-484.044	4958.952	250.452	0	0.000
67	0	0	0	0	0	0	-533.124	4958.952	270.828	0	0.000
68	1	1	1	1	1	1	-537.724	4958.952	259.745	0	0.000
69	0	0	0	0	0	0	-552.516	4958.952	278.880	0	0.000
70	0	0	0	0	0	0	-552.600	4958.952	278.916	0	0.000
71	0	0	0	0	0	0	-560.652	4958.952	298.392	0	0.000
72	0	0	0	0	0	0	-559.464	4958.952	301.248	0	0.000
73	1	1	1	1	1	1	-559.464	4970.952	301.248	0	0.000
74	0	0	0	0	0	0	-558.312	4958.952	304.020	0	0.000
75	1	1	1	1	1	1	-553.866	4961.957	293.286	0	0.000
76	0	0	0	0	0	0	-554.868	4958.952	312.324	0	0.000
77	0	0	0	0	0	0	-548.736	4958.952	327.108	0	0.000
78	0	0	0	0	0	0	-548.736	4981.752	327.108	0	0.000
79	0	0	0	0	0	0	-546.708	4958.952	331.992	0	0.000
80	0	0	0	0	0	0	-542.604	4958.952	341.880	0	0.000
81	0	0	0	0	0	0	-538.152	4958.952	352.620	0	0.000
82	0	0	0	0	0	0	-532.404	4973.952	366.468	0	0.000
83	0	0	0	0	0	0	-532.404	4988.628	366.468	0	0.000
84	0	0	0	0	0	0	-532.404	5039.952	366.468	0	0.000
85	0	0	0	0	0	0	-532.404	5040.048	366.468	0	0.000
86	0	0	0	0	0	0	-546.168	5054.952	372.180	0	0.000
87	0	0	0	0	0	0	-551.904	5054.952	374.568	0	0.000
88	1	1	1	1	1	1	-551.904	5066.952	374.568	0	0.000
89	0	0	0	0	0	0	-560.988	5054.952	378.336	0	0.000
90	1	1	1	1	1	1	-560.988	5066.952	378.336	0	0.000
91	0	0	0	0	0	0	-565.128	5054.952	380.052	0	0.000
92	0	0	0	0	0	0	-578.988	5069.952	385.812	0	0.000
93	0	0	0	0	0	0	-578.988	5091.924	385.812	0	0.000
94	0	0	0	1	1	1	-578.988	5141.940	385.812	0	0.000
95	1	1	1	1	1	1	-590.988	5141.940	385.812	0	0.000
96	1	1	1	1	1	1	-578.988	5129.940	385.812	0	0.000
97	1	1	1	1	1	1	-578.988	5141.940	373.812	0	0.000
98	0	0	0	0	0	0	-242.400	4676.952	252.708	0	0.000
99	0	0	0	0	0	0	-242.382	4676.952	252.720	0	0.000
100	0	0	0	0	0	0	-238.434	4676.952	256.680	0	0.000
101	0	0	0	0	0	0	-232.056	4667.952	263.052	0	0.000
102	0	0	0	0	0	0	-232.056	4665.936	263.052	0	0.000
103	0	0	0	0	0	0	-232.056	4622.952	263.052	0	0.000
104	0	0	0	0	0	0	-225.696	4613.952	256.692	0	0.000
105	0	0	0	0	0	0	-218.688	4613.952	249.684	0	0.000
106	0	0	0	0	0	0	-216.048	4613.952	243.312	0	0.000
107	0	0	0	0	0	0	-216.048	4613.952	208.800	0	0.000
108	0	0	0	0	0	0	-216.048	4613.952	181.644	0	0.000
109	1	1	1	1	1	1	-216.048	4625.952	181.644	0	0.000
110	0	0	0	0	0	0	-216.048	4613.952	155.748	0	0.000
111	0	0	0	0	0	0	-216.048	4613.952	103.944	0	0.000
112	0	0	0	0	0	0	-216.048	4613.952	78.048	0	0.000
113	1	1	1	1	1	1	-204.048	4613.952	78.048	0	0.000
114	0	0	0	0	0	0	-216.048	4613.952	34.980	0	0.000
115	0	0	0	0	0	0	-216.048	4613.952	27.048	0	0.000
116	0	0	0	0	0	0	-225.048	4613.952	18.048	0	0.000
117	0	0	0	0	0	0	-231.048	4613.952	18.048	0	0.000
118	1	1	1	1	1	1	-231.048	4616.447	29.785	0	0.000
119	0	0	0	0	0	0	-246.048	4613.952	18.048	0	0.000
120	1	1	1	1	1	1	-246.048	4625.952	18.048	0	0.000

121	0	0	0	0	0	0	-267.048	4613.952	18.048	0	0.000
122	0	0	0	0	0	0	-276.048	4613.952	27.048	0	0.000
123	0	0	0	0	0	0	-276.048	4613.952	40.452	0	0.000
124	0	0	0	0	0	0	-276.048	4613.952	137.544	0	0.000
125	0	0	0	0	0	0	-276.048	4613.952	168.948	0	0.000
126	0	0	0	0	0	0	-276.048	4622.952	177.948	0	0.000
127	0	0	0	0	0	0	-276.048	4625.952	177.948	0	0.000
128	1	1	1	1	1	1	-274.814	4625.952	189.884	0	0.000
129	0	0	0	0	0	0	-276.048	4668.492	177.948	0	0.000
130	0	0	0	0	0	0	-276.048	4753.560	177.948	0	0.000
131	0	0	0	0	0	0	-276.048	4766.952	177.948	0	0.000
132	0	0	0	0	0	0	-285.048	4775.952	177.948	0	0.000
133	0	0	0	0	0	0	-288.048	4775.952	177.948	0	0.000
134	1	1	1	1	1	1	-288.048	4787.952	177.948	0	0.000
135	0	0	0	0	0	0	-300.048	4775.952	177.948	0	0.000
136	1	1	1	1	1	1	-300.048	4781.441	188.620	0	0.000
137	0	0	0	0	0	0	-350.532	4775.952	177.948	0	0.000
138	0	0	0	0	0	0	-451.512	4775.952	177.948	0	0.000
139	0	0	0	0	0	0	-472.020	4775.952	177.948	0	0.000
140	0	0	0	0	0	0	-481.020	4784.952	177.948	0	0.000
141	0	0	0	0	0	0	-481.020	4800.792	177.948	0	0.000
142	1	1	1	1	1	1	-469.580	4800.792	181.571	0	0.000
143	0	0	0	0	0	0	-431.020	4855.320	177.948	0	0.000
144	0	0	0	0	0	0	-481.020	4964.388	177.948	0	0.000
145	0	0	0	0	0	0	-481.020	4979.592	177.948	0	0.000
146	1	1	1	1	1	1	-481.020	4979.592	189.948	0	0.000
147	0	0	0	0	0	0	-481.020	5000.592	177.948	0	0.000
148	0	0	0	0	0	0	-499.336	5009.952	181.392	0	0.000
149	0	0	0	0	0	0	-492.876	5009.952	182.868	0	0.000
150	1	1	1	1	1	1	-492.876	5021.952	182.868	0	0.000
151	0	0	0	0	0	0	-520.044	5009.952	194.148	0	0.000
152	0	0	0	0	0	0	-558.600	5009.952	210.156	0	0.000
153	0	0	0	0	0	0	-566.916	5018.952	213.600	0	0.000
154	0	0	0	0	0	0	-566.916	5021.892	213.600	0	0.000
155	0	0	0	0	0	0	-566.916	5048.952	213.600	0	0.000
156	0	0	0	0	0	0	-563.472	5057.952	221.916	0	0.000
157	0	0	0	0	0	0	-562.320	5057.952	224.688	0	0.000
158	1	1	1	1	1	1	-562.320	5069.952	224.688	0	0.000
159	0	0	0	0	0	0	-558.864	5057.952	233.004	0	0.000
160	0	0	0	0	0	0	-556.716	5057.952	238.188	0	0.000
161	0	0	0	0	0	0	-553.884	5057.952	245.004	0	0.000
162	0	0	0	0	0	0	-553.884	5062.044	245.004	0	0.000
163	0	0	0	0	0	0	-548.904	5057.952	257.016	0	0.000
164	0	0	0	0	0	0	-546.600	5057.952	262.560	0	0.000
165	0	0	0	0	0	0	-545.436	5057.952	265.368	0	0.000
166	1	1	1	1	1	1	-556.148	5060.878	260.821	0	0.000
167	0	0	0	0	0	0	-534.588	5057.952	291.528	0	0.000
168	0	0	0	0	0	0	-512.880	5057.952	343.824	0	0.000
169	0	0	0	0	0	0	-502.020	5057.952	369.984	0	0.000
170	1	1	1	1	1	1	-502.020	5069.952	369.984	0	0.000
171	0	0	0	0	0	0	-500.988	5057.952	372.468	0	0.000
172	0	0	0	0	0	0	-496.392	5045.952	383.544	0	0.000
173	0	0	0	0	0	0	-496.392	5037.192	383.544	0	0.000
174	0	0	0	0	0	0	-496.392	5033.952	383.544	0	0.000
175	0	0	0	0	0	0	-506.700	5021.952	389.676	0	0.000

176	0	0	0	0	0	0	-539.784	5021.952	409.356	0	0.000
177	1	1	1	1	1	1	-596.976	5059.452	495.504	0	0.000
178	0	0	0	0	0	0	-588.540	5021.952	438.372	0	0.000
179	0	0	0	0	0	0	-588.624	5021.952	438.420	0	0.000
180	0	0	0	0	0	0	-595.416	5029.848	442.464	0	0.000
181	0	0	0	0	0	0	-595.416	5035.452	442.464	0	0.000
182	0	0	0	0	0	0	-605.748	5047.452	448.596	0	0.000
183	0	0	0	0	0	0	-610.896	5047.452	451.668	0	0.000
184	0	0	0	0	0	0	-615.072	5047.452	468.120	0	0.000
185	0	0	0	0	0	0	-613.716	5047.452	470.388	0	0.000
186	0	0	0	0	0	0	-603.960	5047.452	486.792	0	0.000
187	0	0	0	0	0	0	-597.504	5047.452	494.988	0	0.000
188	0	0	0	0	0	0	-596.976	5047.452	495.504	0	0.000
189	0	0	0	0	0	0	-570.048	5047.452	521.736	0	0.000
190	0	0	0	0	0	0	-516.180	5047.452	574.200	0	0.000
191	0	0	0	0	0	0	-462.312	5047.452	626.676	0	0.000
192	0	0	0	1	1	1	-435.384	5047.452	652.920	0	0.000
193	1	1	1	1	1	1	-447.384	5047.452	652.920	0	0.000
194	1	1	1	1	1	1	-435.384	5035.452	652.920	0	0.000
195	1	1	1	1	1	1	-435.384	5047.452	640.920	0	0.000

# SPRING ELEMENTS

ELEMENT TYPE = 1  
NUMBER OF ELEMENTS = 36

## ELEMENT LOAD CASE MULTIPLIERS

CASE(A)  
1.0000

CASE(B)  
1.0000

CASE(C)  
1.0000

CASE(D)  
1.0000

ELEMENT NUMBER	NODE (N)	NODE DEFINING DIRECTION(N1)	SUPPORT GROUP (NG)	CODE KD	CODE KR	GENERATION CODE (KN)	SPECIFIED DISPLACEMENT	SPECIFIED ROTATION	SPRING RATE
1	1	2	1	1	0	0	0	0	1000E+09
2	1	3	1	1	0	0	0	0	1000E+09
3	1	4	1	1	0	0	0	0	1000E+09
4	17	18	1	1	0	0	0	0	1080E+04
5	29	30	2	1	0	0	0	0	6001E+05
6	37	38	2	1	0	0	0	0	6001E+05
7	43	44	3	1	0	0	0	0	6001E+05
8	49	50	3	1	0	0	0	0	6001E+05
9	51	52	3	1	0	0	0	0	7511E+06
10	56	57	3	1	0	0	0	0	7511E+06
11	62	63	4	1	0	0	0	0	6001E+05
12	67	68	4	1	0	0	0	0	6000E+03
13	72	73	4	1	0	0	0	0	6001E+05
14	74	75	4	1	0	0	0	0	7601E+05
15	87	88	4	1	0	0	0	0	6001E+05
16	89	90	4	1	0	0	0	0	8000E+03
17	94	95	4	1	0	0	0	0	6001E+05
18	94	96	4	1	0	0	0	0	1000E+09
19	94	97	4	1	0	0	0	0	1000E+09
20	108	109	4	1	0	0	0	0	1000E+09
21	112	113	2	1	0	0	0	0	2600E+03
22	117	118	2	1	0	0	0	0	5901E+05
23	119	120	2	1	0	0	0	0	2400E+05
24	127	128	2	1	0	0	0	0	7601E+05
25	133	134	2	1	0	0	0	0	2801E+05
26	135	136	3	1	0	0	0	0	2460E+06
27	141	142	3	1	0	0	0	0	6001E+05
28	145	146	3	1	0	0	0	0	6001E+05
29	149	150	4	1	0	0	0	0	7501E+05
30	157	158	4	1	0	0	0	0	4660E+06
31	165	166	4	1	0	0	0	0	3400E+03
32	169	170	4	1	0	0	0	0	6001E+05
33	188	177	4	1	0	0	0	0	5000E+06
34	192	193	4	1	0	0	0	0	5000E+06
35	192	194	4	1	0	0	0	0	1000E+09
36	192	195	4	1	0	0	0	0	1000E+09



# PIPE ELEMENT INPUT DATA

## CONTROL INFORMATION

NUMBER OF PIPE ELEMENTS       =   162  
 NUMBER OF MATERIAL SETS       =     1  
 MAXIMUM NUMBER OF MATERIAL  
 TEMPERATURE INPUT POINTS     =     1  
 NUMBER OF SECTION PROPERTY SETS =   13  
 NUMBER OF BRANCH POINT NODES   =     0  
 MAXIMUM NUMBER OF TANGENTS  
 COMMON TO A BRANCH POINT     =     3  
  
 FLAG FOR NEGLECTING AXIAL  
 DEFORMATIONS IN BEND ELEMENTS (EQ.1, NEGLECT)   =     0

## 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	.283E+08	.300	.911E-05



SECTION PROPERTY TABLE						
SECTION NUMBER	OUTSIDE DIAMETER	WALL THICKNESS	SHAPE FACTOR FOR SHEAR	WEIGHT/UNIT LENGTH	MASS/UNIT LENGTH	DESCRIPTION
1	32.250	2.2500	0.0000	0.	0.	
2	15.625	3.4400	0.0000	0.	0.	
3	10.750	1.0000	0.0000	0.	0.	
4	16.030	2.6400	0.0000	0.	0.	
5	160.300	74.7750	0.0000	0.	0.	
6	10.750	1.0000	0.0000	0.	0.	
7	16.030	2.6400	0.0000	0.	0.	
8	6.625	7.180	0.0000	0.	0.	
9	9.870	1.6200	0.0000	0.	0.	
10	98.700	46.0350	0.0000	0.	0.	
11	6.625	7.180	0.0000	0.	0.	
12	8.625	9.060	0.0000	0.	0.	
13	10.750	3.650	0.0000	0.	0.	

# ELEMENT LOAD CASE MULTIPLIERS

	CASE A	CASE B	CASE C	CASE D
X-DIRECTION GRAVITY	1.000	1.000	1.000	1.000
Y-DIRECTION GRAVITY	1.000	1.000	1.000	1.000
Z-DIRECTION GRAVITY	1.000	1.000	1.000	1.000
THERMAL DISTORTION	1.000	1.000	1.000	1.000
PRESSURE DISTORTION	1.000	1.000	1.000	1.000

PIPE ELEMENT INPUT DATA												
ELEMENT NUMBER	ELEMENT TYPE	NODE -I	NODE -J	MATL. NUMBER	SECTION NUMBER	REFERENCE TEMPERATURE (BEND RADIUS)	INTERNAL PRESSURE (THIRD POINT)	E N D S END-I (X3- ORIGINATE)	C O D E END-J (Y3- ORIGINATE)	(Z3- ORIGINATE)	NODE INCREMENT (WALL FRACTION)	INPUT TAG
1	TANGENT	1	5	1	1	0.00	0.00	0	0		1	11
2	TANGENT	5	6	1	2	0.00	0.00	0	0		1	11
3	TANGENT	6	7	1	3	0.00	0.00	0	0		1	11
4	BEND	7	8	1	3	( 15.000)	( )	( -201.948)	( 4729.392)	( 193.128)	( .1000)	1C
5	TANGENT	8	9	1	3	0.00	0.00	0	0		1	11
6	BEND	9	10	1	3	( 15.000)	( )	( -201.672)	( 4729.392)	( 201.204)	( .1000)	1C
7	TANGENT	10	11	1	3	0.00	0.00	0	0		1	11
8	TANGENT	11	12	1	4	0.00	0.00	0	0		1	11
9	TANGENT	12	13	1	4	0.00	0.00	0	0		1	11
10	TANGENT	13	14	1	4	0.00	0.00	0	0		1	11
11	TANGENT	14	15	1	5	0.00	0.00	0	0		1	11
12	TANGENT	15	16	1	4	0.00	0.00	0	0		1	11
13	TANGENT	16	17	1	4	0.00	0.00	0	0		1	11
14	TANGENT	17	19	1	6	0.00	0.00	0	0		1	11
15	BEND	19	20	1	6	( 15.000)	( )	( -246.204)	( 4729.392)	( 248.904)	( .1000)	1C
16	TANGENT	20	21	1	6	0.00	0.00	0	0		1	11
17	TANGENT	21	22	1	6	0.00	0.00	0	0		1	11
18	TANGENT	22	23	1	6	0.00	0.00	0	0		1	11
19	TANGENT	23	24	1	6	0.00	0.00	0	0		1	11
20	TANGENT	24	25	1	6	0.00	0.00	0	0		1	11
21	TANGENT	25	26	1	6	0.00	0.00	0	0		1	11
22	TANGENT	26	27	1	6	0.00	0.00	0	0		1	11
23	BEND	27	28	1	6	( 15.000)	( )	( -246.204)	( 4613.952)	( 248.904)	( .1000)	1C
24	TANGENT	28	29	1	6	0.00	0.00	0	0		1	11
25	TANGENT	29	31	1	6	0.00	0.00	0	0		1	11
26	TANGENT	31	32	1	4	0.00	0.00	0	0		1	11
27	TANGENT	32	33	1	5	0.00	0.00	0	0		1	11
28	TANGENT	33	34	1	4	0.00	0.00	0	0		1	11
29	TANGENT	34	35	1	6	0.00	0.00	0	0		1	11
30	BEND	35	36	1	6	( 15.000)	( )	( -296.388)	( 4613.952)	( 198.720)	( .1000)	1C
31	TANGENT	36	37	1	6	0.00	0.00	0	0		1	11
32	TANGENT	37	39	1	6	0.00	0.00	0	0		1	11
33	TANGENT	39	40	1	6	0.00	0.00	0	0		1	11
34	BEND	40	41	1	6	( 15.000)	( )	( -381.000)	( 4613.952)	( 198.720)	( .1000)	1C
35	TANGENT	41	42	1	6	0.00	0.00	0	0		1	11
36	TANGENT	42	43	1	6	0.00	0.00	0	0		1	11

PIPE ELEMENT INPUT DATA												
ELEMENT NUMBER	ELEMENT TYPE	NODE -I	NODE -J	MATL. NUMBER	SECTION NUMBER	REFERENCE TEMPERATURE (BEND RADIUS)	INTERNAL PRESSURE (THIRD POINT)	E N D S END-I (X3- ORDINATE)	C O D E (Y3- ORDINATE)	END-J (Z3- ORDINATE)	INCREMENT (WALL FRACTION)	INPUT TAG
37	TANGENT	43	45	1	6	0.00	0.00	0	0	0	1	11
38	TANGENT	45	46	1	6	0.00	0.00	0	0	0	1	11
39	TANGENT	46	47	1	6	0.00	0.00	0	0	0	1	11
40	BEND	47	48	1	6	0.00	0.00	0	0	198.720	( .1000)	IC
41	TANGENT	48	49	1	6	0.00	0.00	0	0	0	1	11
42	TANGENT	49	51	1	6	0.00	0.00	0	0	0	1	11
43	TANGENT	51	53	1	6	0.00	0.00	0	0	0	1	11
44	TANGENT	53	54	1	6	0.00	0.00	0	0	0	1	11
45	BEND	54	55	1	6	0.00	0.00	0	0	198.720	( .1000)	IC
46	TANGENT	55	56	1	6	0.00	0.00	0	0	0	1	11
47	TANGENT	56	58	1	6	0.00	0.00	0	0	0	1	11
48	TANGENT	58	59	1	6	0.00	0.00	0	0	0	1	11
49	TANGENT	59	60	1	6	0.00	0.00	0	0	0	1	11
50	BEND	60	61	1	6	0.00	0.00	0	0	198.720	( .1000)	IC
51	TANGENT	61	62	1	6	0.00	0.00	0	0	0	1	11
52	TANGENT	62	64	1	6	0.00	0.00	0	0	0	1	11
53	BEND	64	65	1	6	0.00	0.00	0	0	236.328	( .1000)	IC
54	TANGENT	65	66	1	6	0.00	0.00	0	0	0	1	11
55	TANGENT	66	67	1	6	0.00	0.00	0	0	0	1	11
56	TANGENT	67	69	1	6	0.00	0.00	0	0	0	1	11
57	TANGENT	69	70	1	6	0.00	0.00	0	0	0	1	11
58	BEND	70	71	1	6	0.00	0.00	0	0	284.628	( .1000)	IC
59	TANGENT	71	72	1	6	0.00	0.00	0	0	0	1	11
60	TANGENT	72	74	1	6	0.00	0.00	0	0	0	1	11
61	TANGENT	74	76	1	6	0.00	0.00	0	0	0	1	11
62	TANGENT	76	77	1	7	0.00	0.00	0	0	0	1	11
63	TANGENT	77	78	1	5	0.00	0.00	0	0	0	1	11
64	TANGENT	77	79	1	7	0.00	0.00	0	0	0	1	11
65	TANGENT	79	80	1	7	0.00	0.00	0	0	0	1	11
66	TANGENT	80	81	1	13	0.00	0.00	0	0	0	1	11
67	BEND	81	82	1	13	0.00	0.00	0	0	366.468	( .1000)	IC
68	TANGENT	82	83	1	13	0.00	0.00	0	0	0	1	11
69	TANGENT	83	84	1	13	0.00	0.00	0	0	0	1	11
70	TANGENT	84	85	1	13	0.00	0.00	0	0	0	1	11
71	BEND	85	86	1	13	0.00	0.00	0	0	366.468	( .1000)	IC
72	TANGENT	86	87	1	13	0.00	0.00	0	0	0	1	11

# PIPE ELEMENT INPUT DATA

ELEMENT NUMBER	ELEMENT TYPE	NODE -I	NODE -J	MATL. NUMBER	SECTION NUMBER	REFERENCE TEMPERATURE (BEND RADIUS)	INTERNAL PRESSURE (THIRD POINT)	E N D S END-I (X3- ORDINATE)	C O D E (Y3- ORDINATE)	END-J (Z3- ORDINATE)	INCREMENT (WALL FRACTION)	INPUT TAG
73	TANGENT	87	89	1	13	0.00	0.00	0	0	0	1	11
74	TANGENT	89	91	1	13	0.00	0.00	0	0	0	1	11
75	BEND	91	92	1	13	0.00	0.00	0	0	0	1	1C
						( 15.000)	( )	( -578.976)	( 5054.952)	( 385.812)	( .1000)	
76	TANGENT	92	93	1	13	0.00	0.00	0	0	0	1	11
77	TANGENT	93	94	1	13	0.00	0.00	0	0	0	1	11
78	TANGENT	23	98	1	8	0.00	0.00	0	0	0	1	11
79	TANGENT	98	99	1	8	0.00	0.00	0	0	0	1	11
80	TANGENT	99	100	1	8	0.00	0.00	0	0	0	1	11
81	BEND	100	101	1	8	0.00	0.00	0	0	0	1	1C
						( 9.000)	( )	( -232.056)	( 4676.952)	( 263.052)	( .1000)	
82	TANGENT	101	102	1	8	0.00	0.00	0	0	0	1	11
83	TANGENT	102	103	1	8	0.00	0.00	0	0	0	1	11
84	BEND	103	104	1	8	0.00	0.00	0	0	0	1	1C
						( 9.000)	( )	( -232.056)	( 4613.952)	( 263.052)	( .1000)	
85	TANGENT	104	105	1	8	0.00	0.00	0	0	0	1	11
86	BEND	105	106	1	8	0.00	0.00	0	0	0	1	1C
						( 9.000)	( )	( -216.048)	( 4613.952)	( 247.044)	( .1000)	
87	TANGENT	106	107	1	8	0.00	0.00	0	0	0	1	11
88	TANGENT	107	108	1	8	0.00	0.00	0	0	0	1	11
89	TANGENT	108	110	1	8	0.00	0.00	0	0	0	1	11
90	TANGENT	110	111	1	8	0.00	0.00	0	0	0	1	11
91	TANGENT	111	112	1	8	0.00	0.00	0	0	0	1	11
92	TANGENT	112	114	1	8	0.00	0.00	0	0	0	1	11
93	TANGENT	114	115	1	8	0.00	0.00	0	0	0	1	11
94	BEND	115	116	1	8	0.00	0.00	0	0	0	1	1C
						( 9.000)	( )	( -216.048)	( 4613.952)	( 18.048)	( .1000)	
95	TANGENT	116	117	1	8	0.00	0.00	0	0	0	1	11
96	TANGENT	117	119	1	8	0.00	0.00	0	0	0	1	11
97	TANGENT	119	121	1	8	0.00	0.00	0	0	0	1	11
98	BEND	121	122	1	8	0.00	0.00	0	0	0	1	1C
						( 9.000)	( )	( -276.048)	( 4613.952)	( 18.048)	( .1000)	
99	TANGENT	122	123	1	8	0.00	0.00	0	0	0	1	11
100	TANGENT	123	124	1	8	0.00	0.00	0	0	0	1	11
101	TANGENT	124	125	1	8	0.00	0.00	0	0	0	1	11
102	BEND	125	126	1	8	0.00	0.00	0	0	0	1	1C
						( 9.000)	( )	( -276.048)	( 4613.952)	( 177.948)	( .1000)	
103	TANGENT	126	127	1	8	0.00	0.00	0	0	0	1	11
104	TANGENT	127	129	1	8	0.00	0.00	0	0	0	1	11
105	TANGENT	129	130	1	8	0.00	0.00	0	0	0	1	11

PIPE ELEMENT INPUT DATA												
ELEMENT NUMBER	ELEMENT TYPE	NODE -I	NODE -J	MATL. NUMBER	SECTION NUMBER	REFERENCE TEMPERATURE (BEND RADIUS)	INTERNAL PRESSURE (THIRD POINT)	E N D S END-I (X3- ORDINATE)	C O D E (Y3- ORDINATE)	END-J (Z3- ORDINATE)	INCREMENT (WALL FRACTION)	INPUT TAG
106	TANGENT	130	131	1	8	0.00	0.00	0	0	0	1	11
107	BEND	131	132	1	8	0.00	0.00	0	0	0	1	1C
						( 9.000)	( )	( -276.048)	( 4775.952)	( 177.948)	( .1000)	
108	TANGENT	132	133	1	8	0.00	0.00	0	0	0	1	11
109	TANGENT	133	135	1	8	0.00	0.00	0	0	0	1	11
110	TANGENT	135	137	1	8	0.00	0.00	0	0	0	1	11
111	TANGENT	137	138	1	8	0.00	0.00	0	0	0	1	11
112	TANGENT	138	139	1	8	0.00	0.00	0	0	0	1	11
113	BEND	139	140	1	8	0.00	0.00	0	0	0	1	1C
						( 9.000)	( )	( -481.020)	( 4775.952)	( 177.948)	( .1000)	
114	TANGENT	140	141	1	8	0.00	0.00	0	0	0	1	11
115	TANGENT	141	143	1	8	0.00	0.00	0	0	0	1	11
116	TANGENT	143	144	1	8	0.00	0.00	0	0	0	1	11
117	TANGENT	144	145	1	8	0.00	0.00	0	0	0	1	11
118	TANGENT	145	147	1	8	0.00	0.00	0	0	0	1	11
119	BEND	147	148	1	8	0.00	0.00	0	0	0	1	1C
						( 9.000)	( )	( -481.020)	( 5009.952)	( 177.948)	( .1000)	
120	TANGENT	148	149	1	8	0.00	0.00	0	0	0	1	11
121	TANGENT	149	151	1	8	0.00	0.00	0	0	0	1	11
122	TANGENT	151	152	1	8	0.00	0.00	0	0	0	1	11
123	BEND	152	153	1	8	0.00	0.00	0	0	0	1	1C
						( 9.000)	( )	( -566.916)	( 5009.952)	( 213.600)	( .1000)	
124	TANGENT	153	154	1	8	0.00	0.00	0	0	0	1	11
125	TANGENT	154	155	1	8	0.00	0.00	0	0	0	1	11
126	BEND	155	156	1	8	0.00	0.00	0	0	0	1	1C
						( 9.000)	( )	( -566.916)	( 5057.952)	( 213.600)	( .1000)	
127	TANGENT	156	157	1	8	0.00	0.00	0	0	0	1	11
128	TANGENT	157	159	1	8	0.00	0.00	0	0	0	1	11
129	TANGENT	159	160	1	9	0.00	0.00	0	0	0	1	11
130	TANGENT	160	161	1	9	0.00	0.00	0	0	0	1	11
131	TANGENT	161	162	1	10	0.00	0.00	0	0	0	1	11
132	TANGENT	161	163	1	9	0.00	0.00	0	0	0	1	11
133	TANGENT	163	164	1	8	0.00	0.00	0	0	0	1	11
134	TANGENT	164	165	1	12	0.00	0.00	0	0	0	1	11
135	TANGENT	165	167	1	12	0.00	0.00	0	0	0	1	11
136	TANGENT	167	168	1	12	0.00	0.00	0	0	0	1	11
137	TANGENT	168	169	1	12	0.00	0.00	0	0	0	1	11
138	TANGENT	169	171	1	12	0.00	0.00	0	0	0	1	11
139	BEND	171	172	1	12	0.00	0.00	0	0	0	1	1C
						( 12.000)	( )	( -496.392)	( 5057.952)	( 383.544)	( .1000)	
140	TANGENT	172	173	1	12	0.00	0.00	0	0	0	1	11
141	TANGENT	173	174	1	12	0.00	0.00	0	0	0	1	11
142	BEND	174	175	1	12	0.00	0.00	0	0	0	1	1C
						( 12.000)	( )	( -496.392)	( 5021.952)	( 383.544)	( .1000)	

PIPE ELEMENT INPUT DATA												
ELEMENT NUMBER	ELEMENT TYPE	NODE -I	NODE -J	MATL. NUMBER	SECTION NUMBER	REFERENCE TEMPERATURE (BEND RADIUS)	INTERNAL PRESSURE (THIRD POINT)	E N D S END-I (X3- ORDINATE)	C O D E (Y3- ORDINATE)	END-J (Z3- ORDINATE)	NODE INCREMENT (WALL FRACTION)	INPUT TAG
143	TANGENT	175	176	1	12	0.00	0.00	0	0	0	1	11
144	TANGENT	176	178	1	12	0.00	0.00	0	0	0	1	11
145	TANGENT	170	179	1	12	0.00	0.00	0	0	0	1	11
146	BEND	179	180	1	12	0.00	0.00	0	0	0	1	IC
147	TANGENT	180	181	1	12	0.00	0.00	0	0	0	1	11
148	BEND	181	182	1	12	0.00	0.00	0	0	0	1	IC
						( 12.000)	( )	( -595.416)	( 5047.452)	( 442.464)	( .1000)	
149	TANGENT	182	183	1	12	0.00	0.00	0	0	0	1	11
150	BEND	183	184	1	12	0.00	0.00	0	0	0	1	IC
						( 12.000)	( )	( -621.204)	( 5047.452)	( 457.800)	( .1000)	
151	TANGENT	184	185	1	12	0.00	0.00	0	0	0	1	11
152	TANGENT	185	186	1	12	0.00	0.00	0	0	0	1	11
153	BEND	186	187	1	12	0.00	0.00	0	0	0	1	IC
						( 40.000)	( )	( -601.272)	( 5047.452)	( 491.316)	( .1000)	
154	TANGENT	187	188	1	12	0.00	0.00	0	0	0	1	11
155	TANGENT	188	189	1	12	0.00	0.00	0	0	0	1	11
156	TANGENT	189	190	1	12	0.00	0.00	0	0	0	1	11
157	TANGENT	190	191	1	12	0.00	0.00	0	0	0	1	11
158	TANGENT	191	192	1	12	0.00	0.00	0	0	0	1	11
159	TANGENT	15	14	1	5	0.00	0.00	0	0	0	1	11
160	TANGENT	78	77	1	5	0.00	0.00	0	0	0	1	11
161	TANGENT	33	32	1	5	0.00	0.00	0	0	0	1	11
162	TANGENT	162	161	1	10	0.00	0.00	0	0	0	1	11



# NODAL LOADS (STATIC) OR MASSES (DYNAMIC)

NODE NUMBER	LOAD CASE	X-AXIS FORCE	Y-AXIS FORCE	Z-AXIS FORCE	X-AXIS MOMENT	Y-AXIS MOMENT	Z-AXIS MOMENT
12	0	1.69306E+00	1.69306E+00	1.69306E+00	0.	0.	0.
15	0	5.07505E+00	5.07505E+00	5.07505E+00	0.	0.	0.
21	0	1.69306E+00	1.69306E+00	1.69306E+00	0.	0.	0.
25	0	1.69306E+00	1.69306E+00	1.69306E+00	0.	0.	0.
33	0	4.96894E+00	4.96894E+00	4.96894E+00	0.	0.	0.
34	0	1.20212E+00	1.20212E+00	1.20212E+00	0.	0.	0.
39	0	1.42495E+00	1.42495E+00	1.42495E+00	0.	0.	0.
42	0	1.42495E+00	1.42495E+00	1.42495E+00	0.	0.	0.
45	0	1.88768E+00	1.88768E+00	1.88768E+00	0.	0.	0.
46	0	1.88768E+00	1.88768E+00	1.88768E+00	0.	0.	0.
53	0	2.18323E+00	2.18323E+00	2.18323E+00	0.	0.	0.
58	0	2.43970E+00	2.43970E+00	2.43970E+00	0.	0.	0.
59	0	2.43970E+00	2.43970E+00	2.43970E+00	0.	0.	0.
66	0	2.98188E+00	2.98188E+00	2.98188E+00	0.	0.	0.
69	0	1.41874E+00	1.41874E+00	1.41874E+00	0.	0.	0.
78	0	1.04943E+01	1.04943E+01	1.04943E+01	0.	0.	0.
79	0	9.30124E-01	9.30124E-01	9.30124E-01	0.	0.	0.
83	0	9.30124E-01	9.30124E-01	9.30124E-01	0.	0.	0.
84	0	9.30124E-01	9.30124E-01	9.30124E-01	0.	0.	0.
93	0	1.61180E+00	1.61180E+00	1.61180E+00	0.	0.	0.
102	0	6.74431E-01	6.74431E-01	6.74431E-01	0.	0.	0.
104	0	6.74431E-01	6.74431E-01	6.74431E-01	0.	0.	0.
107	0	6.74431E-01	6.74431E-01	6.74431E-01	0.	0.	0.
110	0	6.43116E-01	6.43116E-01	6.43116E-01	0.	0.	0.
111	0	6.43116E-01	6.43116E-01	6.43116E-01	0.	0.	0.
114	0	1.06962E+00	1.06962E+00	1.06962E+00	0.	0.	0.
123	0	1.20549E+00	1.20549E+00	1.20549E+00	0.	0.	0.
124	0	1.20549E+00	1.20549E+00	1.20549E+00	0.	0.	0.
129	0	1.05642E+00	1.05642E+00	1.05642E+00	0.	0.	0.
130	0	1.05642E+00	1.05642E+00	1.05642E+00	0.	0.	0.
137	0	1.25388E+00	1.25388E+00	1.25388E+00	0.	0.	0.
138	0	1.25388E+00	1.25388E+00	1.25388E+00	0.	0.	0.
143	0	1.35430E+00	1.35430E+00	1.35430E+00	0.	0.	0.
144	0	1.35430E+00	1.35430E+00	1.35430E+00	0.	0.	0.
151	0	6.66149E-01	6.66149E-01	6.66149E-01	0.	0.	0.
154	0	6.66149E-01	6.66149E-01	6.66149E-01	0.	0.	0.
160	0	6.66149E-01	6.66149E-01	6.66149E-01	0.	0.	0.
162	0	2.27769E+00	2.27769E+00	2.27769E+00	0.	0.	0.
167	0	1.15217E+00	1.15217E+00	1.15217E+00	0.	0.	0.
168	0	1.15217E+00	1.15217E+00	1.15217E+00	0.	0.	0.
173	0	1.23214E+00	1.23214E+00	1.23214E+00	0.	0.	0.
176	0	1.23214E+00	1.23214E+00	1.23214E+00	0.	0.	0.
178	0	1.23214E+00	1.23214E+00	1.23214E+00	0.	0.	0.
185	0	1.23214E+00	1.23214E+00	1.23214E+00	0.	0.	0.
189	0	1.52976E+00	1.52976E+00	1.52976E+00	0.	0.	0.
190	0	1.52976E+00	1.52976E+00	1.52976E+00	0.	0.	0.
191	0	1.52976E+00	1.52976E+00	1.52976E+00	0.	0.	0.



# PRINT OF FREQUENCIES

MODE NUMBER	CIRCULAR FREQUENCY (RAD/SEC)	FREQUENCY (CYCLES/SEC)	PERIOD (SEC)
1	.1641E+02	.2612E+01	.3828E+00
2	.1831E+02	.2914E+01	.3431E+00
3	.2725E+02	.4337E+01	.2305E+00
4	.2928E+02	.4660E+01	.2146E+00
5	.3603E+02	.5734E+01	.1744E+00
6	.3665E+02	.5833E+01	.1715E+00
7	.4624E+02	.7359E+01	.1359E+00
8	.4881E+02	.7769E+01	.1287E+00
9	.6253E+02	.9952E+01	.1005E+00
10	.6490E+02	.1033E+02	.9682E-01
11	.6710E+02	.1068E+02	.9364E-01
12	.6875E+02	.1094E+02	.9139E-01
13	.7559E+02	.1203E+02	.8313E-01
14	.7719E+02	.1229E+02	.8139E-01
15	.8326E+02	.1325E+02	.7547E-01
16	.8424E+02	.1341E+02	.7459E-01
17	.9066E+02	.1443E+02	.6931E-01
18	.9249E+02	.1472E+02	.6793E-01
19	.9584E+02	.1525E+02	.6556E-01
20	.9772E+02	.1555E+02	.6430E-01
21	.1016E+03	.1617E+02	.6184E-01
22	.1055E+03	.1680E+02	.5953E-01
23	.1083E+03	.1723E+02	.5804E-01
24	.1085E+03	.1728E+02	.5789E-01
25	.1097E+03	.1745E+02	.5730E-01
26	.1176E+03	.1871E+02	.5345E-01
27	.1187E+03	.1890E+02	.5292E-01
28	.1256E+03	.1999E+02	.5002E-01
29	.1348E+03	.2146E+02	.4660E-01
30	.1352E+03	.2152E+02	.4646E-01
31	.1429E+03	.2274E+02	.4398E-01
32	.1463E+03	.2328E+02	.4295E-01
33	.1512E+03	.2407E+02	.4155E-01
34	.1545E+03	.2459E+02	.4066E-01
35	.1578E+03	.2512E+02	.3981E-01
36	.1666E+03	.2652E+02	.3771E-01
37	.1692E+03	.2694E+02	.3713E-01
38	.1728E+03	.2751E+02	.3635E-01
39	.1801E+03	.2866E+02	.3489E-01
40	.1856E+03	.2954E+02	.3385E-01
41	.1922E+03	.3060E+02	.3268E-01
42	.1965E+03	.3127E+02	.3198E-01
43	.2028E+03	.3228E+02	.3098E-01
44	.2230E+03	.3548E+02	.2818E-01

45	.2263E+03	.3602E+02	.2776E-01
46	.2287E+03	.3639E+02	.2748E-01
47	.2310E+03	.3677E+02	.2720E-01
48	.2388E+03	.3800E+02	.2632E-01
49	.2414E+03	.3842E+02	.2603E-01
50	.2525E+03	.4018E+02	.2488E-01

Problem 4a

Envelope Spectra Solution

CASE 1  
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DIRECTION FACTORS

X = 1.0000 Y = 1.0000 Z = 1.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION IN IN./SEC.2  
EQ.2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 1. KIND= 2

CLUSTER FACTOR, CF = .00010

## MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	2.612	-.8378E+00	.3107E+00	.1305E+01
2	2.914	.2493E+01	.2109E+00	-.3030E+01
3	4.337	.3546E+01	.6075E+00	-.5571E+00
4	4.660	.2974E+00	-.3771E+00	.1708E+00
5	5.734	.2813E-01	-.1817E+01	.5091E-01
6	5.833	.1795E+01	.1108E+00	-.2947E+00
7	7.359	.2024E+01	.1261E+00	.1184E+01
8	7.769	.2088E+01	.7846E+00	-.5543E-01
9	9.952	.2810E+01	-.1762E+01	.6445E+00
10	10.329	.2451E+01	.8754E-01	.1759E+01
11	10.679	-.2218E+01	-.2881E-01	.3025E+01
12	10.943	.2398E+01	-.1815E+00	.4025E+01
13	12.030	.2624E+00	.2503E+01	.1433E+01
14	12.286	.6360E-01	.2954E+01	.7087E+00
15	13.251	-.6882E+00	-.6122E+00	.3362E+01
16	13.407	.3546E-01	.2994E+01	.7214E+00
17	14.429	.2565E+00	.1991E+01	-.8587E+00
18	14.720	.1821E+01	.5995E-01	.1196E+00
19	15.253	.3713E+00	.5928E+00	-.9660E+00
20	15.553	.1479E+00	-.6710E+00	.2058E+00
21	16.172	.4262E+00	.1517E+00	.4445E+00
22	16.797	-.3192E+00	-.3132E+00	-.9118E+00
23	17.230	.1670E+01	-.1119E+01	.7127E+00
24	17.275	.1169E+01	-.3779E+00	-.3674E+00
25	17.453	.7985E-01	.6743E+00	.1268E+01
26	18.710	.2312E+00	.1223E+01	-.9462E+00

27	18.898	-.1962E+00	-.2244E+01	.3394E+00
28	19.993	-.4292E+00	-.5545E+00	-.6252E+00
29	21.460	.1201E+01	-.1163E+01	.2503E+00
30	21.523	.2336E+00	-.2026E+00	.3284E+00
31	22.736	.7517E+00	.4723E+00	-.1434E+00
32	23.281	-.1335E+01	-.1541E+01	-.9614E+00
33	24.067	.9123E+00	-.9878E+00	-.8859E-01
34	24.593	-.5432E+00	.2054E+00	-.4151E+00
35	25.117	-.1981E+00	-.5397E+00	.6728E-01
36	26.516	.3810E+00	.7231E+00	-.7755E+00
37	26.935	.1012E+00	-.2391E+01	.1253E+00
38	27.509	.6172E+00	.9367E+00	.3128E+00
39	28.662	-.5357E+00	.1378E+01	-.1307E+00
40	29.542	-.2805E+00	.6597E+00	-.4843E+00
41	30.596	-.9682E+00	-.1170E+00	.6666E+00
42	31.274	-.3626E+00	-.4667E+00	-.3871E+00
43	32.283	.1552E+00	-.7698E+00	.1045E+00
44	35.484	-.1388E+00	.3752E+00	-.1263E+00
45	36.022	-.2788E+00	-.1214E+01	.1672E+00
46	36.394	.4503E+00	-.6113E+00	-.4317E+00
47	36.769	-.9716E-01	.9411E+00	.3371E-01
48	38.000	.2099E+00	.5056E+00	-.7374E+00
49	38.420	-.5954E+00	.1002E+01	.2804E+00
50	40.185	-.1099E+00	.1081E+01	.1042E+00

SPECTRUM TABLE ( X ENVELOPE SPECTRUM )

NUMBER OF POINTS = 25

SCALE FACTOR = .38620E+03

INPUT POINT	PERIOD	SPECTRUM VALUE
1	1000E-01	.2520E+00
2	2000E-01	.2520E+00
3	3000E-01	.5000E+00
4	3700E-01	.1222E+01
5	5100E-01	.1222E+01
6	5600E-01	.1000E+01
7	7100E-01	.1310E+01
8	9600E-01	.1310E+01
9	1050E+00	.9950E+00
10	1100E+00	.9350E+00
11	1300E+00	.9350E+00
12	1750E+00	.4500E+00
13	2000E+00	.1360E+01
14	2400E+00	.1500E+01
15	3200E+00	.1500E+01
16	3350E+00	.6500E+00
17	4450E+00	.6500E+00
18	4550E+00	.5550E+00
19	5000E+00	.5550E+00
20	5800E+00	.5500E+00
21	1290E+01	.3390E+00
22	1730E+01	.2300E+00
23	1900E+01	.1600E+00
24	2000E+01	.1600E+00
25	5000E+01	.1600E+00

SPECTRUM TABLE ( Y ENVELOPE SPECTRUM

NUMBER OF POINTS = 22  
SCALE FACTOR = .38620E+03

INPUT POINT	PERIOD	SPECTRUM VALUE
1	1000E-01	.1940E+00
2	2000E-01	.1940E+00
3	3000E-01	.2950E+00
4	3300E-01	.2550E+00
5	3500E-01	.5220E+00
6	3600E-01	.8500E+00
7	4500E-01	.8500E+00
8	4700E-01	.7600E+00
9	5000E-01	.8750E+00
10	6800E-01	.8750E+00
11	8000E-01	.9000E+00
12	9100E-01	.2600E+01
13	1200E+00	.2600E+01
14	1790E+00	.5060E+00
15	1870E+00	.5400E+00
16	2500E+00	.5400E+00
17	2700E+00	.5250E+00
18	4100E+00	.4000E+00



SPECTRUM TABLE ( Z-ENVELOPE SPECTRUM

NUMBER OF POINTS = 25  
SCALE FACTOR = .38620E+03

NPWT POINT	PERIOD	SPECTRUM VALUE
1	1000E-01	2250E+00
2	2000E-01	2250E+00
3	3100E-01	5000E+00
4	3700E-01	1100E+01
5	4000E-01	1150E+01
6	5800E-01	1150E+01
7	6300E-01	8500E+00
8	7100E-01	1310E+01
9	9600E-01	1310E+01
10	1040E+00	1050E+01
11	1350E+00	1050E+01
12	1520E+00	8750E+00
13	1590E+00	7000E+00
14	1700E+00	7000E+00
15	1750E+00	6400E+00
16	1900E+00	6400E+00
17	2000E+00	1150E+01
18	2400E+00	1500E+01
19	3300E+00	1500E+01
20	3500E+00	8000E+00
21	4600E+00	5600E+00
22	5700E+00	5600E+00
23	1720E+01	1300E+00
24	2000E+01	1600E+00
25	5000E+01	1600E+00

[illegible]

NODE NUMBER	MODE NUMBER	D I S P L A C E M E N T S / R O T A T I O N S						A C C E L E R A T I O N S I N G ' S		
		X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION	X- DIRECTION	Y- DIRECTION	Z- DIRECTION
1	TOTAL	3.72384E-05	2.39019E-05	2.15626E-05	0.	0.	0.			
2	TOTAL	0.	0.	0.	0.	0.	0.			
3	TOTAL	0.	0.	0.	0.	0.	0.			
4	TOTAL	0.	0.	0.	0.	0.	0.			
5	TOTAL	1.52212E-04	9.32520E-05	2.89818E-05	5.11163E-06	8.08424E-06	1.80768E-06			
6	TOTAL	1.93090E-03	1.27353E-03	3.04676E-04	7.21432E-05	1.08118E-04	3.55669E-05			
7	TOTAL	3.66540E-03	2.49913E-03	6.04342E-04	1.94691E-04	2.71940E-04	1.20042E-04			
8	TOTAL	4.96080E-03	3.45136E-03	7.15754E-04	3.18771E-04	4.18122E-04	1.47017E-04			
9	TOTAL	4.99248E-03	3.47546E-03	7.14054E-04	3.19697E-04	4.19220E-04	1.47662E-04			
10	TOTAL	1.18874E-02	9.42949E-03	2.74886E-03	6.73778E-04	8.20186E-04	3.05283E-04			
11	TOTAL	1.57453E-02	1.34735E-02	6.27779E-03	7.46431E-04	8.82598E-04	3.46986E-04			
12	TOTAL	1.77625E-02	1.56498E-02	8.15684E-03	7.51532E-04	8.86603E-04	3.50038E-04			
13	TOTAL	1.88760E-02	1.68566E-02	9.19115E-03	7.54273E-04	8.88646E-04	3.51710E-04			
14	TOTAL	2.62340E-02	2.49178E-02	1.60450E-02	7.71285E-04	8.99433E-04	3.62664E-04			
15	TOTAL	2.49968E-02	2.49178E-02	1.70473E-02	7.71285E-04	8.99433E-04	3.62664E-04			
16	TOTAL	3.68542E-02	3.67517E-02	2.59401E-02	7.93321E-04	9.08571E-04	3.79281E-04			
17	TOTAL	3.88961E-02	3.90588E-02	2.78386E-02	8.21451E-04	9.16015E-04	4.03075E-04			

18 TOTAL ..	0.	0.	0.	0.	0.	0.
19 TOTAL ..	4.09073E-02	4.13851E-02	2.97173E-02	8.48984E-04	9.22034E-04	4.27735E-04
20 TOTAL ..	6.14005E-02	5.58620E-02	3.72038E-02	1.26530E-03	9.85777E-04	9.39641E-04
21 TOTAL ..	6.89813E-02	5.58663E-02	3.89172E-02	1.31995E-03	9.95833E-04	9.88783E-04
22 TOTAL ..	8.72936E-02	5.58657E-02	5.22805E-02	1.40033E-03	1.03499E-03	1.03848E-03
23 TOTAL ..	9.70470E-02	5.58654E-02	6.25331E-02	1.41932E-03	1.06355E-03	1.03330E-03
24 TOTAL ..	1.07744E-01	5.58486E-02	7.53612E-02	1.43419E-03	1.09226E-03	9.88844E-04
25 TOTAL ..	1.31363E-01	5.58074E-02	1.09179E-01	1.41082E-03	1.18894E-03	8.10552E-04
26 TOTAL ..	1.36763E-01	5.57925E-02	1.18309E-01	1.39159E-03	1.22043E-03	7.47134E-04
27 TOTAL ..	1.38641E-01	5.57870E-02	1.21662E-01	1.38383E-03	1.23258E-03	7.22809E-04
28 TOTAL ..	1.36387E-01	4.59003E-02	1.27315E-01	1.22848E-03	1.52484E-03	2.55156E-04
29 TOTAL ..	1.31133E-01	4.10939E-02	1.19871E-01	1.17401E-03	1.57765E-03	1.95231E-04
30 TOTAL ..	0.	0.	0.	0.	0.	0.
31 TOTAL ..	1.30291E-01	4.03951E-02	1.18617E-01	1.16429E-03	1.58730E-03	1.87675E-04
32 TOTAL ..	1.22158E-01	3.43925E-02	1.05595E-01	1.14846E-03	1.60398E-03	1.79318E-04
33 TOTAL ..	1.21680E-01	3.43925E-02	1.01495E-01	1.14846E-03	1.60398E-03	1.79318E-04
34 TOTAL ..	1.16236E-01	3.22022E-02	9.40695E-02	1.13321E-03	1.62158E-03	1.76904E-04
35 TOTAL ..	1.14337E-01	3.27380E-02	8.93193E-02	1.07951E-03	1.67663E-03	1.80707E-04

36 TOTAL ..	1.13395E-01	3.28119E-02	8.22545E-02	9.77255E-04	1.90766E-03	2.31278E-04
37 TOTAL ..	1.13359E-01	3.05082E-02	8.08147E-02	8.97717E-04	2.00680E-03	2.64512E-04
38 TOTAL ..	0.	0.	0.	0.	0.	0.
39 TOTAL ..	1.13285E-01	2.47842E-02	1.04802E-01	8.06249E-04	2.20442E-03	3.52573E-04
40 TOTAL ..	1.13188E-01	1.76583E-02	1.51765E-01	8.34893E-04	2.37303E-03	4.86790E-04
41 TOTAL ..	1.03337E-01	1.37096E-02	1.73163E-01	1.01256E-03	2.55140E-03	8.98224E-04
42 TOTAL ..	1.02062E-01	1.37103E-02	1.71628E-01	1.02491E-03	2.56307E-03	9.05689E-04
43 TOTAL ..	8.23209E-02	1.37197E-02	1.44320E-01	1.23928E-03	2.75347E-03	9.03999E-04
44 TOTAL ..	0.	0.	0.	0.	0.	0.
45 TOTAL ..	6.44960E-02	1.37324E-02	9.93911E-02	1.55968E-03	3.02067E-03	7.59598E-04
46 TOTAL ..	4.72458E-02	1.37493E-02	4.17615E-02	2.20337E-03	3.59178E-03	6.36290E-04
47 TOTAL ..	4.63814E-02	1.37498E-02	4.88665E-02	2.24297E-03	3.62759E-03	6.52882E-04
48 TOTAL ..	4.18823E-02	2.65047E-03	2.53696E-02	2.67613E-03	3.85050E-03	1.20225E-03
49 TOTAL ..	4.18827E-02	5.08528E-03	1.41446E-02	2.72089E-03	3.87063E-03	1.23652E-03
50 TOTAL ..	0.	0.	0.	0.	0.	0.
51 TOTAL ..	4.18833E-02	9.35547E-03	4.71713E-03	2.77517E-03	3.89468E-03	1.27598E-03
52 TOTAL ..	0.	0.	0.	0.	0.	0.
53 TOTAL ..	4.18896E-02	6.34437E-02	1.54448E-01	3.38349E-03	4.11893E-03	1.46508E-03
54 TOTAL ..	4.18846E-02	7.76377E-02	1.94595E-01	3.54451E-03	4.17220E-03	1.45292E-03

55 TOTAL..	3.61535E-02	9.79833E-02	2.11105E-01	4.00354E-03	4.38666E-03	1.37232E-03
56 TOTAL..	3.69054E-02	9.79996E-02	1.93947E-01	4.06552E-03	4.44339E-03	1.38224E-03
57 TOTAL..	0.	0.	0.	0.	0.	0.
58 TOTAL..	7.90439E-02	9.81251E-02	1.40453E-01	4.41551E-03	4.92948E-03	1.51401E-03
59 TOTAL..	2.13744E-01	9.82754E-02	4.50849E-01	4.41361E-03	6.09127E-03	1.89227E-03
60 TOTAL..	2.43832E-01	9.82849E-02	5.21156E-01	4.31093E-03	6.33771E-03	1.98997E-03
61 TOTAL..	1.99552E-01	9.56142E-02	6.18342E-01	3.98015E-03	6.74506E-03	2.22025E-03
62 TOTAL..	1.86559E-01	1.00838E-01	6.25990E-01	3.95484E-03	6.77650E-03	2.25392E-03
63 TOTAL..	0.	0.	0.	0.	0.	0.
64 TOTAL..	1.58312E-01	1.20317E-01	6.45862E-01	3.89021E-03	6.85467E-03	2.34215E-03
65 TOTAL..	1.53153E-01	1.55772E-01	5.86981E-01	3.46391E-03	7.44340E-03	2.73996E-03
66 TOTAL..	1.88684E-01	1.26820E-01	4.36495E-01	3.30344E-03	7.65980E-03	2.93628E-03
67 TOTAL..	3.20987E-01	5.02297E-02	8.82383E-02	2.96331E-03	8.11360E-03	3.34280E-03
68 TOTAL..	0.	0.	0.	0.	0.	0.
69 TOTAL..	3.81951E-01	4.94158E-02	1.41998E-01	2.85408E-03	8.15335E-03	3.46147E-03
70 TOTAL..	3.82228E-01	4.94999E-02	1.42572E-01	2.85364E-03	8.15306E-03	3.46193E-03
71 TOTAL..	5.30225E-01	3.51594E-02	2.00689E-01	2.63222E-03	7.69156E-03	3.69092E-03
72 TOTAL..	5.51481E-01	3.51126E-02	1.92446E-01	2.62246E-03	7.66147E-03	3.71165E-03

73 TOTAL..	0.	0.	0.	0.	0.	0.
74 TOTAL..	5.72080E-01	3.86521E-02	1.84572E-01	2.61342E-03	7.63239E-03	3.73193E-03
75 TOTAL..	0.	0.	0.	0.	0.	0.
76 TOTAL..	6.33660E-01	6.17165E-02	1.61823E-01	2.58376E-03	7.53591E-03	3.79133E-03
77 TOTAL..	7.42796E-01	1.16533E-01	1.25044E-01	2.57373E-03	7.50454E-03	3.80530E-03
78 TOTAL..	6.59145E-01	1.16533E-01	1.11797E-01	2.57373E-03	7.50454E-03	3.80529E-03
79 TOTAL..	7.78834E-01	1.35639E-01	1.14418E-01	2.56656E-03	7.49305E-03	3.81947E-03
80 TOTAL..	8.51773E-01	1.74842E-01	9.67671E-02	2.55247E-03	7.47236E-03	3.84825E-03
81 TOTAL..	9.29050E-01	2.17605E-01	8.65710E-02	2.31741E-03	7.17798E-03	4.35947E-03
82 TOTAL..	9.02493E-01	2.71870E-01	9.60678E-02	4.79692E-04	3.36844E-03	8.64245E-03
83 TOTAL..	7.72498E-01	2.71854E-01	9.54610E-02	4.03950E-04	3.09544E-03	8.99374E-03
84 TOTAL..	2.97363E-01	2.71756E-01	8.08452E-02	5.42028E-04	2.16081E-03	9.17224E-03
85 TOTAL..	2.96480E-01	2.71755E-01	8.08018E-02	5.42443E-04	2.15911E-03	9.17099E-03
86 TOTAL..	1.84010E-01	1.70655E-01	5.33273E-02	1.19162E-03	1.36251E-03	6.15938E-03
87 TOTAL..	1.86375E-01	1.36310E-01	4.81772E-02	1.18115E-03	1.30013E-03	6.00668E-03
88 TOTAL..	0.	0.	0.	0.	0.	0.
89 TOTAL..	1.89819E-01	8.35670E-02	4.15734E-02	1.15496E-03	1.20815E-03	5.75238E-03
90 TOTAL..	0.	0.	0.	0.	0.	0.

91 TOTAL ..	1.91282E-01	6.05764E-02	3.92769E-02	1.13836E-03	1.16857E-03	5.64161E-03
92 TOTAL ..	1.35006E-01	1.05970E-03	2.26799E-02	5.60878E-04	7.54896E-04	3.03911E-03
93 TOTAL ..	7.25359E-02	7.50780E-04	1.20642E-02	4.23784E-04	5.24489E-04	2.49923E-03
94 TOTAL ..	3.33403E-05	4.73937E-05	8.61012E-06	0.	0.	0.
95 TOTAL ..	0.	0.	0.	0.	0.	0.
96 TOTAL ..	0.	0.	0.	0.	0.	0.
97 TOTAL ..	0.	0.	0.	0.	0.	0.
98 TOTAL ..	1.00784E-01	5.94618E-02	6.37052E-02	1.38996E-03	1.08010E-03	1.11851E-03
99 TOTAL ..	1.00796E-01	5.94716E-02	6.37113E-02	1.38985E-03	1.08014E-03	1.11893E-03
100 TOTAL ..	1.04766E-01	6.34015E-02	6.51527E-02	1.36659E-03	1.08288E-03	1.25337E-03
101 TOTAL ..	1.23156E-01	6.96690E-02	7.80845E-02	1.30728E-03	1.00446E-03	2.01232E-03
102 TOTAL ..	1.26267E-01	6.96759E-02	8.02771E-02	1.31585E-03	9.92021E-04	2.06283E-03
103 TOTAL ..	2.11812E-01	6.97967E-02	1.25870E-01	1.57488E-03	8.37358E-04	2.75821E-03
104 TOTAL ..	2.28589E-01	8.00525E-02	1.33299E-01	1.95484E-03	8.90245E-04	3.01249E-03
105 TOTAL ..	2.24311E-01	1.02446E-01	1.31397E-01	2.08477E-03	9.36330E-04	3.08062E-03
106 TOTAL ..	2.20389E-01	1.19162E-01	1.30620E-01	2.27876E-03	1.01947E-03	3.15922E-03
107 TOTAL ..	1.97604E-01	1.90919E-01	1.30631E-01	2.30532E-03	1.15914E-03	3.48838E-03
108 TOTAL ..	1.74181E-01	2.45433E-01	1.30613E-01	1.92225E-03	1.25744E-03	3.80809E-03
109 TOTAL ..	0.	0.	0.	0.	0.	0.



110 TOTAL ..	1.44234E-01	2.85143E-01	1.30596E-01	1.31522E-03	1.44339E-03	4.15058E-03
111 TOTAL ..	5.19625E-02	3.06658E-01	1.30515E-01	7.33510E-04	2.35063E-03	4.91413E-03
112 TOTAL ..	3.91802E-02	2.87544E-01	1.30451E-01	1.28725E-03	3.08460E-03	5.32379E-03
113 TOTAL ..	0.	0.	0.	0.	0.	0.
114 TOTAL ..	1.85138E-01	2.28665E-01	1.30344E-01	1.83017E-03	3.62855E-03	6.03337E-03
115 TOTAL ..	2.13553E-01	2.16134E-01	1.30312E-01	1.84462E-03	3.54754E-03	6.16712E-03
116 TOTAL ..	2.43817E-01	1.45218E-01	1.04708E-01	1.74581E-03	3.03693E-03	6.40622E-03
117 TOTAL ..	2.43832E-01	1.06746E-01	8.97000E-02	1.68013E-03	2.90249E-03	6.42862E-03
118 TOTAL ..	0.	0.	0.	0.	0.	0.
119 TOTAL ..	2.43871E-01	1.51669E-02	6.12154E-02	1.51976E-03	2.57645E-03	6.36544E-03
120 TOTAL ..	0.	0.	0.	0.	0.	0.
121 TOTAL ..	2.43925E-01	1.22326E-01	5.40929E-02	1.30752E-03	2.25756E-03	6.09400E-03
122 TOTAL ..	2.27600E-01	1.65811E-01	6.24667E-02	1.22130E-03	2.11049E-03	5.67541E-03
123 TOTAL ..	2.06048E-01	1.51756E-01	6.24536E-02	1.18138E-03	2.18055E-03	5.35876E-03
124 TOTAL ..	1.89084E-01	4.81828E-02	6.22296E-02	1.12299E-03	2.54111E-03	3.48614E-03
125 TOTAL ..	2.39814E-01	2.43471E-02	6.21156E-02	1.04310E-03	2.55385E-03	3.17574E-03
126 TOTAL ..	2.45664E-01	2.40879E-02	5.91070E-02	9.07657E-04	2.63137E-03	3.03253E-03
127 TOTAL ..	2.42407E-01	2.40865E-02	5.82585E-02	8.92445E-04	2.65595E-03	3.02548E-03

128 TOTAL..	0.	0.	0.	0.	0.	0.
129 TOTAL..	2.20782E-01	2.40674E-02	5.79304E-02	7.64508E-04	3.19121E-03	2.95861E-03
130 TOTAL..	3.00778E-01	2.40141E-02	9.75846E-02	1.38491E-03	4.86337E-03	2.51345E-03
131 TOTAL..	3.20546E-01	2.40034E-02	1.13106E-01	1.54460E-03	5.16222E-03	2.32576E-03
132 TOTAL..	3.32772E-01	6.48720E-03	7.85701E-02	1.78954E-03	5.53376E-03	1.83908E-03
133 TOTAL..	3.32772E-01	3.60271E-03	6.26480E-02	1.83942E-03	5.58308E-03	1.79527E-03
134 TOTAL..	0.	0.	0.	0.	0.	0.
135 TOTAL..	3.32773E-01	2.11519E-02	2.29086E-02	2.04152E-03	5.77082E-03	1.62299E-03
136 TOTAL..	0.	0.	0.	0.	0.	0.
137 TOTAL..	3.32775E-01	8.39666E-02	3.16298E-01	2.91969E-03	6.28146E-03	8.96605E-04
138 TOTAL..	3.32729E-01	8.08592E-02	9.58204E-01	4.72908E-03	6.41395E-03	1.12091E-03
139 TOTAL..	3.32710E-01	6.07116E-02	1.08651E+00	5.09997E-03	6.39893E-03	1.55728E-03
140 TOTAL..	3.28800E-01	5.09446E-02	1.09536E+00	5.43237E-03	6.39642E-03	2.28326E-03
141 TOTAL..	3.25804E-01	5.09464E-02	1.00926E+00	5.61810E-03	6.48288E-03	2.58901E-03
142 TOTAL..	0.	0.	0.	0.	0.	0.
143 TOTAL..	3.71046E-01	5.09530E-02	6.96144E-01	5.98220E-03	7.00484E-03	3.20483E-03
144 TOTAL..	6.21103E-01	5.09550E-02	8.26058E-02	5.00845E-03	8.83528E-03	3.14662E-03
145 TOTAL..	6.57985E-01	5.09537E-02	3.42699E-02	4.79374E-03	9.14784E-03	3.08454E-03

146 TOTAL ..	0.	0.	0.	0.	0.	0.
147 TOTAL ..	7.07511E-01	5.09520E-02	1.07918E-01	4.51650E-03	9.59594E-03	3.05030E-03
148 TOTAL ..	6.95128E-01	1.51343E-02	1.84693E-01	4.14139E-03	9.98629E-03	3.12937E-03
149 TOTAL ..	6.80865E-01	2.89561E-03	2.09448E-01	4.06124E-03	1.00078E-02	3.15410E-03
150 TOTAL ..	0.	0.	0.	0.	0.	0.
151 TOTAL ..	5.73483E-01	1.19322E-01	4.48784E-01	3.52147E-03	9.65860E-03	3.28807E-03
152 TOTAL ..	4.40217E-01	2.85053E-01	7.78995E-01	3.02660E-03	7.62900E-03	3.22405E-03
153 TOTAL ..	4.29198E-01	3.19014E-01	8.54734E-01	2.60022E-03	5.82390E-03	3.31113E-03
154 TOTAL ..	4.32899E-01	3.19016E-01	8.61013E-01	2.56270E-03	5.53126E-03	3.32267E-03
155 TOTAL ..	4.72562E-01	3.19026E-01	9.14289E-01	1.86737E-03	3.00430E-03	3.36500E-03
156 TOTAL ..	4.76881E-01	3.15204E-01	9.21771E-01	7.63158E-04	1.84273E-03	3.55224E-03
157 TOTAL ..	4.75219E-01	3.12458E-01	9.21412E-01	6.67836E-04	1.78827E-03	3.52203E-03
158 TOTAL ..	0.	0.	0.	0.	0.	0.
159 TOTAL ..	4.74257E-01	3.02140E-01	9.21935E-01	5.65330E-04	1.77607E-03	3.43009E-03
160 TOTAL ..	4.75781E-01	2.94619E-01	9.23042E-01	5.75706E-04	1.75583E-03	3.42083E-03
161 TOTAL ..	4.78558E-01	2.84412E-01	9.24729E-01	5.97028E-04	1.79841E-03	3.40830E-03
162 TOTAL ..	4.86498E-01	2.84412E-01	9.24827E-01	5.97028E-04	1.79841E-03	3.40830E-03
163 TOTAL ..	4.85552E-01	2.65609E-01	9.28303E-01	6.47503E-04	1.82127E-03	3.38296E-03
164 TOTAL ..	4.90734E-01	2.55928E-01	9.30646E-01	8.53785E-04	1.94894E-03	3.30430E-03

165 TOTAL...	4.94192E-01	2.50601E-01	9.32129E-01	8.96632E-04	1.98352E-03	3.28981E-03
166 TOTAL...	0.	0.	0.	0.	0.	0.
167 TOTAL...	5.38633E-01	1.95205E-01	9.50130E-01	1.26704E-03	2.35639E-03	3.13634E-03
168 TOTAL...	6.69972E-01	6.64302E-02	1.00199E+00	1.60946E-03	2.88792E-03	2.71100E-03
169 TOTAL...	7.46061E-01	2.68071E-03	1.03243E+00	1.54503E-03	2.97848E-03	2.43618E-03
170 TOTAL...	0.	0.	0.	0.	0.	0.
171 TOTAL...	7.53432E-01	4.21514E-03	1.03541E+00	1.53149E-03	2.98268E-03	2.40831E-03
172 TOTAL...	7.68055E-01	2.84678E-02	1.05913E+00	1.30383E-03	3.05158E-03	2.11292E-03
173 TOTAL...	7.55820E-01	2.84679E-02	1.06614E+00	1.27600E-03	3.66725E-03	2.05159E-03
174 TOTAL...	7.51428E-01	2.84678E-02	1.06872E+00	1.26811E-03	3.07435E-03	2.03015E-03
175 TOTAL...	7.54520E-01	2.10174E-02	1.04666E+00	1.27388E-03	3.09520E-03	1.76979E-03
176 TOTAL...	8.11026E-01	3.06449E-02	9.47841E-01	1.33138E-03	2.85054E-03	1.55221E-03
177 TOTAL...	0.	0.	0.	0.	0.	0.
178 TOTAL...	8.71656E-01	5.12592E-02	8.40463E-01	1.55845E-03	1.68399E-03	1.24215E-03
179 TOTAL...	8.71720E-01	5.12798E-02	8.40345E-01	1.55895E-03	1.68130E-03	1.24165E-03
180 TOTAL...	8.81416E-01	5.18464E-02	8.23776E-01	1.49051E-03	1.02622E-03	9.00950E-04
181 TOTAL...	8.85122E-01	5.18430E-02	8.16811E-01	1.49444E-03	9.61468E-04	8.73084E-04
182 TOTAL...	8.87381E-01	4.91243E-02	8.10354E-01	1.25575E-03	1.54534E-03	6.18368E-04

183 TOTAL ..	8.83036E-01	4.75829E-02	8.17495E-01	1.21557E-03	1.74852E-03	5.84512E-04
184 TOTAL ..	8.40844E-01	3.09800E-02	8.23449E-01	1.02739E-03	3.51102E-03	4.74820E-04
185 TOTAL ..	8.32837E-01	2.82435E-02	8.18658E-01	1.01292E-03	3.62524E-03	4.63433E-04
186 TOTAL ..	7.67306E-01	1.00670E-02	7.79639E-01	8.91774E-04	4.39383E-03	3.89747E-04
187 TOTAL ..	7.29877E-01	2.58307E-03	7.50030E-01	8.09720E-04	4.76746E-03	3.61019E-04
188 TOTAL ..	7.27415E-01	2.34080E-03	7.47508E-01	8.03410E-04	4.79230E-03	3.59466E-04
189 TOTAL ..	5.87700E-01	1.91613E-02	6.03970E-01	5.05805E-04	5.76741E-03	2.98359E-04
190 TOTAL ..	2.73178E-01	2.57656E-02	2.80793E-01	1.55543E-04	5.72395E-03	2.80779E-04
191 TOTAL ..	3.76283E-02	5.59810E-03	3.87521E-02	1.63128E-04	2.69513E-03	2.08126E-04
192 TOTAL ..	9.69797E-06	7.48905E-06	2.95152E-05	0.	0.	0.
193 TOTAL ..	0.	0.	0.	0.	0.	0.
194 TOTAL ..	0.	0.	0.	0.	0.	0.
195 TOTAL ..	0.	0.	0.	0.	0.	0.

# RESPONSE SPECTRUM STRESS COMPONENTS (KIND = 2)

OR EACH ELEMENT, THE FOLLOWING INFORMATION IS PRINTED

1. FOR EACH EARTH QUAKE DIRECTION; THE NUMBER OF THE MODE WITH THE LARGEST STRESS.
  2. THE VALUE OF THAT STRESS.
  3. IF REQUESTED; THE MODE BY MODE STRESSES FOR EACH EARTH QUAKE DIRECTION.
  4. THE RESULTANT FOR EACH EARTH QUAKE DIRECTION.
  5. THE GRAND TOTAL OF THE THREE EARTH QUAKE DIRECTIONS.
- (NOTE THE X, Y, OR Z REFERS TO THE EARTH QUAKE DIRECTION.)

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)
X	12	3	9	9	9	12	12	3	9	9	9	12
X MAXIMUM	-8.064E+02	-6.130E+02	1.637E+03	-5.244E+04	-1.480E+05	-8.165E+04	-8.064E+02	-6.130E+02	1.637E+03	-5.244E+04	-1.216E+05	-7.247E+04
Y	9	27	9	9	9	27	9	27	9	9	9	27
Y MAXIMUM	-5.536E+02	-1.049E+03	-2.314E+03	7.414E+04	2.093E+05	-7.722E+04	-5.536E+02	-1.049E+03	-2.314E+03	7.414E+04	1.720E+05	-6.031E+04
Z	12	12	12	11	12	12	12	12	12	11	12	12
Z MAXIMUM	-1.353E+03	-9.556E+02	1.082E+03	1.644E+04	-1.160E+05	-1.371E+05	-1.353E+03	-9.556E+02	1.082E+03	1.644E+04	-9.856E+04	-1.216E+05
GRAND TOTAL	2.273E+03	2.287E+03	3.719E+03	1.050E+05	3.516E+05	2.299E+05	2.273E+03	2.287E+03	3.719E+03	1.050E+05	2.920E+05	1.987E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	3	9	9	9	12	12	3	9	9	9	12
X MAXIMUM	-8.062E+02	-6.129E+02	1.637E+03	-5.240E+04	-1.216E+05	-7.247E+04	-8.062E+02	-6.129E+02	1.637E+03	-5.240E+04	-7.458E+04	-5.610E+04
Y	9	27	9	9	9	27	9	27	9	9	9	27
Y MAXIMUM	-5.539E+02	-1.049E+03	-2.314E+03	7.409E+04	1.720E+05	-6.031E+04	-5.539E+02	-1.049E+03	-2.314E+03	7.409E+04	1.054E+05	-5.207E+04
Z	12	12	12	11	12	12	12	12	12	11	12	12
Z MAXIMUM	-1.353E+03	-9.560E+02	1.083E+03	1.643E+04	-9.856E+04	-1.216E+05	-1.353E+03	-9.560E+02	1.083E+03	1.643E+04	-6.743E+04	-9.416E+04
GRAND TOTAL	2.273E+03	2.287E+03	3.719E+03	1.049E+05	2.920E+05	1.987E+05	2.273E+03	2.287E+03	3.719E+03	1.049E+05	1.859E+05	1.499E+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)
X	12	3	9	9	9	12	12	3	9	9	9	12
X MAXIMUM	-8.069E+02	-6.132E+02	1.637E+03	-5.248E+04	-7.454E+04	-5.609E+04	-8.069E+02	-6.132E+02	1.637E+03	-5.248E+04	-6.003E+04	-5.105E+04
Y	9	27	9	9	9	27	9	27	9	9	9	27
Y MAXIMUM	-5.526E+02	-1.049E+03	-2.314E+03	7.420E+04	1.054E+05	-5.204E+04	-5.526E+02	-1.049E+03	-2.314E+03	7.420E+04	8.487E+04	-5.338E+04
Z	12	12	12	11	12	12	12	12	12	11	12	12
Z MAXIMUM	-1.354E+03	-9.548E+02	1.082E+03	1.644E+04	-6.743E+04	-9.415E+04	-1.354E+03	-9.548E+02	1.082E+03	1.644E+04	-5.784E+04	-8.569E+04
GRAND TOTAL	2.274E+03	2.287E+03	3.719E+03	1.050E+05	1.859E+05	1.498E+05	2.274E+03	2.287E+03	3.719E+03	1.050E+05	1.535E+05	1.377E+05

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	12	3	9	9	9	12	12	12	9	9	9	12
X MAXIMUM	-8.052E+02	5.947E+02	-1.639E+03	-5.234E+04	5.905E+04	5.008E+04	-7.318E+02	6.462E+02	-1.639E+03	-4.493E+04	6.199E+04	4.898E+04
Y	9	27	9	9	9	9	9	27	9	9	9	9
Y MAXIMUM	-5.559E+02	1.053E+03	2.317E+03	7.400E+04	-8.349E+04	5.579E+04	-5.623E+02	1.006E+03	2.317E+03	6.352E+04	-8.765E+04	5.589E+04
Z	12	12	12	11	12	12	12	12	12	15	12	12
Z MAXIMUM	-1.351E+03	9.268E+02	-1.110E+03	1.643E+04	6.020E+04	8.405E+04	-1.228E+03	1.085E+03	-1.110E+03	1.345E+04	5.945E+04	8.220E+04
GRAND TOTAL	2.272E+03	2.251E+03	3.741E+03	1.048E+05	1.537E+05	1.376E+05	2.219E+03	2.304E+03	3.741E+03	9.008E+04	1.562E+05	1.351E+05

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	12	9	9	9	12
X MAXIMUM	6.533E+02	7.307E+02	-1.639E+03	-3.722E+04	6.401E+04	4.771E+04
Y	27	27	9	9	9	9
Y MAXIMUM	5.677E+02	9.440E+02	2.317E+03	5.262E+04	-9.051E+04	5.586E+04
Z	12	12	12	15	12	12
Z MAXIMUM	-1.087E+03	1.226E+03	-1.110E+03	1.343E+04	5.783E+04	8.708E+04
GRAND TOTAL	2.166E+03	2.353E+03	3.741E+03	7.651E+04	1.567E+05	1.324E+05

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)
X	3	12	9	9	9	12	3	12	9	9	9	12
X MAXIMUM	7.694E+02	-7.475E+02	1.524E+03	-2.880E+04	-6.501E+04	-4.762E+04	7.694E+02	-7.475E+02	1.524E+03	-2.880E+04	-6.490E+04	-4.757E+04
Y	9	27	9	9	9	9	9	27	9	9	9	9
Y MAXIMUM	-1.021E+03	-9.403E+02	-2.154E+03	4.073E+04	9.192E+04	-6.303E+04	-1.021E+03	-9.403E+02	-2.154E+03	4.073E+04	9.176E+04	-6.303E+04
Z	12	12	12	12	12	12	12	12	12	12	12	12
Z MAXIMUM	-8.459E+02	-1.255E+03	1.276E+03	-1.647E+04	-5.564E+04	-7.994E+04	-8.459E+02	-1.255E+03	1.276E+03	-1.647E+04	-5.555E+04	-7.984E+04
GRAND TOTAL	2.186E+03	2.390E+03	3.706E+03	6.465E+04	1.568E+05	1.365E+05	2.186E+03	2.390E+03	3.706E+03	6.465E+04	1.565E+05	1.383E+05

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	9	12	9	12	9	9	9	12	9	9	9
X MAXIMUM	6.563E+02	1.637E+03	7.475E+02	-3.708E+04	-4.857E+04	6.490E+04	1.001E+03	1.357E+03	7.475E+02	-1.970E+04	4.933E+04	5.596E+04
Y	9	9	27	9	9	9	9	9	27	9	9	9
Y MAXIMUM	-5.731E+02	-2.314E+03	9.403E+02	5.243E+04	-5.369E+04	-9.176E+04	-1.16E+03	-1.918E+03	9.403E+02	2.785E+04	-6.975E+04	-7.912E+04
Z	12	12	12	15	12	12	12	12	12	12	12	12
Z MAXIMUM	-1.082E+03	1.082E+03	1.255E+03	1.328E+04	-8.152E+04	5.555E+04	-5.853E+02	1.414E+03	1.255E+03	-3.006E+04	-6.799E+04	4.809E+04
GRAND TOTAL	2.165E+03	3.719E+03	2.390E+03	7.624E+04	1.323E+05	1.565E+05	2.354E+03	3.602E+03	2.390E+03	5.994E+04	1.322E+05	1.351E+05

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	32	12	12	9	9
X MAXIMUM	1.445E+03	1.095E+03	7.475E+02	-3.120E+04	5.317E+04	4.931E+04
Y	9	9	27	32	9	9
Y MAXIMUM	-2.043E+03	-1.230E+03	9.403E+02	9.742E+03	-7.517E+04	-6.972E+04
Z	15	12	12	12	12	12
Z MAXIMUM	-5.042E+02	1.531E+03	1.255E+03	-5.237E+04	-4.408E+04	3.930E+04
GRAND TOTAL	2.928E+03	3.153E+03	2.390E+03	7.241E+04	1.193E+05	1.161E+05



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)
X	9	12	32	12	9	9	9	12	32	12	9	9
X MAXIMUM	1.444E+03	-7.475E+02	1.095E+03	-3.117E+04	-4.931E+04	5.317E+04	1.444E+03	-7.475E+02	1.095E+03	-3.117E+04	-4.404E+04	5.322E+04
Y	9	27	9	32	9	9	9	27	9	32	9	9
Y MAXIMUM	-2.041E+03	-9.403E+02	-1.232E+03	9.744E+03	6.972E+04	-7.517E+04	-2.041E+03	-9.403E+02	-1.232E+03	9.744E+03	6.226E+04	-7.525E+04
Z	15	12	12	12	12	12	15	12	12	12	12	12
Z MAXIMUM	-5.042E+02	-1.255E+03	1.531E+03	-5.233E+04	-3.930E+04	-4.414E+04	-5.042E+02	-1.255E+03	1.531E+03	-5.233E+04	-3.003E+04	-3.654E+04
GRAND TOTAL	2.927E+03	2.390E+03	3.154E+03	7.235E+04	1.161E+05	1.193E+05	2.927E+03	2.390E+03	3.154E+03	7.235E+04	9.960E+04	1.149E+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)
X	9	12	32	12	9	9	9	12	32	12	9	9
X MAXIMUM	1.446E+03	-7.475E+02	1.094E+03	-3.122E+04	-4.404E+04	5.322E+04	1.446E+03	-7.475E+02	1.094E+03	-3.122E+04	-4.134E+04	5.325E+04
Y	9	27	9	32	9	9	9	27	9	32	9	9
Y MAXIMUM	-2.044E+03	-9.403E+02	-1.227E+03	9.739E+03	6.226E+04	-7.525E+04	-2.044E+03	-9.403E+02	-1.227E+03	9.739E+03	5.845E+04	-7.528E+04
Z	15	12	12	12	12	12	15	12	12	12	12	12
Z MAXIMUM	-5.043E+02	-1.255E+03	1.531E+03	-5.241E+04	-3.003E+04	-3.642E+04	-5.043E+02	-1.255E+03	1.531E+03	-5.241E+04	-2.528E+04	-3.252E+04
GRAND TOTAL	2.930E+03	2.390E+03	3.151E+03	7.246E+04	9.960E+04	1.149E+05	2.930E+03	2.390E+03	3.151E+03	7.246E+04	9.152E+04	1.133E+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)
X	9	12	32	12	9	9	9	12	32	12	9	9
X MAXIMUM	1.428E+03	-7.068E+02	9.419E+02	-3.118E+04	-4.134E+04	5.325E+04	1.428E+03	-7.068E+02	9.419E+02	-3.118E+04	-3.994E+04	5.332E+04
Y	9	27	9	32	9	9	9	27	9	32	9	9
Y MAXIMUM	-2.018E+03	-8.651E+02	-1.158E+03	9.744E+03	5.845E+04	-7.528E+04	-2.018E+03	-8.651E+02	-1.158E+03	9.744E+03	5.647E+04	-7.539E+04
Z	15	12	12	12	12	12	15	12	12	12	12	12
Z MAXIMUM	-5.026E+02	-1.186E+03	1.481E+03	-5.234E+04	-2.528E+04	-3.263E+04	-5.026E+02	-1.186E+03	1.481E+03	-5.234E+04	-2.275E+04	-3.061E+04
GRAND TOTAL	2.893E+03	2.262E+03	2.936E+03	7.238E+04	9.152E+04	1.134E+05	2.893E+03	2.262E+03	2.936E+03	7.238E+04	8.748E+04	1.129E+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)
X	9	12	32	12	9	9	9	12	32	12	9	9
X MAXIMUM	1.428E+03	-7.068E+02	9.418E+02	-3.120E+04	-3.994E+04	5.332E+04	1.428E+03	-7.068E+02	9.418E+02	-3.120E+04	-3.078E+04	5.381E+04
Y	9	27	9	32	9	9	9	27	9	32	9	9
Y MAXIMUM	-2.019E+03	-8.651E+02	-1.157E+03	9.742E+03	5.647E+04	-7.539E+04	-2.019E+03	-8.651E+02	-1.157E+03	9.742E+03	4.352E+04	-7.608E+04
Z	15	12	12	12	12	12	15	12	12	12	12	15
Z MAXIMUM	-5.026E+02	-1.186E+03	1.481E+03	-5.236E+04	-2.275E+04	-3.057E+04	-5.026E+02	-1.186E+03	1.481E+03	-5.236E+04	7.505E+03	-2.760E+04
GRAND TOTAL	2.894E+03	2.262E+03	2.935E+03	7.240E+04	8.748E+04	1.128E+05	2.894E+03	2.262E+03	2.935E+03	7.240E+04	6.448E+04	1.128E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	23	32	32	0	32	32	23	32	32	0	9	23
X MAXIMUM	9.945E+01	-2.004E+02	-3.320E+02	0	1.693E+03	-1.022E+03	9.945E+01	-2.004E+02	-3.320E+02	0	-1.221E-04	-6.104E-05
Y	27	32	32	0	32	32	27	32	32	0	9	9
Y MAXIMUM	-1.683E+02	-1.610E+02	-2.666E+02	0	1.360E+03	-8.210E+02	-1.683E+02	-1.610E+02	-2.666E+02	0	2.441E-04	-2.441E-04
Z	12	32	32	0	32	32	12	32	32	0	15	12
Z MAXIMUM	-1.540E+02	-1.359E+02	-2.250E+02	0	1.148E+03	-6.929E+02	-1.540E+02	-1.359E+02	-2.250E+02	0	-6.104E-05	4.883E-04
GRAND TOTAL	3.775E+02	3.518E+02	5.559E+02	0	2.835E+03	1.794E+03	3.775E+02	3.518E+02	5.559E+02	0	3.122E-04	6.100E-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)
X	9	8	12	12	9	9	9	8	12	12	3	9
X MAXIMUM	1.408E+03	-5.423E+02	7.595E+02	-3.182E+04	-3.078E+04	5.391E+04	1.408E+03	-5.423E+02	7.595E+02	-3.182E+04	-2.203E+04	5.745E+04
Y	9	27	9	14	9	9	9	27	9	14	9	9
Y MAXIMUM	-1.991E+03	-5.284E+02	-7.962E+02	-7.633E+03	4.352E+04	-7.622E+04	-1.991E+03	-5.284E+02	-7.962E+02	-7.633E+03	3.078E+04	-8.122E+04
Z	15	12	12	12	7	15	15	12	12	12	12	15
Z MAXIMUM	-5.273E+02	-8.784E+02	1.275E+03	-5.341E+04	7.505E+03	-2.748E+04	-5.273E+02	-8.784E+02	1.275E+03	-5.341E+04	1.424E+04	-3.021E+04
GRAND TOTAL	2.850E+03	1.773E+03	2.058E+03	7.270E+04	6.448E+04	1.128E+05	2.850E+03	1.773E+03	2.058E+03	7.270E+04	5.272E+04	1.258E+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)
X	9	8	12	12	3	9	9	8	12	12	3	9
X MAXIMUM	1.409E+03	-5.423E+02	7.595E+02	-3.182E+04	-2.203E+04	5.745E+04	1.409E+03	-5.423E+02	7.595E+02	-3.182E+04	-2.215E+04	5.812E+04
Y	9	27	9	14	9	9	9	27	9	14	9	9
Y MAXIMUM	-1.992E+03	-5.284E+02	-7.946E+02	-7.630E+03	3.078E+04	-8.122E+04	-1.992E+03	-5.284E+02	-7.946E+02	-7.630E+03	2.838E+04	-8.217E+04
Z	15	12	12	12	12	15	15	12	12	12	12	15
Z MAXIMUM	-5.273E+02	-8.784E+02	1.275E+03	-5.341E+04	1.424E+04	-3.020E+04	-5.273E+02	-8.784E+02	1.275E+03	-5.341E+04	1.809E+04	-3.071E+04
GRAND TOTAL	2.851E+03	1.773E+03	2.057E+03	7.271E+04	5.272E+04	1.257E+05	2.851E+03	1.773E+03	2.057E+03	7.271E+04	5.257E+04	1.287E+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)
X	9	8	12	12	3	9	9	8	12	12	3	9
X MAXIMUM	1.410E+03	-5.416E+02	7.597E+02	-3.182E+04	-2.215E+04	5.812E+04	1.410E+03	-5.416E+02	7.597E+02	-3.182E+04	-2.227E+04	5.872E+04
Y	9	27	9	14	9	9	9	27	9	14	9	9
Y MAXIMUM	-1.994E+03	-5.359E+02	-7.903E+02	-7.621E+03	2.838E+04	-8.217E+04	-1.994E+03	-5.359E+02	-7.903E+02	-7.621E+03	2.603E+04	-8.303E+04
Z	15	12	12	12	12	15	15	12	12	12	12	15
Z MAXIMUM	-5.273E+02	-8.991E+02	1.275E+03	-5.341E+04	1.809E+04	-3.069E+04	-5.273E+02	-8.991E+02	1.275E+03	-5.341E+04	2.187E+04	-3.117E+04
GRAND TOTAL	2.853E+03	1.787E+03	2.055E+03	7.271E+04	5.257E+04	1.287E+05	2.853E+03	1.787E+03	2.055E+03	7.271E+04	5.314E+04	1.318E+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(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	8	12	12	3	9	9	9	12	12	3	9
X MAXIMUM	1.408E+03	5.416E+02	-7.594E+02	-3.183E+04	2.227E+04	-5.872E+04	1.141E+03	-8.504E+02	-7.594E+02	-3.506E+04	1.243E+04	-5.472E+04
Y	9	27	9	14	9	9	9	9	9	9	9	9
Y MAXIMUM	-1.991E+03	5.359E+02	7.974E+02	-7.638E+03	-2.603E+04	8.303E+04	-1.613E+03	1.202E+03	7.974E+02	-1.425E+04	-1.062E+04	7.736E+04
Z	15	12	12	12	12	15	12	12	12	12	15	15
Z MAXIMUM	-5.272E+02	8.991E+02	-1.275E+03	-5.342E+04	-2.187E+04	3.120E+04	5.524E+02	7.192E+02	-1.275E+03	-5.884E+04	9.468E+03	3.059E+04
GRAND TOTAL	2.850E+03	1.787E+03	2.059E+03	7.272E+04	5.314E+04	1.318E+05	2.811E+03	1.847E+03	2.059E+03	8.284E+04	3.276E+04	1.317E+05

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	8	9	12	12	12	9
X MAXIMUM	5.418E+02	-1.408E+03	-7.594E+02	-2.443E+04	2.043E+04	-4.069E+04
Y	27	9	9	9	9	9
Y MAXIMUM	5.361E+02	1.991E+03	7.974E+02	-1.408E+04	1.102E+04	5.753E+04
Z	12	15	12	12	12	15
Z MAXIMUM	8.991E+02	5.272E+02	-1.275E+03	-4.100E+04	3.429E+04	2.571E+04
GRAND TOTAL	1.787E+03	2.850E+03	2.059E+03	6.529E+04	5.062E+04	1.095E+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)
X	8	3	9	12	8	9	8	3	9	12	8	9
X MAXIMUM	5.416E+02	6.911E+02	1.373E+03	-2.442E+04	-2.484E+04	3.508E+04	5.416E+02	6.911E+02	1.373E+03	-2.442E+04	-2.149E+04	2.957E+04
Y	27	9	9	9	9	9	27	9	9	9	8	9
Y MAXIMUM	5.359E+02	-9.126E+02	-1.941E+03	-1.407E+04	3.116E+04	-4.960E+04	5.359E+02	-9.126E+02	-1.941E+03	-1.407E+04	-1.979E+04	-4.181E+04
Z	12	12	12	12	12	15	12	12	12	12	12	15
Z MAXIMUM	8.991E+02	-9.553E+02	8.521E+02	-4.099E+04	-3.723E+04	-2.568E+04	8.991E+02	-9.553E+02	8.521E+02	-4.099E+04	-2.996E+04	-2.253E+04
GRAND TOTAL	1.787E+03	2.003E+03	2.889E+03	6.528E+04	8.168E+04	8.879E+04	1.787E+03	2.003E+03	2.889E+03	6.528E+04	6.267E+04	7.584E+04

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)
X	8	3	9	12	8	9	8	3	9	12	8	8
X MAXIMUM	5.522E+02	6.918E+02	1.167E+03	-2.442E+04	-2.149E+04	2.957E+04	5.522E+02	6.918E+02	1.167E+03	-2.442E+04	-1.486E+04	1.677E+04
Y	8	9	9	9	8	9	8	9	9	9	9	9
Y MAXIMUM	5.084E+02	-9.708E+02	-1.650E+03	-1.407E+04	-1.979E+04	-4.181E+04	5.084E+02	-9.708E+02	-1.650E+03	-1.407E+04	-1.686E+04	-2.330E+04
Z	12	12	12	12	12	15	12	12	12	12	12	15
Z MAXIMUM	6.979E+02	-7.500E+02	6.834E+02	-4.099E+04	-2.996E+04	-2.253E+04	6.979E+02	-7.500E+02	6.834E+02	-4.099E+04	-1.693E+04	-1.710E+04
GRAND TOTAL	1.621E+03	1.855E+03	2.469E+03	6.528E+04	6.267E+04	7.584E+04	1.621E+03	1.855E+03	2.469E+03	6.528E+04	4.207E+04	5.175E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	8	3	9	12	8	8	8	3	9	12	9	8
X MAXIMUM	5.522E+02	6.918E+02	1.167E+03	-2.442E+04	-1.486E+04	1.677E+04	5.522E+02	6.918E+02	1.167E+03	-2.442E+04	2.341E+04	1.402E+04
Y	8	9	9	9	9	9	8	9	9	9	9	9
Y MAXIMUM	5.084E+02	-9.708E+02	-1.650E+03	-1.407E+04	-1.686E+04	-2.330E+04	5.084E+02	-9.708E+02	-1.650E+03	-1.407E+04	-3.310E+04	-1.375E+04
Z	12	12	12	12	12	15	12	12	12	12	12	12
Z MAXIMUM	6.979E+02	-7.500E+02	6.834E+02	-4.099E+04	-1.693E+04	-1.710E+04	6.979E+02	-7.500E+02	6.834E+02	-4.099E+04	-1.020E+04	1.945E+04
GRAND TOTAL	1.621E+03	1.855E+03	2.469E+03	6.528E+04	4.207E+04	5.175E+04	1.621E+03	1.855E+03	2.469E+03	6.528E+04	4.889E+04	4.551E+04

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)
X	9	3	9	3	8	12	9	3	9	3	8	12
X MAXIMUM	1.048E+03	8.768E+02	6.606E+02	2.695E+04	2.800E+04	2.156E+04	1.048E+03	8.768E+02	6.606E+02	2.695E+04	2.648E+04	2.267E+04
Y	9	9	9	16	8	9	9	9	9	16	9	9
Y MAXIMUM	-1.482E+03	-7.742E+02	-9.340E+02	-1.393E+04	2.578E+04	-2.526E+04	-1.482E+03	-7.742E+02	-9.340E+02	-1.393E+04	-3.355E+04	-1.670E+04
Z	15	15	12	12	15	12	15	15	12	12	7	12
Z MAXIMUM	-4.473E+02	-6.432E+02	7.018E+02	-3.996E+04	9.741E+03	3.619E+04	-4.473E+02	-6.432E+02	7.018E+02	-3.996E+04	8.63E+03	3.805E+04
GRAND TOTAL	2.074E+03	1.755E+03	1.810E+03	6.566E+04	5.803E+04	7.342E+04	2.074E+03	1.755E+03	1.810E+03	6.566E+04	6.257E+04	6.459E+04

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)
X	9	3	9	3	8	12	9	3	9	3	9	12
X MAXIMUM	1.048E+03	8.768E+02	6.606E+02	2.695E+04	2.648E+04	2.267E+04	1.048E+03	8.768E+02	6.606E+02	2.695E+04	4.158E+04	2.539E+04
Y	9	9	9	16	9	9	9	9	9	16	9	14
Y MAXIMUM	-1.482E+03	-7.742E+02	-9.340E+02	-1.393E+04	-3.355E+04	-1.670E+04	-1.482E+03	-7.742E+02	-9.340E+02	-1.393E+04	-5.879E+04	1.261E+04
Z	15	15	12	12	7	12	15	15	12	12	12	12
Z MAXIMUM	-4.473E+02	-6.432E+02	7.018E+02	-3.996E+04	-9.863E+03	3.805E+04	-4.473E+02	-6.432E+02	7.018E+02	-3.996E+04	2.342E+04	4.261E+04
GRAND TOTAL	2.074E+03	1.755E+03	1.810E+03	6.566E+04	6.257E+04	6.459E+04	2.074E+03	1.755E+03	1.810E+03	6.566E+04	9.286E+04	6.604E+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)
X	9	3	3	3	9	12	9	3	3	3	9	3
X MAXIMUM	1.198E+03	8.456E+02	4.709E+02	2.695E+04	4.158E+04	2.539E+04	1.198E+03	8.456E+02	4.709E+02	2.695E+04	4.358E+04	2.420E+04
Y	9	9	9	16	9	14	9	9	9	16	9	13
Y MAXIMUM	-1.693E+03	-4.641E+02	-3.901E+02	-1.393E+04	-5.879E+04	1.261E+04	-1.693E+03	-4.641E+02	-3.901E+02	-1.393E+04	-6.162E+04	-1.287E+04
Z	15	12	12	12	12	12	15	12	12	12	12	12
Z MAXIMUM	-5.987E+02	3.109E+02	3.821E+02	-3.996E+04	2.342E+04	4.261E+04	-5.987E+02	3.109E+02	3.821E+02	-3.996E+04	2.619E+04	4.036E+04
GRAND TOTAL	2.323E+03	1.330E+03	1.183E+03	6.566E+04	9.286E+04	6.604E+04	2.323E+03	1.330E+03	1.183E+03	6.566E+04	9.761E+04	6.771E+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)
X	9	3	3	3	9	3	9	3	3	3	9	3
X MAXIMUM	1.198E+03	8.456E+02	4.709E+02	2.695E+04	4.358E+04	-2.420E+04	1.198E+03	8.456E+02	4.709E+02	2.695E+04	4.432E+04	-2.646E+04
Y	9	9	9	16	9	13	9	9	9	16	9	13
Y MAXIMUM	-1.693E+03	-4.641E+02	-3.901E+02	-1.393E+04	-6.162E+04	-1.287E+04	-1.693E+03	-4.641E+02	-3.901E+02	-1.393E+04	-6.267E+04	-1.400E+04
Z	15	12	12	12	12	12	15	12	12	12	12	12
Z MAXIMUM	-5.987E+02	3.109E+02	3.821E+02	-3.996E+04	2.619E+04	4.036E+04	-5.987E+02	3.109E+02	3.821E+02	-3.996E+04	2.721E+04	3.953E+04
GRAND TOTAL	2.323E+03	1.330E+03	1.183E+03	6.566E+04	9.761E+04	6.771E+04	2.323E+03	1.330E+03	1.183E+03	6.566E+04	9.950E+04	6.866E+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(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	32	3	3	3	12	9	9	3	9	3	12
X MAXIMUM	1.198E+03	-3.731E+02	-9.310E+02	2.695E+04	-3.778E+04	-2.811E+04	8.208E+02	-8.731E+02	-9.310E+02	-2.317E+04	-5.565E+04	-2.855E+04
Y	9	32	9	16	9	9	9	9	9	9	9	9
Y MAXIMUM	-1.693E+03	-2.996E+02	6.040E+02	-1.393E+04	5.055E+04	3.807E+04	-1.160E+03	1.234E+03	6.040E+02	3.276E+04	4.780E+04	3.007E+04
Z	15	32	12	12	7	12	15	15	12	12	12	12
Z MAXIMUM	-5.987E+02	-2.529E+02	-4.900E+02	-3.996E+04	1.043E+04	-4.719E+04	-4.933E+02	3.534E+02	-4.900E+02	-2.425E+04	2.921E+04	-4.792E+04
GRAND TOTAL	2.323E+03	8.796E+02	1.547E+03	6.566E+04	8.346E+04	8.746E+04	1.626E+03	1.877E+03	1.547E+03	5.539E+04	1.030E+05	8.345E+04

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	9	3	3	3	12
X MAXIMUM	-3.731E+02	-1.198E+03	-9.310E+02	-5.174E+04	-4.092E+04	-2.897E+04
Y	32	9	9	9	9	32
Y MAXIMUM	-2.996E+02	1.693E+03	6.040E+02	5.961E+04	1.704E+04	1.219E+04
Z	32	15	12	7	12	12
Z MAXIMUM	-2.529E+02	5.987E+02	-4.900E+02	1.214E+04	3.261E+04	-4.862E+04
GRAND TOTAL	8.796E+02	2.323E+03	1.547E+03	1.011E+05	7.348E+04	7.610E+04

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)
X	32	9	3	3	3	12	32	9	3	3	3	12
X MAXIMUM	-3.731E+02	-1.198E+03	-9.310E+02	-5.174E+04	-4.092E+04	-2.897E+04	-3.731E+02	-1.198E+03	-9.310E+02	-5.174E+04	-4.907E+04	-2.920E+04
Y	32	9	9	9	9	32	32	9	9	9	9	32
Y MAXIMUM	-2.996E+02	1.693E+03	6.040E+02	5.961E+04	1.704E+04	1.219E+04	-2.996E+02	1.693E+03	6.040E+02	5.961E+04	2.233E+04	1.275E+04
Z	32	15	12	7	12	12	32	15	12	7	12	12
Z MAXIMUM	-2.529E+02	5.987E+02	-4.900E+02	1.214E+04	3.261E+04	-4.862E+04	-2.529E+02	5.987E+02	-4.900E+02	1.214E+04	2.832E+04	-4.902E+04
GRAND TOTAL	8.796E+02	2.323E+03	1.547E+03	1.011E+05	7.348E+04	7.610E+04	8.796E+02	2.323E+03	1.547E+03	1.011E+05	8.082E+04	7.481E+04



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)
X	32	12	3	3	3	12	32	12	3	3	3	12
X MAXIMUM	-3.731E+02	-7.094E+02	-9.310E+02	-5.174E+04	-4.907E+04	-2.920E+04	-3.731E+02	-7.094E+02	-9.310E+02	-5.174E+04	-5.045E+04	-2.816E+04
Y	32	9	9	9	9	32	32	9	9	9	9	32
Y MAXIMUM	-2.996E+02	4.644E+02	6.040E+02	5.961E+04	2.233E+04	1.275E+04	-2.996E+02	4.644E+02	6.040E+02	5.961E+04	2.322E+04	1.305E+04
Z	32	12	12	7	12	12	32	12	12	7	12	12
Z MAXIMUM	-2.529E+02	-1.191E+03	-4.900E+02	1.214E+04	2.832E+04	-4.902E+04	-2.529E+02	-1.191E+03	-4.900E+02	1.214E+04	2.759E+04	-4.726E+04
GRAND TOTAL	8.796E+02	2.043E+03	1.547E+03	1.011E+05	8.082E+04	7.481E+04	8.796E+02	2.043E+03	1.547E+03	1.011E+05	8.221E+04	7.280E+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)
X	32	12	3	3	3	12	32	12	3	3	3	32
X MAXIMUM	-3.730E+02	-7.094E+02	-9.308E+02	-5.173E+04	-5.045E+04	-2.816E+04	-3.730E+02	-7.094E+02	-9.308E+02	-5.173E+04	-6.533E+04	2.024E+04
Y	32	9	9	9	9	32	32	9	9	9	9	32
Y MAXIMUM	-2.996E+02	4.644E+02	6.040E+02	5.961E+04	2.322E+04	1.305E+04	-2.996E+02	4.644E+02	6.040E+02	5.961E+04	3.288E+04	1.625E+04
Z	32	12	12	7	12	12	32	12	12	7	11	12
Z MAXIMUM	-2.528E+02	-1.191E+03	-4.900E+02	1.214E+04	2.759E+04	-4.726E+04	-2.528E+02	-1.191E+03	-4.900E+02	1.214E+04	-2.015E+04	-2.822E+04
GRAND TOTAL	8.797E+02	2.043E+03	1.547E+03	1.011E+05	8.221E+04	7.281E+04	8.797E+02	2.043E+03	1.547E+03	1.011E+05	9.944E+04	5.705E+04

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)
X	23	12	9	0	9	12	23	12	9	0	23	9
X MAXIMUM	2.127E+02	-3.907E+02	-4.469E+02	0	2.279E+03	-1.992E+03	2.127E+02	-3.907E+02	-4.469E+02	0	-4.578E-05	-9.766E-04
Y	27	9	9	0	9	9	27	9	9	0	8	9
Y MAXIMUM	-2.512E+02	-3.822E+02	6.319E+02	0	-3.223E+03	-1.949E+03	-2.512E+02	-3.822E+02	6.319E+02	0	-6.104E-05	1.465E-03
Z	12	15	12	0	12	15	12	15	12	0	15	15
Z MAXIMUM	-2.254E+02	-8.073E+02	-6.621E+02	0	3.377E+03	-4.117E+03	-2.254E+02	-8.073E+02	-6.621E+02	0	6.104E-05	4.883E-04
GRAND TOTAL	6.361E+02	1.326E+03	1.301E+03	0	6.636E+03	6.761E+03	6.361E+02	1.326E+03	1.301E+03	0	1.450E-04	1.876E-03

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)
X	12	9	3	3	3	32	12	9	3	3	3	3
X MAXIMUM	-1.080E+03	-4.883E+02	-8.576E+02	-5.138E+04	-6.533E+04	1.886E+04	-1.080E+03	-4.883E+02	-8.576E+02	-5.138E+04	-7.905E+04	1.794E+04
Y	14	9	9	9	9	32	14	9	9	9	13	9
Y MAXIMUM	-5.791E+02	6.904E+02	-8.301E+02	5.231E+04	3.288E+04	1.514E+04	-5.791E+02	6.904E+02	-8.301E+02	5.231E+04	-3.105E+04	-2.388E+04
Z	12	12	15	7	11	12	12	12	15	7	11	32
Z MAXIMUM	-1.813E+03	-7.399E+02	-1.214E+03	1.154E+04	-2.015E+04	-1.871E+04	-1.813E+03	-7.399E+02	-1.214E+03	1.154E+04	-2.314E+04	1.094E+04
GRAND TOTAL	2.715E+03	1.443E+03	2.109E+03	9.320E+04	9.944E+04	4.865E+04	2.715E+03	1.443E+03	2.109E+03	9.320E+04	1.050E+05	4.867E+04

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)
X	12	9	3	3	3	3	12	9	3	3	3	9
X MAXIMUM	-1.350E+03	-5.002E+02	-8.505E+02	-5.137E+04	-7.905E+04	1.796E+04	-1.350E+03	-5.002E+02	-8.505E+02	-5.137E+04	-8.546E+04	2.067E+04
Y	14	9	9	9	13	9	14	9	9	9	13	9
Y MAXIMUM	-6.784E+02	7.072E+02	-1.123E+03	5.230E+04	-3.105E+04	-2.390E+04	-6.784E+02	7.072E+02	-1.123E+03	5.230E+04	-3.546E+04	-2.923E+04
Z	12	12	15	7	11	32	12	12	15	7	11	32
Z MAXIMUM	-2.266E+03	-6.377E+02	-1.620E+03	1.154E+04	-2.314E+04	1.094E+04	-2.266E+03	-6.377E+02	-1.620E+03	1.154E+04	-2.506E+04	9.436E+03
GRAND TOTAL	3.341E+03	1.407E+03	2.605E+03	9.318E+04	1.050E+05	4.870E+04	3.341E+03	1.407E+03	2.605E+03	9.318E+04	1.115E+05	5.163E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	12	3	9	3	9	3	12	3	9	3	32	3
X MAXIMUM	-1.350E+03	8.505E+02	-5.002E+02	-5.137E+04	-2.067E+04	-8.546E+04	-1.147E+03	8.938E+02	-5.002E+02	-5.471E+04	-1.375E+04	9.066E+04
Y	14	9	9	9	9	13	9	9	9	9	14	13
Y MAXIMUM	-6.784E+02	1.123E+03	7.072E+02	5.230E+04	2.923E+04	-3.546E+04	8.719E+02	8.541E+02	7.072E+02	6.031E+04	-1.149E+04	3.939E+04
Z	12	15	12	7	32	11	12	15	12	7	32	11
Z MAXIMUM	-2.266E+03	1.620E+03	-6.377E+02	1.154E+04	-9.436E+03	-2.506E+04	-1.926E+03	1.858E+03	-6.377E+02	1.221E+04	-9.318E+03	2.546E+04
GRAND TOTAL	3.341E+03	2.605E+03	1.407E+03	9.318E+04	5.163E+04	1.115E+05	3.011E+03	2.980E+03	1.407E+03	1.029E+05	3.114E+04	1.182E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	12	9	3	3	3
X MAXIMUM	-8.009E+02	1.140E+03	-5.002E+02	-4.995E+04	2.210E+04	-9.572E+04
Y	9	13	9	9	14	13
Y MAXIMUM	1.132E+03	7.675E+02	7.072E+02	6.076E+04	-1.371E+04	-4.386E+04
Z	12	12	12	7	32	15
Z MAXIMUM	-1.292E+03	1.913E+03	-6.377E+02	1.132E+04	-7.783E+03	-3.537E+04
GRAND TOTAL	2.630E+03	3.321E+03	1.407E+03	1.001E+05	3.924E+04	1.260E+05

ELEMENT TYPE (3/D 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)
X	9	9	12	3	3	3	9	9	12	3	3	3
X MAXIMUM	-8.009E+02	-5.002E+02	-1.140E+03	-4.995E+04	-9.572E+04	-2.211E+04	-8.009E+02	-5.002E+02	-1.140E+03	-4.995E+04	-1.056E+05	-2.093E+04
Y	9	9	13	9	13	14	9	9	13	9	13	14
Y MAXIMUM	1.132E+03	7.072E+02	-7.675E+02	6.076E+04	-4.386E+04	1.371E+04	1.132E+03	7.072E+02	-7.675E+02	6.076E+04	-5.337E+04	1.589E+04
Z	12	12	12	7	15	32	12	12	12	7	15	12
Z MAXIMUM	-1.291E+03	-6.377E+02	-1.914E+03	1.132E+04	-3.537E+04	7.783E+03	-1.291E+03	-6.377E+02	-1.914E+03	1.132E+04	-5.782E+04	1.418E+04
GRAND TOTAL	2.630E+03	1.407E+03	3.321E+03	1.001E+05	1.260E+05	3.925E+04	2.630E+03	1.407E+03	3.321E+03	1.001E+05	1.479E+05	4.001E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 32)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	9	3	3	3	3	9	9	3	3	3	3
X MAXIMUM	-8.009E+02	-5.002E+02	7.873E+02	-4.995E+04	-1.056E+05	-2.093E+04	-8.009E+02	-5.002E+02	7.873E+02	-4.995E+04	-8.565E+04	-1.852E+04
Y	9	9	16	9	13	14	9	9	16	9	13	14
Y MAXIMUM	1.132E+03	7.072E+02	-5.920E+02	6.076E+04	-5.337E+04	1.589E+04	1.132E+03	7.072E+02	-5.920E+02	6.076E+04	-3.989E+04	2.037E+04
Z	12	12	15	7	15	12	12	12	15	7	15	12
Z MAXIMUM	-1.291E+03	-6.377E+02	1.216E+03	1.132E+04	-5.782E+04	1.418E+04	-1.291E+03	-6.377E+02	1.216E+03	1.132E+04	-2.695E+04	3.038E+04
GRAND TOTAL	2.630E+03	1.407E+03	1.885E+03	1.001E+05	1.479E+05	4.001E+04	2.630E+03	1.407E+03	1.885E+03	1.001E+05	1.110E+05	6.019E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	9	3	3	3	3	12	9	3	3	3	12
X MAXIMUM	-1.033E+03	-4.842E+02	7.225E+02	-4.995E+04	-8.565E+04	-1.852E+04	-1.033E+03	-4.842E+02	7.225E+02	-4.995E+04	-6.713E+04	2.633E+04
Y	9	9	16	9	13	14	9	9	16	9	13	9
Y MAXIMUM	1.389E+03	6.846E+02	-3.759E+02	6.076E+04	-3.989E+04	2.037E+04	1.389E+03	6.846E+02	-3.759E+02	6.076E+04	-3.336E+04	3.544E+04
Z	12	12	15	7	15	12	12	12	15	7	11	12
Z MAXIMUM	-1.734E+03	-5.393E+02	6.700E+02	1.132E+04	-2.695E+04	3.038E+04	-1.734E+03	-5.393E+02	6.700E+02	1.132E+04	-2.513E+04	4.419E+04
GRAND TOTAL	3.334E+03	1.370E+03	1.241E+03	1.001E+05	1.110E+05	6.019E+04	3.334E+03	1.370E+03	1.241E+03	1.001E+05	8.981E+04	8.797E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 34)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	12	9	3	3	3	12	9	12	3	3	9	9
X MAXIMUM	-1.033E+03	-4.842E+02	7.225E+02	-4.995E+04	-6.713E+04	2.633E+04	-1.037E+03	5.035E+02	7.225E+02	-7.961E+04	3.202E+04	2.589E+04
Y	9	9	16	9	13	9	9	9	16	9	9	9
Y MAXIMUM	1.389E+03	6.846E+02	-3.759E+02	6.076E+04	-3.336E+04	-3.544E+04	1.466E+03	-4.982E+02	-3.759E+02	4.034E+04	-4.527E+04	-3.660E+04
Z	12	12	15	7	11	12	12	12	15	11	11	12
Z MAXIMUM	-1.734E+03	-5.393E+02	6.700E+02	1.132E+04	-2.513E+04	4.419E+04	-1.608E+03	8.451E+02	6.700E+02	-2.410E+04	-1.347E+04	4.229E+04
GRAND TOTAL	3.334E+03	1.370E+03	1.241E+03	1.001E+05	8.981E+04	8.797E+04	3.224E+03	1.610E+03	1.241E+03	1.117E+05	6.937E+04	8.653E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 34)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	12	3	3	3	9
X MAXIMUM	-4.842E+02	1.033E+03	7.225E+02	-5.630E+04	6.079E+04	1.759E+04
Y	9	9	16	13	9	9
Y MAXIMUM	6.846E+02	-1.389E+03	-3.759E+02	-2.954E+04	-6.000E+04	-2.487E+04
Z	12	12	15	11	13	12
Z MAXIMUM	-5.393E+02	1.734E+03	6.700E+02	-2.716E+04	1.301E+04	2.627E+04
GRAND TOTAL	1.370E+03	3.334E+03	1.241E+03	8.073E+04	1.073E+05	5.840E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 35)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	3	12	3	9	3	9	3	12	3	9	3
X MAXIMUM	-4.842E+02	-7.225E+02	1.033E+03	-5.630E+04	-1.759E+04	6.079E+04	-4.842E+02	-7.225E+02	1.033E+03	-5.630E+04	-1.601E+04	6.195E+04
Y	9	16	9	13	9	9	9	16	9	13	9	9
Y MAXIMUM	6.846E+02	3.759E+02	-1.389E+03	-2.954E+04	2.487E+04	-6.000E+04	6.846E+02	3.759E+02	-1.389E+03	-2.954E+04	2.264E+04	-5.992E+04
Z	12	15	12	11	12	13	12	15	12	11	12	13
Z MAXIMUM	-5.393E+02	-6.700E+02	1.734E+03	-2.716E+04	-2.627E+04	1.301E+04	-5.393E+02	-6.700E+02	1.734E+03	-2.716E+04	-2.348E+04	1.323E+04
GRAND TOTAL	1.370E+03	1.241E+03	3.334E+03	8.073E+04	5.840E+04	1.073E+05	1.370E+03	1.241E+03	3.334E+03	8.073E+04	5.350E+04	1.082E+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)
X	9	3	12	3	9	3	9	3	12	3	12	3
X MAXIMUM	-4.787E+02	-5.961E+02	1.272E+03	-5.630E+04	-1.601E+04	6.195E+04	-4.787E+02	-5.961E+02	1.272E+03	-5.630E+04	1.832E+04	7.708E+04
Y	9	9	9	13	9	9	9	9	9	13	9	9
Y MAXIMUM	6.768E+02	-3.357E+02	-1.626E+03	-2.954E+04	2.264E+04	-5.992E+04	6.768E+02	-3.357E+02	-1.626E+03	-2.954E+04	-1.866E+04	-5.139E+04
Z	12	11	12	11	12	13	12	11	12	11	12	7
Z MAXIMUM	-4.953E+02	2.013E+02	2.135E+03	-2.716E+04	-2.348E+04	1.323E+04	-4.953E+02	2.013E+02	2.135E+03	-2.716E+04	3.074E+04	-1.341E+04
GRAND TOTAL	1.368E+03	8.446E+02	3.975E+03	8.073E+04	5.350E+04	1.082E+05	1.368E+03	8.446E+02	3.975E+03	8.073E+04	5.711E+04	1.099E+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)
X	9	3	3	3	12	3	9	3	3	3	3	3
X MAXIMUM	-4.787E+02	-5.898E+02	-4.805E+02	-5.630E+04	1.832E+04	7.708E+04	-4.787E+02	-5.898E+02	-4.805E+02	-5.630E+04	-1.841E+04	9.692E+04
Y	9	9	14	13	9	9	9	9	14	13	14	9
Y MAXIMUM	6.768E+02	-4.814E+02	9.359E+02	-2.954E+04	-1.866E+04	-5.139E+04	6.768E+02	-4.814E+02	9.359E+02	-2.954E+04	3.637E+04	-3.520E+04
Z	12	15	12	11	12	7	12	15	12	11	15	3
Z MAXIMUM	-4.953E+02	-1.493E+02	-6.727E+02	-2.716E+04	3.074E+04	-1.341E+04	-4.953E+02	-1.493E+02	-6.727E+02	-2.716E+04	-1.289E+04	-1.471E+04
GRAND TOTAL	1.368E+03	9.345E+02	1.559E+03	8.073E+04	5.711E+04	1.099E+05	1.368E+03	9.345E+02	1.559E+03	8.073E+04	5.464E+04	1.150E+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)
X	9	9	3	3	3	3	9	9	3	3	3	3
X MAXIMUM	-4.712E+02	5.014E+02	-4.568E+02	-5.630E+04	-1.841E+04	9.692E+04	-4.712E+02	5.014E+02	-4.568E+02	-5.630E+04	-4.914E+04	1.300E+05
Y	9	9	14	13	14	9	9	9	14	13	14	9
Y MAXIMUM	6.662E+02	-7.090E+02	7.860E+02	-2.954E+04	3.637E+04	-3.520E+04	6.662E+02	-7.090E+02	7.860E+02	-2.954E+04	8.925E+04	1.250E+04
Z	12	15	12	11	15	3	12	15	12	11	14	3
Z MAXIMUM	-4.366E+02	2.963E+02	-3.603E+02	-2.716E+04	-1.289E+04	-1.471E+04	-4.366E+02	2.963E+02	-3.603E+02	-2.716E+04	2.514E+04	-1.973E+04
GRAND TOTAL	1.377E+03	1.274E+03	1.157E+03	8.073E+04	5.464E+04	1.150E+05	1.377E+03	1.274E+03	1.157E+03	8.073E+04	1.195E+05	1.364E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 39)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	3	3	3	3	3	9	3	3	3	3	3
X MAXIMUM	-4.634E+02	-5.270E+02	-4.222E+02	-5.630E+04	-4.914E+04	1.300E+05	-4.634E+02	-5.270E+02	-4.222E+02	-5.630E+04	-5.086E+04	1.321E+05
Y	9	9	14	13	14	9	9	9	14	13	14	9
Y MAXIMUM	6.552E+02	-6.708E+02	5.538E+02	-2.954E+04	8.925E+04	1.250E+04	6.552E+02	-6.708E+02	5.538E+02	-2.954E+04	9.151E+04	1.524E+04
Z	12	15	12	11	14	3	12	15	12	11	14	3
Z MAXIMUM	-3.776E+02	3.309E+02	-2.651E+02	-2.716E+04	2.514E+04	-1.973E+04	-3.776E+02	3.309E+02	-2.651E+02	-2.716E+04	2.578E+04	-2.006E+04
GRAND TOTAL	1.399E+03	1.263E+03	9.914E+02	8.073E+04	1.195E+05	1.364E+05	1.399E+03	1.263E+03	9.914E+02	8.073E+04	1.227E+05	1.394E+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(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	3	3	3	3	3	32	3	3	3	3	3
X MAXIMUM	-4.634E+02	4.222E+02	-5.270E+02	-5.630E+04	-1.321E+05	-5.086E+04	3.689E+02	3.560E+02	-5.270E+02	-1.356E+05	-5.921E+04	-5.570E+04
Y	9	14	9	13	9	14	14	9	9	13	13	14
Y MAXIMUM	6.552E+02	-5.538E+02	-6.708E+02	-2.954E+04	-1.524E+04	9.151E+04	-6.524E+02	-4.441E+02	-6.708E+02	-1.603E+04	3.210E+04	9.577E+04
Z	12	12	15	11	3	14	32	12	15	3	11	14
Z MAXIMUM	-3.776E+02	2.651E+02	3.309E+02	-2.716E+04	2.006E+04	2.578E+04	2.500E+02	4.544E+02	3.309E+02	2.058E+04	2.190E+04	2.698E+04
GRAND TOTAL	1.399E+03	9.914E+02	1.263E+03	8.073E+04	1.394E+05	1.227E+05	1.305E+03	1.112E+03	1.263E+03	1.448E+05	8.361E+04	1.298E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 40)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	3	3	3	3
X MAXIMUM	4.222E+02	4.634E+02	-5.270E+02	-1.400E+05	4.839E+04	-5.841E+04
Y	14	9	9	9	13	14
Y MAXIMUM	-5.538E+02	-6.552E+02	-6.708E+02	-2.530E+04	3.280E+04	9.429E+04
Z	12	12	15	3	11	12
Z MAXIMUM	2.651E+02	3.776E+02	3.309E+02	2.126E+04	2.567E+04	-2.684E+04
GRAND TOTAL	9.914E+02	1.399E+03	1.263E+03	1.511E+05	7.530E+04	1.307E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 41)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	3	3	3	3	3	9	3	3	3	3
X MAXIMUM	4.222E+02	-4.634E+02	5.270E+02	-1.400E+05	-4.839E+04	5.841E+04	4.222E+02	-4.634E+02	5.270E+02	-1.400E+05	-4.681E+04	5.866E+04
Y	14	9	9	9	13	14	14	9	9	13	13	14
Y MAXIMUM	-5.538E+02	6.552E+02	6.708E+02	-2.530E+04	3.280E+04	-9.429E+04	-5.538E+02	6.552E+02	6.708E+02	-2.530E+04	-3.345E+04	-9.318E+04
Z	12	12	15	3	11	12	12	12	15	3	11	12
Z MAXIMUM	2.651E+02	-3.776E+02	-3.309E+02	2.126E+04	-2.567E+04	2.684E+04	2.651E+02	-3.776E+02	-3.309E+02	2.126E+04	-2.537E+04	2.798E+04
GRAND TOTAL	9.914E+02	1.399E+03	1.263E+03	1.511E+05	7.530E+04	1.307E+05	9.914E+02	1.399E+03	1.263E+03	1.511E+05	7.475E+04	1.302E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 42)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	12	3	3	3	3	3	12	3	3	3	3
X MAXIMUM	4.222E+02	6.861E+02	5.270E+02	-1.400E+05	-4.681E+04	5.966E+04	4.222E+02	6.861E+02	5.270E+02	-1.400E+05	-4.491E+04	5.758E+04
Y	14	14	9	9	13	14	14	14	9	9	13	14
Y MAXIMUM	-5.538E+02	-2.941E+03	6.708E+02	-2.530E+04	-3.345E+04	-9.318E+04	-5.538E+02	-2.941E+03	6.708E+02	-2.530E+04	-3.423E+04	-8.260E+04
Z	12	12	15	3	11	12	12	12	15	3	11	12
Z MAXIMUM	2.651E+02	1.152E+03	-3.309E+02	2.126E+04	-2.537E+04	2.798E+04	2.651E+02	1.152E+03	-3.309E+02	2.126E+04	-2.501E+04	2.383E+04
GRAND TOTAL	9.914E+02	3.595E+03	1.263E+03	1.511E+05	7.475E+04	1.302E+05	9.914E+02	3.595E+03	1.263E+03	1.511E+05	7.433E+04	1.196E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 43)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	12	3	3	3	3	3	12	3	3	3	3
X MAXIMUM	4.222E+02	6.655E+02	-1.206E+03	-1.400E+05	-4.491E+04	5.758E+04	4.222E+02	6.655E+02	-1.206E+03	-1.400E+05	-9.111E+04	4.095E+04
Y	14	14	13	9	13	14	14	14	13	9	13	14
Y MAXIMUM	-5.538E+02	-2.902E+03	1.467E+03	-2.530E+04	-3.423E+04	-8.260E+04	-5.538E+02	-2.902E+03	1.467E+03	-2.530E+04	-2.196E+04	2.858E+04
Z	12	12	11	3	11	12	12	12	11	3	11	11
Z MAXIMUM	2.651E+02	1.117E+03	8.721E+02	2.126E+04	-2.501E+04	2.383E+04	2.651E+02	1.117E+03	8.721E+02	2.126E+04	1.383E+04	2.750E+04
GRAND TOTAL	9.914E+02	3.588E+03	2.639E+03	1.511E+05	7.433E+04	1.196E+05	9.914E+02	3.588E+03	2.639E+03	1.511E+05	1.005E+05	8.010E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 44)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	23	12	3	3	3	3	23	12	3	3	3	3
X MAXIMUM	-7.082E+02	5.076E+02	-1.392E+03	-1.400E+05	-9.111E+04	4.095E+04	-7.082E+02	5.076E+02	-1.392E+03	-1.400E+05	-1.046E+05	3.707E+04
Y	23	14	13	9	13	14	23	14	13	9	13	14
Y MAXIMUM	3.983E+02	-2.382E+03	7.525E+02	-2.530E+04	2.196E+04	2.858E+04	3.983E+02	-2.382E+03	7.525E+02	-2.530E+04	2.926E+04	5.170E+04
Z	23	12	11	3	3	11	23	12	11	3	3	11
Z MAXIMUM	-3.328E+02	8.520E+02	4.391E+02	2.126E+04	1.383E+04	2.750E+04	-3.328E+02	8.520E+02	4.391E+02	2.126E+04	1.588E+04	3.355E+04
GRAND TOTAL	1.343E+03	2.932E+03	1.894E+03	1.511E+05	1.005E+05	8.010E+04	1.343E+03	2.932E+03	1.894E+03	1.511E+05	1.175E+05	9.760E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 45)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	23	12	3	3	3	3	23	23	3	3	3	3
X MAXIMUM	-7.082E+02	5.076E+02	-1.392E+03	-1.400E+05	-1.046E+05	3.707E+04	-5.774E+02	4.242E+02	-1.392E+03	-1.791E+05	1.027E+04	3.452E+04
Y	23	14	13	9	13	14	14	14	13	9	13	14
Y MAXIMUM	3.983E+02	-2.382E+03	7.525E+02	-2.530E+04	2.926E+04	5.170E+04	-1.941E+03	-1.427E+03	7.525E+02	3.520E+04	1.747E+04	7.537E+04
Z	23	12	11	3	3	11	12	12	11	3	12	11
Z MAXIMUM	-3.328E+02	8.520E+02	4.391E+02	2.126E+04	1.588E+04	3.355E+04	7.713E+02	4.336E+02	4.391E+02	2.719E+04	-1.120E+04	3.998E+04
GRAND TOTAL	1.343E+03	2.932E+03	1.894E+03	1.511E+05	1.175E+05	9.760E+04	2.661E+03	1.822E+03	1.894E+03	1.955E+05	3.369E+04	1.197E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 45)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	23	3	3	3	3
X MAXIMUM	5.076E+02	7.082E+02	-1.392E+03	-1.255E+05	1.191E+05	3.686E+04
Y	14	23	13	13	9	14
Y MAXIMUM	-2.382E+03	-3.983E+02	7.525E+02	4.055E+04	1.914E+04	8.198E+04
Z	12	23	11	13	3	11
Z MAXIMUM	8.520E+02	3.328E+02	4.391E+02	2.199E+04	-1.809E+04	4.226E+04
GRAND TOTAL	2.932E+03	1.343E+03	1.894E+03	1.444E+05	1.273E+05	1.267E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 46)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	3	23	3	3	3	12	3	23	3	3	3
X MAXIMUM	5.076E+02	1.392E+03	7.082E+02	-1.255E+05	-3.686E+04	1.191E+05	5.076E+02	1.392E+03	7.082E+02	-1.255E+05	-3.903E+04	1.113E+05
Y	14	13	23	13	14	9	14	13	23	13	14	9
Y MAXIMUM	-2.382E+03	-7.525E+02	-3.983E+02	4.055E+04	-8.198E+04	1.914E+04	-2.382E+03	-7.525E+02	-3.983E+02	4.055E+04	-7.993E+04	1.682E+04
Z	12	11	23	13	11	3	12	11	23	13	11	3
Z MAXIMUM	8.520E+02	-4.391E+02	3.328E+02	2.199E+04	-4.226E+04	-1.809E+04	8.520E+02	-4.391E+02	3.328E+02	2.199E+04	-4.202E+04	-1.689E+04
GRAND TOTAL	2.932E+03	1.894E+03	1.343E+03	1.444E+05	1.267E+05	1.273E+05	2.932E+03	1.894E+03	1.343E+03	1.444E+05	1.254E+05	1.189E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 47)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	3	7	3	3	3	12	3	7	3	3	3
X MAXIMUM	5.076E+02	1.383E+03	-5.903E+02	-1.255E+05	-3.903E+04	1.113E+05	5.076E+02	1.383E+03	-5.903E+02	-1.255E+05	-5.024E+04	5.118E+04
Y	14	13	14	13	14	9	14	13	14	13	14	13
Y MAXIMUM	-2.382E+03	-7.189E+02	4.220E+02	4.055E+04	-7.993E+04	1.682E+04	-2.382E+03	-7.189E+02	4.220E+02	4.055E+04	-6.158E+04	3.094E+04
Z	12	11	11	13	11	3	12	11	11	13	12	11
Z MAXIMUM	8.520E+02	-4.797E+02	6.085E+02	2.199E+04	-4.202E+04	-1.689E+04	8.520E+02	-4.797E+02	6.085E+02	2.199E+04	3.971E+04	2.611E+04
GRAND TOTAL	2.932E+03	1.873E+03	1.313E+03	1.444E+05	1.254E+05	1.189E+05	2.932E+03	1.873E+03	1.313E+03	1.444E+05	1.031E+05	7.699E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 48)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	7	3	3	3	11	3	7	3	3	3
X MAXIMUM	3.977E+02	1.280E+03	-3.612E+02	-1.255E+05	-5.024E+04	5.118E+04	3.977E+02	1.280E+03	-3.612E+02	-1.255E+05	-7.800E+04	-6.011E+04
Y	14	13	14	13	14	13	14	13	14	13	14	16
Y MAXIMUM	-1.517E+03	2.332E+02	5.047E+02	4.055E+04	-6.158E+04	3.094E+04	-1.517E+03	2.332E+02	5.047E+02	4.055E+04	-1.769E+04	1.912E+04
Z	11	3	11	13	12	11	11	3	11	13	12	15
Z MAXIMUM	-5.425E+02	-1.942E+02	4.329E+02	2.199E+04	3.971E+04	2.611E+04	-5.425E+02	-1.942E+02	4.329E+02	2.199E+04	3.348E+04	-1.166E+04
GRAND TOTAL	1.890E+03	1.395E+03	9.977E+02	1.444E+05	1.031E+05	7.699E+04	1.890E+03	1.395E+03	9.977E+02	1.444E+05	1.046E+05	6.870E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 49)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	3	3	3	3	11	3	3	3	3	3
X MAXIMUM	3.375E+02	4.976E+02	-5.820E+02	-1.255E+05	-7.800E+04	-6.011E+04	3.375E+02	4.976E+02	-5.820E+02	-1.255E+05	-8.785E+04	-6.853E+04
Y	14	13	14	13	14	16	14	13	14	13	13	16
Y MAXIMUM	-6.510E+02	5.645E+02	4.305E+02	4.055E+04	-1.769E+04	1.912E+04	-6.510E+02	5.645E+02	4.305E+02	4.055E+04	-1.535E+04	1.617E+04
Z	11	11	12	13	12	15	11	11	12	13	12	15
Z MAXIMUM	-4.604E+02	5.800E+02	-2.448E+02	2.199E+04	3.348E+04	-1.166E+04	-4.604E+02	5.800E+02	-2.448E+02	2.199E+04	2.933E+04	-1.098E+04
GRAND TOTAL	1.021E+03	1.377E+03	8.985E+02	1.444E+05	1.046E+05	6.870E+04	1.021E+03	1.377E+03	8.985E+02	1.444E+05	1.077E+05	7.385E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	11	11	3	3	3	3	3	11	3	3	7	3
X MAXIMUM	3.375E+02	-3.776E+02	-7.283E+02	-1.255E+05	-1.074E+05	-2.961E+04	3.550E+02	-5.057E+02	-7.283E+02	-1.679E+05	-2.589E+04	-3.095E+04
Y	14	13	14	13	13	16	14	13	14	13	13	14
Y MAXIMUM	-6.510E+02	5.594E+02	6.042E+02	4.055E+04	-1.375E+04	1.293E+04	-6.955E+02	5.061E+02	6.042E+02	1.840E+04	-3.972E+04	1.264E+04
Z	11	11	12	13	12	15	7	11	12	11	13	11
Z MAXIMUM	-4.604E+02	5.150E+02	-3.189E+02	2.199E+04	2.871E+04	-9.529E+03	2.191E+02	6.897E+02	-3.189E+02	2.612E+04	-2.154E+04	-1.601E+04
GRAND TOTAL	1.021E+03	1.139E+03	1.186E+03	1.444E+05	1.232E+05	4.341E+04	1.052E+03	1.110E+03	1.186E+03	1.781E+05	7.119E+04	4.649E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	11	3	3	5	3
X MAXIMUM	-3.776E+02	-3.375E+02	-7.283E+02	-1.183E+05	1.146E+05	-2.918E+04
Y	13	14	14	13	13	16
Y MAXIMUM	5.594E+02	6.510E+02	6.042E+02	-1.563E+04	-4.242E+04	1.030E+04
Z	11	11	12	12	11	11
Z MAXIMUM	5.150E+02	4.604E+02	-3.189E+02	2.392E+04	-2.332E+04	-2.316E+04
GRAND TOTAL	1.139E+03	1.021E+03	1.186E+03	1.309E+05	1.383E+05	4.906E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 51)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	11	3	3	3	3	11	11	3	3	3	3
X MAXIMUM	-3.775E+02	3.375E+02	7.284E+02	-1.183E+05	-1.146E+05	2.913E+04	-3.775E+02	3.375E+02	7.284E+02	-1.183E+05	-1.124E+05	2.833E+04
Y	13	14	14	13	13	16	13	14	14	13	13	16
Y MAXIMUM	5.593E+02	-6.510E+02	-6.043E+02	-1.563E+04	4.242E+04	-1.030E+04	5.593E+02	-6.510E+02	-6.043E+02	-1.563E+04	4.280E+04	-1.017E+04
Z	11	11	12	12	11	11	11	11	12	12	11	11
Z MAXIMUM	5.149E+02	-4.604E+02	3.190E+02	2.392E+04	2.332E+04	2.316E+04	5.149E+02	-4.604E+02	3.190E+02	2.392E+04	2.414E+04	2.455E+04
GRAND TOTAL	1.138E+03	1.021E+03	1.187E+03	1.309E+05	1.383E+05	4.904E+04	1.138E+03	1.021E+03	1.187E+03	1.309E+05	1.373E+05	4.951E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 52)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	11	3	3	3	3	11	11	3	3	3	3
X MAXIMUM	-3.776E+02	3.438E+02	7.283E+02	-1.183E+05	-1.124E+05	2.837E+04	-3.776E+02	3.438E+02	7.283E+02	-1.183E+05	-1.068E+05	2.651E+04
Y	13	14	14	13	13	16	13	14	14	13	13	16
Y MAXIMUM	5.594E+02	-6.870E+02	-6.042E+02	-1.563E+04	4.280E+04	-1.018E+04	5.594E+02	-6.870E+02	-6.042E+02	-1.563E+04	4.377E+04	-9.904E+03
Z	11	11	12	12	11	11	11	11	12	12	11	11
Z MAXIMUM	5.150E+02	-4.690E+02	3.189E+02	2.392E+04	2.414E+04	2.454E+04	5.150E+02	-4.690E+02	3.189E+02	2.392E+04	2.625E+04	2.817E+04
GRAND TOTAL	1.139E+03	1.045E+03	1.186E+03	1.309E+05	1.373E+05	4.953E+04	1.139E+03	1.045E+03	1.186E+03	1.309E+05	1.352E+05	5.167E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	11	3	11	3	3	3	3	3	11	3	3	3
X MAXIMUM	-3.776E+02	7.283E+02	-3.438E+02	-1.183E+05	2.651E+04	1.068E+05	6.821E+02	3.479E+02	-3.438E+02	-6.601E+04	9.985E+04	1.001E+05
Y	13	14	14	13	16	13	14	13	14	8	13	13
Y MAXIMUM	5.594E+02	-6.042E+02	6.870E+02	-1.563E+04	-9.905E+03	-4.377E+04	-6.624E+02	-3.071E+02	6.870E+02	-9.349E+03	1.685E+04	-4.263E+04
Z	11	12	11	12	11	11	11	11	11	11	3	11
Z MAXIMUM	5.150E+02	3.189E+02	4.690E+02	2.392E+04	2.817E+04	-2.625E+04	5.566E+02	-1.716E+02	4.690E+02	3.280E+04	-1.516E+04	-2.687E+04
GRAND TOTAL	1.139E+03	1.186E+03	1.045E+03	1.309E+05	5.167E+04	1.352E+05	1.475E+03	7.262E+02	1.045E+03	9.127E+04	1.075E+05	1.311E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	11	11	3	3
X MAXIMUM	7.284E+02	3.775E+02	-3.438E+02	-2.581E+04	1.147E+05	9.939E+04
Y	14	13	14	14	13	13
Y MAXIMUM	-6.043E+02	-5.593E+02	6.870E+02	1.037E+04	1.821E+04	-3.725E+04
Z	12	11	11	11	12	11
Z MAXIMUM	3.190E+02	-5.149E+02	4.690E+02	3.520E+04	-2.392E+04	-2.261E+04
GRAND TOTAL	1.187E+03	1.138E+03	1.045E+03	5.882E+04	1.260E+05	1.257E+05



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 58)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	3	3	11	3
X MAXIMUM	-4.886E+03	6.845E+02	4.251E+02	-6.938E+04	2.637E+04	9.937E+04
Y	13	16	13	13	16	13
Y MAXIMUM	8.177E+02	-4.574E+02	4.615E+02	1.340E+04	9.726E+03	-3.491E+04
Z	11	11	12	12	11	11
Z MAXIMUM	-1.237E+03	-9.336E+02	-4.761E+02	-1.910E+04	-3.597E+04	3.618E+04
GRAND TOTAL	5.717E+03	1.853E+03	1.053E+03	7.914E+04	6.030E+04	1.288E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 59)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	11	3	3	11	3	3	11	3	3	11
X MAXIMUM	-4.886E+03	4.251E+02	-6.838E+02	-6.939E+04	9.937E+04	-2.636E+04	-4.886E+03	4.251E+02	-6.838E+02	-6.939E+04	9.859E+04	-2.648E+04
Y	13	13	16	13	13	16	13	13	16	13	13	16
Y MAXIMUM	8.177E+02	4.615E+02	4.575E+02	1.340E+04	-3.491E+04	-9.726E+03	8.177E+02	4.615E+02	4.575E+02	1.340E+04	-3.457E+04	-9.799E+03
Z	11	12	11	12	11	11	11	12	11	12	11	11
Z MAXIMUM	-1.238E+03	-4.761E+02	9.328E+02	-1.911E+04	3.618E+04	3.596E+04	-1.238E+03	-4.761E+02	9.328E+02	-1.911E+04	3.906E+04	3.611E+04
GRAND TOTAL	5.717E+03	1.053E+03	7.917E+04	1.288E+05	6.027E+04	5.717E+03	1.053E+03	1.853E+03	7.917E+04	1.295E+05	6.108E+04	

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 60)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	11	3	3	11	3	11	11	3	3	11
X MAXIMUM	-4.886E+03	7.748E+02	-6.841E+02	-6.938E+04	9.859E+04	-2.648E+04	-4.886E+03	7.748E+02	-6.841E+02	-6.938E+04	9.785E+04	-2.881E+04
Y	13	16	16	13	13	16	13	16	16	13	13	8
Y MAXIMUM	8.177E+02	-1.355E+03	4.575E+02	1.340E+04	-3.457E+04	-9.799E+03	8.177E+02	-1.355E+03	4.575E+02	1.340E+04	-3.424E+04	-7.284E+03
Z	11	11	11	12	11	11	11	11	11	12	11	11
Z MAXIMUM	-1.237E+03	-1.057E+03	9.332E+02	-1.911E+04	3.906E+04	3.612E+04	-1.237E+03	-1.057E+03	9.332E+02	-1.911E+04	4.186E+04	3.929E+04
GRAND TOTAL	5.717E+03	2.398E+03	1.853E+03	7.916E+04	1.295E+05	6.109E+04	5.717E+03	2.398E+03	1.853E+03	7.916E+04	1.305E+05	6.400E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 61)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	3	3	3	11	11	3	3	3	3	11
X MAXIMUM	2.460E+03	-1.047E+03	2.645E+03	-6.937E+04	9.785E+04	-2.882E+04	2.460E+03	-1.047E+03	2.645E+03	-6.937E+04	1.216E+05	-3.067E+04
Y	13	16	14	13	13	8	13	16	14	13	13	13
Y MAXIMUM	1.243E+03	-1.285E+03	-6.032E+02	1.340E+04	-3.424E+04	-7.286E+03	1.243E+03	-1.285E+03	-6.032E+02	1.340E+04	-2.944E+04	8.364E+03
Z	11	15	11	12	11	11	11	15	11	12	11	11
Z MAXIMUM	-3.355E+03	7.755E+02	-1.187E+03	-1.909E+04	4.186E+04	3.930E+04	-3.355E+03	7.755E+02	-1.187E+03	-1.909E+04	3.120E+04	4.183E+04
GRAND TOTAL	5.838E+03	2.244E+03	3.409E+03	7.913E+04	1.305E+05	6.403E+04	5.838E+03	2.244E+03	3.409E+03	7.913E+04	1.402E+05	6.881E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 62)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	3	3	3	11	11	3	3	3	3	3
X MAXIMUM	2.460E+03	-1.047E+03	2.645E+03	-6.937E+04	1.216E+05	-3.067E+04	2.460E+03	-1.047E+03	2.645E+03	-6.937E+04	1.640E+05	4.139E+04
Y	13	16	14	13	13	13	13	16	14	13	13	16
Y MAXIMUM	1.243E+03	-1.285E+03	-6.032E+02	1.340E+04	-2.944E+04	8.365E+03	1.243E+03	-1.285E+03	-6.032E+02	1.340E+04	-2.089E+04	2.639E+04
Z	11	15	11	12	11	11	11	15	11	12	3	11
Z MAXIMUM	-3.355E+03	7.755E+02	-1.187E+03	-1.909E+04	3.120E+04	4.183E+04	-3.355E+03	7.755E+02	-1.187E+03	-1.909E+04	-2.489E+04	4.634E+04
GRAND TOTAL	5.838E+03	2.244E+03	3.409E+03	7.913E+04	1.402E+05	6.881E+04	5.838E+03	2.244E+03	3.409E+03	7.913E+04	1.704E+05	8.877E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 63)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	3	0	3	11	3	11	3	0	3	3
X MAXIMUM	-4.095E+02	1.196E+03	-2.532E+03	0.	5.772E+04	2.727E+04	-4.095E+02	1.196E+03	-2.532E+03	0.	9.766E-04	-4.883E-04
Y	16	13	13	0	13	13	16	13	13	0	3	13
Y MAXIMUM	-8.754E+02	5.181E+02	2.375E+02	0.	-5.416E+03	1.181E+04	-8.754E+02	5.181E+02	2.375E+02	0.	1.221E-04	1.221E-04
Z	15	11	3	0	3	11	15	11	3	0	3	11
Z MAXIMUM	5.204E+02	-1.631E+03	3.843E+02	0.	-8.762E+03	-3.719E+04	5.204E+02	-1.631E+03	3.843E+02	0.	-2.441E-04	1.221E-04
GRAND TOTAL	1.593E+03	2.592E+03	2.640E+03	0.	6.020E+04	5.910E+04	1.593E+03	2.592E+03	2.640E+03	0.	1.036E-03	5.610E-04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 64)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	12	3	7	3	3	3	12
X MAXIMUM	1.969E+02	-4.111E+02	-1.926E+03	-1.736E+05	1.640E+05	-2.181E+04	1.969E+02	-4.111E+02	-1.926E+03	-1.736E+05	1.538E+05	-1.982E+04
Y	13	13	13	13	13	13	13	13	13	13	13	13
Y MAXIMUM	1.032E+02	9.034E+02	5.761E+02	1.434E+04	-2.089E+04	4.628E+04	1.032E+02	9.034E+02	5.761E+02	1.434E+04	-1.784E+04	4.150E+04
Z	11	12	12	3	3	12	11	12	12	3	3	12
Z MAXIMUM	-2.668E+02	-6.295E+02	-4.381E+02	2.635E+04	-2.489E+04	-3.660E+04	-2.668E+02	-6.295E+02	-4.381E+02	2.635E+04	-2.334E+04	-3.327E+04
GRAND TOTAL	5.530E+02	1.556E+03	2.170E+03	1.781E+05	1.704E+05	8.558E+04	5.530E+02	1.556E+03	2.170E+03	1.781E+05	1.593E+05	7.751E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 65)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	12	3	7	3	3	3	12
X MAXIMUM	4.470E+02	-4.252E+02	-2.397E+03	-1.736E+05	1.538E+05	-1.982E+04	4.470E+02	-4.252E+02	-2.397E+03	-1.736E+05	1.281E+05	-1.534E+04
Y	13	13	13	13	13	13	13	13	13	13	13	13
Y MAXIMUM	6.076E+01	1.063E+03	5.454E+02	1.435E+04	-1.784E+04	4.150E+04	6.076E+01	1.063E+03	5.454E+02	1.435E+04	-1.201E+04	3.012E+04
Z	34	12	12	3	3	12	34	12	12	3	3	12
Z MAXIMUM	-9.812E+01	-7.023E+02	-3.666E+02	2.635E+04	-2.334E+04	-3.327E+04	-9.812E+01	-7.023E+02	-3.666E+02	2.635E+04	-1.945E+04	-2.575E+04
GRAND TOTAL	5.236E+02	1.802E+03	2.586E+03	1.781E+05	1.593E+05	7.750E+04	5.236E+02	1.802E+03	2.586E+03	1.781E+05	1.323E+05	5.888E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 66)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	12	3	7	3	3	3	11
X MAXIMUM	4.459E+02	-4.252E+02	-2.397E+03	-1.736E+05	1.281E+05	-1.534E+04	4.459E+02	-4.252E+02	-2.397E+03	-1.736E+05	1.002E+05	1.214E+04
Y	13	13	13	13	13	13	13	13	13	13	13	13
Y MAXIMUM	6.100E+01	1.063E+03	5.454E+02	1.436E+04	-1.201E+04	3.011E+04	6.100E+01	1.063E+03	5.454E+02	1.436E+04	6.322E+03	1.775E+04
Z	34	12	12	3	3	12	34	12	12	3	3	12
Z MAXIMUM	-9.812E+01	-7.023E+02	-3.666E+02	2.635E+04	-1.945E+04	-2.575E+04	-9.812E+01	-7.023E+02	-3.666E+02	2.635E+04	-1.522E+04	-1.758E+04
GRAND TOTAL	5.228E+02	1.802E+03	2.586E+03	1.781E+05	1.323E+05	5.887E+04	5.228E+02	1.802E+03	2.586E+03	1.781E+05	1.033E+05	3.937E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 67)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	7	3	3	3	11	12	3	3	3	3	11
X MAXIMUM	4.471E+02	-4.252E+02	-2.397E+03	-1.736E+05	1.002E+05	1.214E+04	-3.304E+02	-4.166E+02	-2.397E+03	-6.243E+04	1.682E+05	1.013E+04
Y	13	13	13	13	13	13	13	13	13	14	3	13
Y MAXIMUM	6.075E+01	1.063E+03	5.454E+02	1.435E+04	6.322E+03	1.776E+04	7.945E+02	7.089E+02	5.454E+02	1.233E+04	1.061E+04	6.752E+03
Z	34	12	12	3	3	12	12	12	12	11	3	11
Z MAXIMUM	-9.812E+01	-7.023E+02	-3.666E+02	2.635E+04	-1.522E+04	-1.759E+04	-5.546E+02	-4.387E+02	-3.666E+02	1.286E+04	-2.553E+04	-1.382E+04
GRAND TOTAL	5.237E+02	1.802E+03	2.586E+03	1.781E+05	1.033E+05	3.939E+04	1.376E+03	1.275E+03	2.586E+03	6.798E+04	1.713E+05	2.398E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 54)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	11	11	3	3	3	11	11	11	3	3
X MAXIMUM	7.283E+02	3.438E+02	3.776E+02	-2.581E+04	-9.939E+04	1.147E+05	7.283E+02	3.438E+02	3.776E+02	-2.581E+04	-1.046E+05	1.094E+05
Y	14	14	13	14	13	13	14	14	13	14	14	14
Y MAXIMUM	-6.042E+02	-6.870E+02	-5.594E+02	1.038E+04	3.725E+04	1.820E+04	-6.042E+02	-6.870E+02	-5.594E+02	1.038E+04	-2.913E+04	2.255E+04
Z	12	11	11	11	11	12	12	11	11	11	3	12
Z MAXIMUM	3.189E+02	-4.690E+02	-5.150E+02	3.520E+04	2.261E+04	-2.392E+04	3.189E+02	-4.690E+02	-5.150E+02	3.520E+04	1.587E+04	-2.391E+04
GRAND TOTAL	1.186E+03	1.045E+03	1.139E+03	5.883E+04	1.257E+05	1.260E+05	1.186E+03	1.045E+03	1.139E+03	5.883E+04	1.191E+05	1.221E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 55)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	7	11	3	3	11	3	7	11	3	3
X MAXIMUM	-5.284E+02	4.544E+02	-7.579E+02	-2.581E+04	-1.046E+05	1.094E+05	-5.284E+02	4.544E+02	-7.579E+02	-2.581E+04	-7.823E+04	8.529E+04
Y	14	13	14	14	14	14	14	13	14	14	16	14
Y MAXIMUM	-4.558E+02	3.837E+02	6.404E+02	1.037E+04	-2.913E+04	2.255E+04	-4.558E+02	3.837E+02	6.404E+02	1.037E+04	-2.350E+04	1.226E+04
Z	11	12	11	11	3	12	11	12	11	11	11	3
Z MAXIMUM	7.208E+02	-4.839E+02	-7.530E+02	3.520E+04	1.587E+04	-2.391E+04	7.208E+02	-4.839E+02	-7.530E+02	3.520E+04	-2.867E+04	-1.295E+04
GRAND TOTAL	1.479E+03	9.870E+02	2.061E+03	5.883E+04	1.191E+05	1.221E+05	1.479E+03	9.870E+02	2.061E+03	5.883E+04	1.105E+05	8.900E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 56)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	3	11	3	3	11	3	3	11	3	3
X MAXIMUM	-5.282E+02	4.544E+02	5.144E+03	-2.581E+04	-7.823E+04	8.529E+04	-5.282E+02	4.544E+02	5.144E+03	-2.581E+04	-2.979E+04	7.575E+04
Y	14	13	13	14	16	14	14	13	13	14	16	14
Y MAXIMUM	-4.558E+02	3.837E+02	-8.779E+02	1.037E+04	-2.350E+04	1.226E+04	-4.558E+02	3.837E+02	-8.779E+02	1.037E+04	-2.456E+04	8.198E+03
Z	11	12	11	11	11	3	11	12	11	11	15	11
Z MAXIMUM	7.205E+02	-4.839E+02	1.542E+03	3.520E+04	-2.867E+04	-1.295E+04	7.205E+02	-4.839E+02	1.542E+03	3.520E+04	1.337E+04	1.567E+04
GRAND TOTAL	1.479E+03	9.870E+02	6.161E+03	5.882E+04	1.105E+05	8.900E+04	1.479E+03	9.870E+02	6.161E+03	5.882E+04	6.084E+04	8.169E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 57)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	3	11	3	3	11	3	3	11	3	3
X MAXIMUM	-6.741E+02	4.251E+02	4.883E+03	-2.567E+04	2.979E+04	7.600E+04	-6.741E+02	4.251E+02	4.883E+03	-2.567E+04	3.023E+04	7.597E+04
Y	16	13	13	14	16	14	16	13	13	14	16	14
Y MAXIMUM	4.585E+02	4.615E+02	-8.164E+02	1.028E+04	-2.456E+04	8.315E+03	4.585E+02	4.615E+02	-8.164E+02	1.028E+04	-2.457E+04	8.283E+03
Z	11	12	11	11	15	11	11	12	11	11	15	11
Z MAXIMUM	9.195E+02	-4.761E+02	1.247E+03	3.502E+04	1.337E+04	1.607E+04	9.195E+02	-4.761E+02	1.247E+03	3.502E+04	1.337E+04	1.607E+04
GRAND TOTAL	1.856E+03	1.053E+03	5.716E+03	5.827E+04	6.084E+04	8.209E+04	1.856E+03	1.053E+03	5.716E+03	5.827E+04	6.111E+04	8.207E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 58)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	11	3	3	11	3	3	3	3	3	3	3	3
X MAXIMUM	-6.846E+02	-4.886E+03	4.251E+02	-2.581E+04	-7.571E+04	3.023E+04	-3.630E+03	-3.281E+03	4.251E+02	-3.549E+04	-6.524E+04	8.064E+04
Y	16	13	13	14	14	16	13	13	13	13	14	13
Y MAXIMUM	4.574E+02	8.177E+02	4.615E+02	1.037E+04	-8.164E+03	-2.457E+04	6.555E+02	5.010E+02	4.615E+02	1.242E+04	-9.341E+03	-3.249E+04
Z	11	11	12	11	11	15	7	11	12	11	11	12
Z MAXIMUM	9.338E+02	-1.237E+03	-4.761E+02	3.520E+04	-1.567E+04	1.337E+04	-8.626E+02	-1.535E+03	-4.761E+02	1.359E+04	-3.651E+04	2.296E+04
GRAND TOTAL	1.853E+03	5.717E+03	1.053E+03	5.883E+04	8.166E+04	6.111E+04	4.281E+03	4.218E+03	1.053E+03	4.539E+04	8.794E+04	1.056E+05



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	11	3	3	3	3
X MAXIMUM	-3.776E+02	-3.375E+02	-7.283E+02	-1.183E+05	1.146E+05	-2.918E+04
Y	13	14	14	13	13	16
Y MAXIMUM	5.594E+02	6.510E+02	6.042E+02	-1.563E+04	-4.242E+04	1.030E+04
Z	11	11	12	12	11	11
Z MAXIMUM	5.150E+02	4.604E+02	-3.189E+02	2.392E+04	-2.332E+04	-2.316E+04
GRAND TOTAL	1.139E+03	1.021E+03	1.186E+03	1.309E+05	1.383E+05	4.906E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 51)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	11	3	3	3	3	11	11	3	3	3	3
X MAXIMUM	-3.775E+02	3.375E+02	7.284E+02	-1.183E+05	-1.146E+05	2.913E+04	-3.775E+02	3.375E+02	7.284E+02	-1.183E+05	-1.124E+05	2.833E+04
Y	13	14	14	13	13	16	13	14	14	13	13	16
Y MAXIMUM	5.593E+02	-6.510E+02	-6.043E+02	-1.563E+04	4.242E+04	-1.030E+04	5.593E+02	-6.510E+02	-6.043E+02	-1.563E+04	4.280E+04	-1.017E+04
Z	11	11	12	12	11	11	11	11	12	12	11	11
Z MAXIMUM	5.149E+02	-4.604E+02	3.190E+02	2.392E+04	2.332E+04	2.316E+04	5.149E+02	-4.604E+02	3.190E+02	2.392E+04	2.414E+04	2.455E+04
GRAND TOTAL	1.138E+03	1.021E+03	1.187E+03	1.309E+05	1.383E+05	4.904E+04	1.138E+03	1.021E+03	1.187E+03	1.309E+05	1.373E+05	4.951E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 52)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	11	3	3	3	3	11	11	3	3	3	3
X MAXIMUM	-3.776E+02	3.438E+02	7.283E+02	-1.183E+05	-1.124E+05	2.837E+04	-3.776E+02	3.438E+02	7.283E+02	-1.183E+05	-1.068E+05	2.651E+04
Y	13	14	14	13	13	16	13	14	14	13	13	16
Y MAXIMUM	5.594E+02	-6.870E+02	-6.042E+02	-1.563E+04	4.280E+04	-1.018E+04	5.594E+02	-6.870E+02	-6.042E+02	-1.563E+04	4.377E+04	-9.904E+03
Z	11	11	12	12	11	11	11	11	12	12	11	11
Z MAXIMUM	5.150E+02	-4.690E+02	3.189E+02	2.392E+04	2.414E+04	2.454E+04	5.150E+02	-4.690E+02	3.189E+02	2.392E+04	2.625E+04	2.817E+04
GRAND TOTAL	1.139E+03	1.045E+03	1.186E+03	1.309E+05	1.373E+05	4.953E+04	1.139E+03	1.045E+03	1.186E+03	1.309E+05	1.352E+05	5.167E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	11	3	11	3	3	3	3	3	11	3	3	3
X MAXIMUM	-3.776E+02	7.283E+02	-3.438E+02	-1.183E+05	2.651E+04	1.068E+05	6.821E+02	3.479E+02	-3.438E+02	-6.601E+04	9.985E+04	1.001E+05
Y	13	14	14	13	16	13	14	13	14	8	13	13
Y MAXIMUM	5.594E+02	-6.042E+02	6.870E+02	-1.563E+04	-9.905E+03	-4.377E+04	-6.624E+02	-3.071E+02	6.870E+02	-9.349E+03	1.685E+04	-4.263E+04
Z	11	12	11	12	11	11	11	11	11	11	3	11
Z MAXIMUM	5.150E+02	3.189E+02	4.690E+02	2.392E+04	2.817E+04	-2.625E+04	5.566E+02	-1.716E+02	4.690E+02	3.280E+04	-1.516E+04	-2.687E+04
GRAND TOTAL	1.139E+03	1.186E+03	1.045E+03	1.309E+05	5.167E+04	1.352E+05	1.475E+03	7.262E+02	1.045E+03	9.127E+04	1.075E+05	1.311E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	11	11	3	3
X MAXIMUM	7.284E+02	3.775E+02	-3.438E+02	-2.581E+04	1.147E+05	9.939E+04
Y	14	13	14	14	13	13
Y MAXIMUM	-6.043E+02	-5.593E+02	6.870E+02	1.037E+04	1.821E+04	-3.725E+04
Z	12	11	11	11	12	11
Z MAXIMUM	3.190E+02	-5.149E+02	4.690E+02	3.520E+04	-2.392E+04	-2.261E+04
GRAND TOTAL	1.187E+03	1.138E+03	1.045E+03	5.882E+04	1.260E+05	1.257E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 63)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	3	0	3	11	3	11	3	0	3	11
X MAXIMUM	-4.095E+02	1.196E+03	-2.532E+03	0.	5.772E+04	2.727E+04	-4.095E+02	1.196E+03	-2.532E+03	0.	9.766E-04	-4.883E-04
Y	16	13	13	0	13	13	16	13	13	0	13	13
Y MAXIMUM	-8.754E+02	5.181E+02	2.375E+02	0.	-5.416E+03	1.181E+04	-8.754E+02	5.181E+02	2.375E+02	0.	1.221E-04	1.221E-04
Z	15	11	3	0	3	11	15	11	3	0	3	11
Z MAXIMUM	5.204E+02	-1.631E+03	3.843E+02	0.	-8.762E+03	-3.719E+04	5.204E+02	-1.631E+03	3.843E+02	0.	-2.441E-04	1.221E-04
GRAND TOTAL	1.593E+03	2.592E+03	2.640E+03	0.	6.020E+04	5.910E+04	1.593E+03	2.592E+03	2.640E+03	0.	1.036E-03	5.610E-04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 64)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	12	3	7	3	3	3	12
X MAXIMUM	1.969E+02	-4.111E+02	-1.926E+03	-1.736E+05	1.640E+05	-2.181E+04	1.969E+02	-4.111E+02	-1.926E+03	-1.736E+05	1.538E+05	-1.982E+04
Y	13	13	13	13	13	13	13	13	13	13	13	13
Y MAXIMUM	1.032E+02	9.034E+02	5.761E+02	1.434E+04	-2.089E+04	4.628E+04	1.032E+02	9.034E+02	5.761E+02	1.434E+04	-1.784E+04	4.150E+04
Z	11	12	12	3	3	12	11	12	12	3	3	12
Z MAXIMUM	-2.668E+02	-6.295E+02	-4.381E+02	2.635E+04	-2.489E+04	-3.660E+04	-2.668E+02	-6.295E+02	-4.381E+02	2.635E+04	-2.334E+04	-3.327E+04
GRAND TOTAL	5.530E+02	1.556E+03	2.170E+03	1.781E+05	1.704E+05	8.558E+04	5.530E+02	1.556E+03	2.170E+03	1.781E+05	1.593E+05	7.751E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 65)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	12	3	7	3	3	3	12
X MAXIMUM	4.470E+02	-4.252E+02	-2.397E+03	-1.736E+05	1.538E+05	-1.982E+04	4.470E+02	-4.252E+02	-2.397E+03	-1.736E+05	1.281E+05	-1.534E+04
Y	13	13	13	13	13	13	13	13	13	13	13	13
Y MAXIMUM	6.076E+01	1.063E+03	5.454E+02	1.435E+04	-1.784E+04	4.150E+04	6.076E+01	1.063E+03	5.454E+02	1.435E+04	-1.201E+04	3.012E+04
Z	34	12	12	3	3	12	34	12	12	3	3	12
Z MAXIMUM	-9.812E+01	-7.023E+02	-3.666E+02	2.635E+04	-2.334E+04	-3.327E+04	-9.812E+01	-7.023E+02	-3.666E+02	2.635E+04	-1.945E+04	-2.575E+04
GRAND TOTAL	5.236E+02	1.802E+03	2.586E+03	1.781E+05	1.593E+05	7.750E+04	5.236E+02	1.802E+03	2.586E+03	1.781E+05	1.323E+05	5.888E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 66)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	12	3	7	3	3	3	11
X MAXIMUM	4.459E+02	-4.252E+02	-2.397E+03	-1.736E+05	1.281E+05	-1.534E+04	4.459E+02	-4.252E+02	-2.397E+03	-1.736E+05	1.002E+05	1.214E+04
Y	13	13	13	13	13	13	13	13	13	13	13	13
Y MAXIMUM	6.100E+01	1.063E+03	5.454E+02	1.436E+04	-1.201E+04	3.011E+04	6.100E+01	1.063E+03	5.454E+02	1.436E+04	6.322E+03	1.775E+04
Z	34	12	12	3	3	12	34	12	12	3	3	12
Z MAXIMUM	-9.812E+01	-7.023E+02	-3.666E+02	2.635E+04	-1.945E+04	-2.575E+04	-9.812E+01	-7.023E+02	-3.666E+02	2.635E+04	-1.522E+04	-1.758E+04
GRAND TOTAL	5.228E+02	1.802E+03	2.586E+03	1.781E+05	1.323E+05	5.887E+04	5.228E+02	1.802E+03	2.586E+03	1.781E+05	1.033E+05	3.937E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 67)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	7	3	3	3	11	12	3	3	3	3	11
X MAXIMUM	4.471E+02	-4.252E+02	-2.397E+03	-1.736E+05	1.002E+05	1.214E+04	-3.34E+02	-4.166E+02	-2.397E+03	-6.243E+04	1.682E+05	1.013E+04
Y	13	13	13	13	13	13	13	13	13	14	3	13
Y MAXIMUM	6.075E+01	1.063E+03	5.454E+02	1.435E+04	6.322E+03	1.776E+04	7.945E+02	7.089E+02	5.454E+02	1.233E+04	1.061E+04	6.752E+03
Z	34	12	12	3	3	12	12	12	12	11	3	11
Z MAXIMUM	-9.812E+01	-7.023E+02	-3.666E+02	2.635E+04	-1.522E+04	-1.759E+04	-5.546E+02	-4.387E+02	-3.666E+02	1.286E+04	-2.553E+04	-1.382E+04
GRAND TOTAL	5.237E+02	1.802E+03	2.586E+03	1.781E+05	1.033E+05	3.939E+04	1.376E+03	1.275E+03	2.586E+03	6.798E+04	1.713E+05	2.398E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 58)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	3	3	11	3
X MAXIMUM	-4.886E+03	6.845E+02	4.251E+02	-6.938E+04	2.637E+04	9.937E+04
Y	13	16	13	13	16	13
Y MAXIMUM	8.177E+02	-4.574E+02	4.615E+02	1.340E+04	9.726E+03	-3.491E+04
Z	11	11	12	12	11	11
Z MAXIMUM	-1.237E+03	-9.336E+02	-4.761E+02	-1.910E+04	-3.597E+04	3.618E+04
GRAND TOTAL	5.717E+03	1.853E+03	1.053E+03	7.914E+04	6.030E+04	1.288E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 59)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	11	3	3	11	3	3	11	3	3	11
X MAXIMUM	-4.886E+03	4.251E+02	-6.838E+02	-6.939E+04	9.937E+04	-2.636E+04	-4.886E+03	4.251E+02	-6.838E+02	-6.939E+04	9.859E+04	-2.648E+04
Y	13	13	16	13	13	16	13	13	16	13	13	16
Y MAXIMUM	8.177E+02	4.615E+02	4.575E+02	1.340E+04	-3.491E+04	-9.726E+03	8.177E+02	4.615E+02	4.575E+02	1.340E+04	-3.457E+04	-9.799E+03
Z	11	12	11	12	11	11	11	12	11	12	11	11
Z MAXIMUM	-1.238E+03	-4.761E+02	9.328E+02	-1.911E+04	3.618E+04	3.596E+04	-1.238E+03	-4.761E+02	9.328E+02	-1.911E+04	3.906E+04	3.611E+04
GRAND TOTAL	5.717E+03	1.053E+03	1.853E+03	7.917E+04	1.288E+05	6.027E+04	5.717E+03	1.053E+03	1.853E+03	7.917E+04	1.295E+05	6.108E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 60)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	11	3	3	11	3	11	11	3	3	11
X MAXIMUM	-4.886E+03	7.748E+02	-6.841E+02	-6.938E+04	9.859E+04	-2.648E+04	-4.886E+03	7.748E+02	-6.841E+02	-6.938E+04	9.785E+04	-2.881E+04
Y	13	16	16	13	13	16	13	16	16	13	13	16
Y MAXIMUM	8.177E+02	-1.355E+03	4.575E+02	1.340E+04	-3.457E+04	-9.799E+03	8.177E+02	-1.355E+03	4.575E+02	1.340E+04	-3.424E+04	-7.284E+03
Z	11	11	11	12	11	11	11	11	11	12	11	11
Z MAXIMUM	-1.237E+03	-1.057E+03	9.332E+02	-1.911E+04	3.906E+04	3.612E+04	-1.237E+03	-1.057E+03	9.332E+02	-1.911E+04	4.186E+04	3.929E+04
GRAND TOTAL	5.717E+03	2.398E+03	1.853E+03	7.916E+04	1.295E+05	6.109E+04	5.717E+03	2.398E+03	1.853E+03	7.916E+04	1.305E+05	6.400E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 61)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	3	3	3	11	11	3	3	3	3	11
X MAXIMUM	2.460E+03	-1.047E+03	2.645E+03	-6.937E+04	9.785E+04	-2.882E+04	2.460E+03	-1.047E+03	2.645E+03	-6.937E+04	1.216E+05	-3.067E+04
Y	13	16	14	13	13	8	13	16	14	13	13	13
Y MAXIMUM	1.243E+03	-1.285E+03	-6.032E+02	1.340E+04	-3.424E+04	-7.286E+03	1.243E+03	-1.285E+03	-6.032E+02	1.340E+04	-2.944E+04	8.364E+03
Z	11	15	11	12	11	11	11	15	11	12	11	11
Z MAXIMUM	-3.355E+03	7.755E+02	-1.187E+03	-1.909E+04	4.186E+04	3.930E+04	-3.355E+03	7.755E+02	-1.187E+03	-1.909E+04	3.120E+04	4.183E+04
GRAND TOTAL	5.838E+03	2.244E+03	3.409E+03	7.913E+04	1.305E+05	6.403E+04	5.838E+03	2.244E+03	3.409E+03	7.913E+04	1.402E+05	6.881E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 62)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	3	3	3	11	11	3	3	3	3	11
X MAXIMUM	2.460E+03	-1.047E+03	2.645E+03	-6.937E+04	1.216E+05	-3.067E+04	2.460E+03	-1.047E+03	2.645E+03	-6.937E+04	1.640E+05	4.139E+04
Y	13	16	14	13	13	13	13	16	14	13	13	16
Y MAXIMUM	1.243E+03	-1.285E+03	-6.032E+02	1.340E+04	-2.944E+04	8.365E+03	1.243E+03	-1.285E+03	-6.032E+02	1.340E+04	-2.089E+04	2.639E+04
Z	11	15	11	12	11	11	11	15	11	12	11	11
Z MAXIMUM	-3.355E+03	7.755E+02	-1.187E+03	-1.909E+04	3.120E+04	4.183E+04	-3.355E+03	7.755E+02	-1.187E+03	-1.909E+04	-2.489E+04	4.634E+04
GRAND TOTAL	5.838E+03	2.244E+03	3.409E+03	7.913E+04	1.402E+05	6.881E+04	5.838E+03	2.244E+03	3.409E+03	7.913E+04	1.704E+05	8.877E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 67)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	7	3	3	3	3	11
X MAXIMUM	-4.252E+02	-4.471E+02	-2.397E+03	6.424E+04	1.377E+05	9.550E+03
Y	13	13	13	14	14	14
Y MAXIMUM	1.063E+03	-6.029E+01	5.454E+02	4.572E+03	-1.201E+04	-4.098E+03
Z	12	34	12	11	3	11
Z MAXIMUM	-7.024E+02	9.811E+01	-3.666E+02	9.835E+03	-2.090E+04	-1.303E+04
GRAND TOTAL	1.802E+03	5.236E+02	2.586E+03	6.739E+04	1.409E+05	2.057E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 68)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	7	3	3	3	3	3	7	3	3	3	3	3
X MAXIMUM	-4.252E+02	-5.059E+02	2.385E+03	6.429E+04	-1.254E+05	-5.695E+04	-4.252E+02	-5.059E+02	2.385E+03	6.429E+04	-9.040E+04	-4.952E+04
Y	13	13	13	14	14	14	13	13	13	14	14	14
Y MAXIMUM	1.063E+03	2.652E+02	-4.804E+02	4.567E+03	9.519E+03	8.388E+03	1.063E+03	2.652E+02	-4.804E+02	4.567E+03	7.750E+03	7.352E+03
Z	12	12	3	11	3	11	12	12	3	11	3	11
Z MAXIMUM	-7.023E+02	-2.163E+02	-3.620E+02	9.831E+03	1.904E+04	1.535E+04	-7.023E+02	-2.163E+02	-3.620E+02	9.831E+03	1.372E+04	1.614E+04
GRAND TOTAL	1.802E+03	7.154E+02	2.539E+03	6.745E+04	1.282E+05	6.191E+04	1.802E+03	7.154E+02	2.539E+03	6.745E+04	9.263E+04	5.609E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 69)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	3	3	3	3	3	12	3	3	3	3	3
X MAXIMUM	-4.982E+02	-5.330E+02	2.911E+03	6.429E+04	-9.040E+04	-4.952E+04	-4.982E+02	-5.330E+02	2.911E+03	6.429E+04	5.902E+04	-2.216E+04
Y	13	13	13	14	14	14	13	13	13	14	13	13
Y MAXIMUM	1.293E+03	1.826E+02	-4.367E+02	4.567E+03	7.750E+03	7.352E+03	1.293E+03	1.826E+02	-4.367E+02	4.567E+03	-2.272E+04	-1.341E+04
Z	12	11	3	11	3	11	12	11	3	11	12	12
Z MAXIMUM	-8.362E+02	1.670E+02	-4.419E+02	9.831E+03	1.372E+04	1.614E+04	-8.362E+02	1.670E+02	-4.419E+02	9.831E+03	1.234E+04	1.072E+04
GRAND TOTAL	2.181E+03	6.603E+02	3.033E+03	6.745E+04	9.263E+04	5.609E+04	2.181E+03	6.603E+02	3.033E+03	6.745E+04	7.162E+04	3.483E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 70)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	3	3	3	3	3	12	3	3	3	3	3
X MAXIMUM	-5.776E+02	-5.578E+02	3.114E+03	6.429E+04	5.902E+04	-2.216E+04	-5.776E+02	-5.578E+02	3.114E+03	6.429E+04	5.932E+04	-2.211E+04
Y	13	14	13	14	13	13	13	14	13	14	13	13
Y MAXIMUM	1.522E+03	1.458E+02	-3.953E+02	4.567E+03	-2.272E+04	-1.341E+04	1.522E+03	1.458E+02	-3.953E+02	4.567E+03	-2.275E+04	-1.342E+04
Z	12	11	3	11	12	12	12	11	3	11	12	12
Z MAXIMUM	-9.695E+02	3.324E+02	-4.726E+02	9.831E+03	1.234E+04	1.072E+04	-9.695E+02	3.324E+02	-4.726E+02	9.831E+03	1.237E+04	1.071E+04
GRAND TOTAL	2.581E+03	7.715E+02	3.226E+03	6.745E+04	7.162E+04	3.483E+04	2.581E+03	7.715E+02	3.226E+03	6.745E+04	7.190E+04	3.478E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 71)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	12	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	-5.776E+02	-3.090E+03	6.782E+02	6.429E+04	4.316E+04	4.632E+04	-2.034E+03	-2.335E+03	6.782E+02	7.894E+04	-7.808E+03	7.980E+04
Y	13	13	14	14	13	13	13	13	14	3	14	13
Y MAXIMUM	1.522E+03	3.985E+02	8.578E+01	4.567E+03	3.675E+03	-2.616E+04	1.358E+03	-7.944E+02	8.578E+01	4.978E+03	-2.883E+03	-2.372E+04
Z	12	3	11	11	3	12	12	12	11	3	11	12
Z MAXIMUM	-9.695E+02	4.690E+02	3.397E+02	9.831E+03	-6.551E+03	1.553E+04	-8.538E+02	5.174E+02	3.397E+02	-1.198E+04	-6.435E+03	1.380E+04
GRAND TOTAL	2.581E+03	3.199E+03	8.745E+02	6.745E+04	4.564E+04	6.555E+04	3.040E+03	2.767E+03	8.745E+02	8.132E+04	1.370E+04	9.033E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 71)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	12	3	3	3	3
X MAXIMUM	-3.090E+03	5.776E+02	6.782E+02	5.325E+04	-5.420E+04	9.553E+04
Y	13	13	14	3	13	13
Y MAXIMUM	3.980E+02	-1.522E+03	8.578E+01	3.358E+03	-3.578E+03	-9.420E+03
Z	3	12	11	3	3	3
Z MAXIMUM	4.690E+02	9.696E+02	3.397E+02	-8.083E+03	8.227E+03	-1.450E+04
GRAND TOTAL	3.199E+03	2.581E+03	8.745E+02	5.458E+04	5.657E+04	9.810E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 72)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	12	3	3	3	3	3	12	3	3	3	3
X MAXIMUM	-3.089E+03	-5.776E+02	-6.817E+02	5.337E+04	5.415E+04	-9.547E+04	-3.089E+03	-5.776E+02	-6.817E+02	5.337E+04	4.995E+04	-9.679E+04
Y	13	13	14	3	13	13	13	13	14	3	13	3
Y MAXIMUM	3.984E+02	1.522E+03	-8.559E+01	3.366E+03	3.577E+03	9.423E+03	3.984E+02	1.522E+03	-8.559E+01	3.366E+03	4.022E+03	-6.104E+03
Z	3	12	11	3	3	3	3	12	11	3	3	3
Z MAXIMUM	4.689E+02	-9.695E+02	-3.397E+02	-8.102E+03	-8.225E+03	1.449E+04	4.689E+02	-9.695E+02	-3.397E+02	-8.102E+03	-7.582E+03	1.469E+04
GRAND TOTAL	3.199E+03	2.581E+03	8.773E+02	5.470E+04	5.655E+04	9.804E+04	3.199E+03	2.581E+03	8.773E+02	5.470E+04	5.228E+04	9.817E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 73)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	12	3	3	3	3	3	12	3	3	3	3
X MAXIMUM	-3.090E+03	-5.693E+02	-6.777E+02	5.325E+04	4.995E+04	-9.686E+04	-3.090E+03	-5.693E+02	-6.777E+02	5.325E+04	4.329E+04	-9.796E+04
Y	13	13	14	3	13	13	13	13	14	3	13	13
Y MAXIMUM	3.985E+02	1.502E+03	-8.581E+01	3.358E+03	4.022E+03	-6.108E+03	3.985E+02	1.502E+03	-8.581E+01	3.358E+03	4.722E+03	-1.480E+04
Z	3	12	11	3	3	3	3	12	11	3	3	3
Z MAXIMUM	4.690E+02	-9.556E+02	-3.397E+02	-8.083E+03	-7.582E+03	1.470E+04	4.690E+02	-9.556E+02	-3.397E+02	-8.083E+03	-6.571E+03	1.487E+04
GRAND TOTAL	3.199E+03	2.539E+03	8.740E+02	5.458E+04	5.228E+04	9.824E+04	3.199E+03	2.539E+03	8.740E+02	5.458E+04	4.607E+04	1.026E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 74)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	-3.090E+03	-4.577E+03	-6.769E+02	5.322E+04	4.329E+04	-9.798E+04	-3.090E+03	-4.577E+03	-6.769E+02	5.322E+04	4.025E+04	-7.746E+04
Y	13	13	14	3	13	13	13	13	14	3	13	13
Y MAXIMUM	3.985E+02	6.066E+02	-8.586E+01	3.356E+03	4.722E+03	-1.480E+04	3.985E+02	6.066E+02	-8.586E+01	3.356E+03	5.040E+03	-1.752E+04
Z	3	3	11	3	3	3	3	3	11	3	3	12
Z MAXIMUM	4.690E+02	6.947E+02	-3.397E+02	-8.079E+03	-6.571E+03	1.487E+04	4.690E+02	6.947E+02	-3.397E+02	-8.079E+03	-6.110E+03	1.231E+04
GRAND TOTAL	3.200E+03	4.738E+03	8.734E+02	5.455E+04	4.607E+04	1.026E+05	3.200E+03	4.738E+03	8.734E+02	5.455E+04	4.351E+04	8.407E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 75)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	-3.089E+03	-4.577E+03	-6.793E+02	5.332E+04	4.023E+04	-7.741E+04	-5.421E+03	-1.052E+03	-6.793E+02	6.316E+04	-1.646E+04	-4.244E+04
Y	13	13	14	3	13	13	13	16	14	13	13	13
Y MAXIMUM	3.984E+02	6.067E+02	-8.567E+01	3.362E+03	5.034E+03	-1.752E+04	7.107E+02	1.494E+02	-8.567E+01	5.727E+03	2.463E+03	-2.220E+04
Z	3	3	11	3	3	12	3	3	11	3	11	12
Z MAXIMUM	4.689E+02	6.948E+02	-3.397E+02	-8.093E+03	-6.106E+03	1.231E+04	8.228E+02	1.598E+02	-3.397E+02	-9.588E+03	-5.677E+03	1.484E+04
GRAND TOTAL	3.199E+03	4.738E+03	8.753E+02	5.465E+04	4.348E+04	8.402E+04	5.609E+03	1.106E+03	8.753E+02	6.626E+04	1.989E+04	5.707E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 75)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3
X MAXIMUM	-4.777E+03	3.089E+03	-6.793E+02	3.005E+04	-6.350E+04	-5.509E+04
Y	13	13	14	13	3	13
Y MAXIMUM	6.067E+02	-3.983E+02	-8.567E+01	6.104E+03	-4.005E+03	-2.064E+04
Z	3	3	11	12	3	12
Z MAXIMUM	6.948E+02	-4.688E+02	-3.397E+02	-9.386E+03	9.639E+03	1.381E+04
GRAND TOTAL	4.739E+03	3.198E+03	8.753E+02	3.668E+04	6.508E+04	6.615E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 76)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	-4.577E+03	-5.578E+02	3.114E+03	3.006E+04	7.524E+04	-3.748E+04	-4.577E+03	-5.578E+02	3.114E+03	3.006E+04	1.437E+05	-2.523E+04
Y	13	14	13	13	13	13	13	14	13	13	13	13
Y MAXIMUM	6.066E+02	1.458E+02	-3.953E+02	6.110E+03	1.965E+04	6.494E+03	6.066E+02	1.458E+02	-3.953E+02	6.110E+03	1.097E+04	4.583E+03
Z	3	11	3	12	12	11	3	11	3	12	3	11
Z MAXIMUM	6.947E+02	3.324E+02	-4.726E+02	-9.391E+03	-1.214E+04	-7.616E+03	6.947E+02	3.324E+02	-4.726E+02	-9.391E+03	-2.181E+04	-1.492E+04
GRAND TOTAL	4.738E+03	7.715E+02	3.226E+03	3.669E+04	8.323E+04	4.103E+04	4.738E+03	7.715E+02	3.226E+03	3.669E+04	1.470E+05	3.425E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 77)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	11
X MAXIMUM	-4.578E+03	-5.561E+02	3.199E+03	3.006E+04	1.437E+05	-2.523E+04	-4.578E+03	-5.561E+02	3.199E+03	3.006E+04	3.037E+05	2.525E+04
Y	13	14	13	13	13	13	13	14	13	13	3	14
Y MAXIMUM	6.075E+02	1.742E+02	-4.046E+02	6.110E+03	1.097E+04	4.583E+03	6.075E+02	1.742E+02	-4.046E+02	6.110E+03	1.915E+04	-1.318E+04
Z	3	11	3	12	3	11	3	11	3	12	3	11
Z MAXIMUM	6.949E+02	3.904E+02	-4.856E+02	-9.391E+03	-2.181E+04	-1.492E+04	6.949E+02	3.904E+02	-4.856E+02	-9.391E+03	-4.609E+04	-3.445E+04
GRAND TOTAL	4.739E+03	8.610E+02	3.334E+03	3.669E+04	1.470E+05	3.425E+04	4.739E+03	8.610E+02	3.334E+03	3.669E+04	3.092E+05	5.220E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 78)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	8	9	9	8	8	8	8	9	9	8	3	8
X MAXIMUM	-2.635E+02	6.924E+02	4.564E+02	-3.354E+04	-5.403E+03	-2.224E+04	-2.635E+02	6.924E+02	4.564E+02	-3.354E+04	3.669E+03	-2.070E+04
Y	9	9	9	8	9	8	9	9	9	8	8	8
Y MAXIMUM	3.674E+02	-9.789E+02	-6.453E+02	-3.088E+04	6.093E+03	-2.047E+04	3.674E+02	-9.789E+02	-6.453E+02	-3.088E+04	-2.879E+03	-1.906E+04
Z	12	12	12	15	15	12	12	12	12	15	25	12
Z MAXIMUM	-3.980E+02	-5.417E+02	-4.241E+02	-2.152E+04	-4.736E+03	-1.671E+04	-3.980E+02	-5.417E+02	-4.241E+02	-2.152E+04	3.086E+03	-1.379E+04
GRAND TOTAL	9.673E+02	1.496E+03	1.297E+03	6.074E+04	1.621E+04	4.670E+04	9.673E+02	1.496E+03	1.297E+03	6.074E+04	1.079E+04	4.454E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 79)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	9	9	8	3	8	9	9	9	8	3	8
X MAXIMUM	-3.443E+02	6.924E+02	3.966E+02	-2.883E+04	3.669E+03	-2.688E+04	-3.443E+02	6.924E+02	3.966E+02	-2.883E+04	3.667E+03	-2.687E+04
Y	9	9	9	8	8	8	9	9	9	8	8	8
Y MAXIMUM	4.868E+02	-9.789E+02	-5.608E+02	-2.654E+04	-2.879E+03	-2.474E+04	4.868E+02	-9.789E+02	-5.608E+02	-2.654E+04	-2.872E+03	-2.474E+04
Z	12	12	12	15	25	12	12	12	12	15	25	12
Z MAXIMUM	-3.071E+02	-5.417E+02	-4.939E+02	-2.204E+04	3.086E+03	-1.216E+04	-3.071E+02	-5.417E+02	-4.939E+02	-2.204E+04	3.081E+03	-1.215E+04
GRAND TOTAL	1.038E+03	1.496E+03	1.241E+03	5.678E+04	1.079E+04	4.950E+04	1.038E+03	1.496E+03	1.241E+03	5.678E+04	1.078E+04	4.949E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 80)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	8	9	9	8	3	8	8	9	9	8	3	8
X MAXIMUM	-2.629E+02	6.924E+02	4.568E+02	-3.357E+04	3.667E+03	-2.064E+04	-2.629E+02	6.924E+02	4.568E+02	-3.357E+04	3.188E+03	-1.904E+04
Y	9	9	9	8	8	8	9	9	9	8	38	8
Y MAXIMUM	3.664E+02	-9.789E+02	-6.459E+02	-3.091E+04	-2.872E+03	-1.901E+04	3.664E+02	-9.789E+02	-6.459E+02	-3.091E+04	1.680E+03	-1.753E+04
Z	12	12	12	15	25	12	12	12	12	15	12	12
Z MAXIMUM	-3.987E+02	-5.417E+02	-4.235E+02	-2.151E+04	3.081E+03	-1.379E+04	-3.987E+02	-5.417E+02	-4.235E+02	-2.151E+04	-3.627E+03	-1.076E+04
GRAND TOTAL	9.668E+02	1.496E+03	1.297E+03	6.077E+04	1.078E+04	4.450E+04	9.668E+02	1.496E+03	1.297E+03	6.077E+04	8.215E+03	4.375E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 81)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	8	9	9	8	3	8	9	12	9	8	8	8
X MAXIMUM	-2.637E+02	-6.924E+02	-4.563E+02	-3.353E+04	-3.188E+03	1.911E+04	-6.738E+02	3.958E+02	-4.563E+02	-2.428E+04	2.157E+04	1.659E+04
Y	9	9	9	8	38	8	9	9	9	8	8	9
Y MAXIMUM	3.677E+02	9.789E+02	6.452E+02	-3.087E+04	-1.680E+03	1.759E+04	9.526E+02	4.314E+02	6.452E+02	-2.235E+04	1.986E+04	-1.718E+04
Z	12	12	12	15	12	12	17	12	12	15	15	17
Z MAXIMUM	-3.978E+02	5.417E+02	4.243E+02	-2.152E+04	3.627E+03	1.075E+04	-1.854E+02	6.643E+02	4.243E+02	-1.605E+04	1.289E+04	9.157E+03
GRAND TOTAL	9.674E+02	1.496E+03	1.297E+03	6.074E+04	8.215E+03	4.378E+04	1.313E+03	1.204E+03	1.297E+03	4.354E+04	4.181E+04	4.251E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 81)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	8	9	9	8	8
X MAXIMUM	-6.919E+02	2.632E+02	-4.563E+02	-4.842E+03	2.972E+04	1.416E+04
Y	9	9	9	9	8	9
Y MAXIMUM	9.783E+02	-3.694E+02	6.452E+02	6.846E+03	2.737E+04	-1.741E+04
Z	12	12	12	12	15	17
Z MAXIMUM	5.424E+02	3.969E+02	4.243E+02	7.440E+03	1.790E+04	8.427E+03
GRAND TOTAL	1.496E+03	9.677E+02	1.297E+03	1.449E+04	5.614E+04	3.815E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 82)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	12	9	9	8	9	9	12	9	9	8	9
X MAXIMUM	-6.924E+02	-3.463E+02	5.065E+02	-4.816E+03	-3.102E+04	-1.918E+04	-6.924E+02	-3.463E+02	5.065E+02	-4.816E+03	-3.004E+04	-1.946E+04
Y	9	13	9	9	8	9	9	13	9	9	8	9
Y MAXIMUM	9.789E+02	-2.562E+02	-7.161E+02	6.809E+03	-2.856E+04	2.712E+04	9.789E+02	-2.562E+02	-7.161E+02	6.809E+03	-2.766E+04	2.752E+04
Z	12	12	15	12	15	15	12	12	15	12	15	15
Z MAXIMUM	5.417E+02	-5.813E+02	2.105E+02	7.445E+03	-8.537E+03	1.677E+04	5.417E+02	-5.813E+02	2.105E+02	7.445E+03	-8.112E+03	1.605E+04
GRAND TOTAL	1.496E+03	1.007E+03	1.266E+03	1.450E+04	5.016E+04	4.572E+04	1.496E+03	1.007E+03	1.266E+03	1.450E+04	4.860E+04	4.514E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 83)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	12	8	9	8	9	9	12	8	9	9	9
X MAXIMUM	-6.287E+02	-2.513E+02	4.327E+02	-4.816E+03	-3.004E+04	-1.946E+04	-6.287E+02	-2.513E+02	4.327E+02	-4.816E+03	1.828E+04	-2.310E+04
Y	9	13	9	9	8	9	9	13	9	9	9	9
Y MAXIMUM	8.889E+02	-2.431E+02	-5.098E+02	6.809E+03	-2.766E+04	2.752E+04	8.889E+02	-2.431E+02	-5.098E+02	6.809E+03	-2.584E+04	3.266E+04
Z	12	15	15	12	15	15	12	15	15	12	1	12
Z MAXIMUM	4.174E+02	4.454E+02	2.478E+02	7.445E+03	-8.112E+03	1.605E+04	4.174E+02	4.454E+02	2.478E+02	7.445E+03	-5.418E+03	1.547E+04
GRAND TOTAL	1.316E+03	9.038E+02	1.037E+03	1.450E+04	4.860E+04	4.514E+04	1.316E+03	9.038E+02	1.037E+03	1.450E+04	3.756E+04	4.679E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 84)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	8	8	9	12	9	9	8	8	6	12	9
X MAXIMUM	-6.287E+02	-3.724E+02	-2.396E+02	-4.816E+03	-4.504E+03	2.926E+04	-6.672E+02	-4.641E+02	-2.396E+02	2.819E+03	-7.119E+03	2.961E+04
Y	9	9	9	9	9	9	9	8	9	9	9	9
Y MAXIMUM	8.889E+02	4.451E+02	2.759E+02	6.809E+03	-4.820E+03	-4.137E+04	9.433E+02	-4.273E+02	2.759E+02	2.134E+03	-6.468E+03	-4.186E+04
Z	12	15	12	12	12	12	12	15	12	25	12	12
Z MAXIMUM	4.174E+02	-4.901E+02	-2.105E+02	7.445E+03	-7.559E+03	-1.432E+04	5.681E+02	-3.900E+02	-2.105E+02	-1.756E+03	-1.195E+04	-1.567E+04
GRAND TOTAL	1.316E+03	1.149E+03	7.560E+02	1.450E+04	1.407E+04	5.833E+04	1.474E+03	9.377E+02	7.560E+02	7.392E+03	1.881E+04	5.889E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 84)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	8	9	8	12	12	9
X MAXIMUM	-3.724E+02	6.287E+02	-2.396E+02	-5.632E+03	-5.564E+03	2.643E+04
Y	9	9	9	13	9	9
Y MAXIMUM	4.451E+02	-8.889E+02	2.759E+02	-3.098E+03	-4.326E+03	-3.737E+04
Z	15	12	12	12	12	12
Z MAXIMUM	-4.901E+02	-4.174E+02	-2.105E+02	-9.453E+03	-9.340E+03	-1.403E+04
GRAND TOTAL	1.149E+03	1.316E+03	7.560E+02	1.510E+04	1.430E+04	5.289E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 85)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	8	9	8	12	12	9	8	9	8	12	12	9
X MAXIMUM	-1.947E+02	5.521E+02	-1.633E+02	-5.632E+03	-5.564E+03	2.643E+04	-1.947E+02	5.521E+02	-1.633E+02	-5.632E+03	-5.023E+03	2.096E+04
Y	9	9	8	13	9	9	9	9	8	13	9	9
Y MAXIMUM	2.343E+02	-7.805E+02	-1.504E+02	-3.098E+03	-4.326E+03	-3.737E+04	2.343E+02	-7.805E+02	-1.504E+02	-3.098E+03	-2.968E+03	-2.964E+04
Z	15	12	15	12	12	12	15	12	15	12	12	12
Z MAXIMUM	-5.259E+02	-2.917E+02	1.717E+02	-9.453E+03	-9.340E+03	-1.403E+04	-5.259E+02	-2.917E+02	1.717E+02	-9.453E+03	-8.431E+03	-1.114E+04
GRAND TOTAL	8.900E+02	1.131E+03	4.753E+02	1.510E+04	1.430E+04	5.289E+04	8.900E+02	1.131E+03	4.753E+02	1.510E+04	1.379E+04	4.242E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 86)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	8	8	9	12	9	12	3	8	9	9	9	12
X MAXIMUM	-1.947E+02	1.633E+02	5.521E+02	-5.632E+03	-2.096E+04	-5.023E+03	1.790E+02	2.254E+02	5.521E+02	-6.126E+03	-1.809E+04	-4.707E+03
Y	9	8	9	13	9	9	13	9	9	9	9	13
Y MAXIMUM	2.343E+02	1.504E+02	-7.805E+02	-3.098E+03	2.964E+04	-2.968E+03	2.139E+02	-2.164E+02	-7.805E+02	8.662E+03	2.558E+04	-2.537E+03
Z	15	15	12	12	12	12	15	12	12	12	12	12
Z MAXIMUM	-5.259E+02	-1.717E+02	-2.917E+02	-9.453E+03	1.114E+04	-8.431E+03	-5.516E+02	-2.035E+02	-2.917E+02	-4.663E+03	1.291E+04	-7.901E+03
GRAND TOTAL	8.900E+02	4.753E+02	1.131E+03	1.510E+04	4.242E+04	1.379E+04	8.452E+02	5.510E+02	1.131E+03	1.561E+04	3.855E+04	1.351E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 86)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	8	9	9	9	12
X MAXIMUM	2.030E+02	2.532E+02	5.521E+02	-1.221E+04	-1.246E+04	-4.186E+03
Y	16	9	9	9	9	17
Y MAXIMUM	-1.916E+02	-2.627E+02	-7.805E+02	1.727E+04	1.762E+04	2.603E+03
Z	15	12	12	15	12	12
Z MAXIMUM	-4.930E+02	-2.843E+02	-2.917E+02	-4.981E+03	1.270E+04	-7.027E+03
GRAND TOTAL	7.184E+02	7.085E+02	1.131E+03	2.455E+04	2.976E+04	1.260E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 87)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	8	9	12	9	3	9	8	9	8	8
X MAXIMUM	2.030E+02	5.521E+02	-2.531E+02	-1.220E+04	-4.186E+03	1.247E+04	2.030E+02	5.521E+02	-2.531E+02	-1.220E+04	-1.010E+04	8.129E+03
Y	16	9	9	9	17	9	16	9	9	9	8	9
Y MAXIMUM	-1.917E+02	-7.805E+02	2.626E+02	1.725E+04	2.603E+03	-1.764E+04	-1.917E+02	-7.805E+02	2.626E+02	1.725E+04	-1.014E+04	9.302E+03
Z	15	12	12	15	12	12	15	12	12	15	17	15
Z MAXIMUM	-4.933E+02	-2.917E+02	2.841E+02	-4.973E+03	-7.027E+03	-1.270E+04	-4.933E+02	-2.917E+02	2.841E+02	-4.973E+03	-3.642E+03	6.575E+03
GRAND TOTAL	7.188E+02	1.131E+03	7.081E+02	2.452E+04	1.260E+04	2.978E+04	7.188E+02	1.131E+03	7.081E+02	2.452E+04	2.184E+04	2.133E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 88)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	12	9	8	8	3	9	12	9	8	9
X MAXIMUM	2.136E+02	3.346E+02	2.070E+02	-1.220E+04	-1.101E+04	8.129E+03	2.136E+02	3.346E+02	2.070E+02	-1.220E+04	-1.340E+04	-1.567E+04
Y	16	9	13	9	8	9	16	9	13	9	8	9
Y MAXIMUM	-2.233E+02	-4.731E+02	1.043E+02	1.725E+04	-1.014E+04	9.302E+03	-2.233E+02	-4.731E+02	1.043E+02	1.725E+04	-1.234E+04	2.215E+04
Z	15	12	12	15	17	15	15	12	12	15	12	17
Z MAXIMUM	-5.465E+02	-1.571E+02	3.474E+02	-4.973E+03	-3.642E+03	6.575E+03	-5.465E+02	-1.571E+02	3.474E+02	-4.973E+03	1.221E+04	-5.324E+03
GRAND TOTAL	7.409E+02	6.844E+02	5.366E+02	2.452E+04	2.184E+04	2.133E+04	7.409E+02	6.844E+02	5.366E+02	2.452E+04	3.086E+04	3.501E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 89)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	12	9	8	9	3	9	12	9	8	9
X MAXIMUM	2.136E+02	3.633E+02	2.070E+02	-1.220E+04	-1.340E+04	-1.567E+04	2.136E+02	3.633E+02	2.070E+02	-1.220E+04	-1.569E+04	-2.507E+04
Y	16	9	13	9	8	9	16	9	13	9	8	9
Y MAXIMUM	-2.233E+02	-5.137E+02	1.043E+02	1.725E+04	-1.234E+04	2.215E+04	-2.233E+02	-5.137E+02	1.043E+02	1.725E+04	-1.444E+04	3.545E+04
Z	15	12	12	15	12	17	15	12	12	15	12	17
Z MAXIMUM	-5.465E+02	-1.686E+02	3.474E+02	-4.973E+03	1.221E+04	-5.324E+03	-5.465E+02	-1.686E+02	3.474E+02	-4.973E+03	2.121E+04	-6.213E+03
GRAND TOTAL	7.409E+02	7.428E+02	5.366E+02	2.452E+04	3.086E+04	3.501E+04	7.409E+02	7.428E+02	5.366E+02	2.452E+04	4.244E+04	5.263E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 90)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	12	9	8	9	3	9	12	9	12	9
X MAXIMUM	2.237E+02	3.562E+01	1.921E+02	-1.220E+04	-1.569E+04	-2.507E+04	2.237E+02	3.562E+01	1.921E+02	-1.220E+04	2.259E+04	-2.692E+04
Y	16	17	17	9	8	9	16	17	17	9	8	9
Y MAXIMUM	-2.533E+02	6.332E+01	-1.262E+02	1.725E+04	-1.444E+04	3.545E+04	-2.533E+02	6.332E+01	-1.262E+02	1.725E+04	-1.306E+04	3.806E+04
Z	15	15	12	15	12	17	15	15	12	15	12	12
Z MAXIMUM	-5.968E+02	9.506E+01	3.225E+02	-4.973E+03	2.121E+04	-6.213E+03	-5.968E+02	9.506E+01	3.225E+02	-4.973E+03	3.791E+04	7.464E+03
GRAND TOTAL	9.313E+02	1.947E+02	5.248E+02	2.452E+04	4.244E+04	5.263E+04	9.313E+02	1.947E+02	5.248E+02	2.452E+04	5.911E+04	5.510E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 91)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	9	12	9	12	9	12	9	12	9	12	9
X MAXIMUM	-3.424E+02	-3.183E+02	1.892E+02	-1.220E+04	2.259E+04	-2.692E+04	-3.424E+02	-3.183E+02	1.892E+02	-1.220E+04	2.749E+04	-1.868E+04
Y	16	9	17	9	8	9	16	9	17	9	13	9
Y MAXIMUM	-2.831E+02	4.501E+02	-1.708E+02	1.725E+04	-1.306E+04	3.806E+04	-2.831E+02	4.501E+02	-1.708E+02	1.725E+04	1.310E+04	2.641E+04
Z	15	12	12	15	12	12	15	12	12	15	12	12
Z MAXIMUM	-6.468E+02	9.981E+01	3.176E+02	-4.973E+03	3.791E+04	7.464E+03	-6.468E+02	9.981E+01	3.176E+02	-4.973E+03	4.614E+04	4.879E+03
GRAND TOTAL	1.211E+03	6.660E+02	6.268E+02	2.452E+04	5.911E+04	5.510E+04	1.211E+03	6.660E+02	6.268E+02	2.452E+04	6.974E+04	3.855E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 92)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	9	12	9	12	9	12	9	12	9	8	9
X MAXIMUM	-3.424E+02	-3.183E+02	-6.148E+02	-1.220E+04	2.749E+04	-1.868E+04	-3.424E+02	-3.183E+02	-6.148E+02	-1.220E+04	7.129E+03	-4.966E+03
Y	16	9	8	9	13	9	16	9	8	9	9	9
Y MAXIMUM	-2.831E+02	4.501E+02	4.169E+02	1.725E+04	1.310E+04	2.641E+04	-2.831E+02	4.501E+02	4.169E+02	1.725E+04	-7.582E+03	7.022E+03
Z	15	12	12	15	12	12	15	12	12	15	15	15
Z MAXIMUM	-6.468E+02	9.981E+01	-1.032E+03	-4.973E+03	4.614E+04	4.879E+03	-6.468E+02	9.981E+01	-1.032E+03	-4.973E+03	1.573E+04	-5.281E+03
GRAND TOTAL	1.211E+03	6.660E+02	1.904E+03	2.452E+04	6.974E+04	3.855E+04	1.211E+03	6.660E+02	1.904E+03	2.452E+04	2.755E+04	1.506E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 93)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	9	12	9	8	9	12	9	12	9	8	6
X MAXIMUM	-5.790E+02	-7.292E+02	-3.249E+02	-1.220E+04	7.129E+03	-4.966E+03	-5.790E+02	-7.292E+02	-3.249E+02	-1.220E+04	9.308E+03	2.748E+03
Y	17	9	8	9	9	9	17	9	8	9	8	17
Y MAXIMUM	4.444E+02	1.031E+03	2.530E+02	1.725E+04	-7.582E+03	7.022E+03	4.444E+02	1.031E+03	2.530E+02	1.725E+04	8.570E+03	-2.815E+03
Z	12	12	12	15	15	15	12	12	12	15	15	15
Z MAXIMUM	-9.718E+02	2.105E+02	-5.453E+02	-4.973E+03	1.573E+04	-5.281E+03	-9.718E+02	2.105E+02	-5.453E+02	-4.973E+03	1.931E+04	-3.888E+03
GRAND TOTAL	1.755E+03	1.473E+03	1.056E+03	2.452E+04	2.755E+04	1.506E+04	1.755E+03	1.473E+03	1.056E+03	2.452E+04	3.295E+04	9.300E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 94)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	12	12	9	9	6	8	6	12	9	9	6	8
X MAXIMUM	-5.790E+02	3.249E+02	-7.292E+02	-1.220E+04	-2.748E+03	9.308E+03	2.420E+02	6.391E+02	-7.292E+02	-1.113E+04	-4.689E+03	1.187E+04
Y	17	8	9	9	17	8	16	8	9	9	9	8
Y MAXIMUM	4.444E+02	-2.530E+02	1.031E+03	1.725E+04	2.815E+03	8.570E+03	-3.693E+02	-3.804E+02	1.031E+03	1.573E+04	-4.817E+03	1.093E+04
Z	12	12	12	15	15	15	15	12	12	9	1	15
Z MAXIMUM	-9.718E+02	5.453E+02	2.105E+02	-4.973E+03	3.888E+03	1.931E+04	-8.351E+02	1.073E+03	2.105E+02	-2.577E+03	-5.928E+03	2.027E+04
GRAND TOTAL	1.755E+03	1.056E+03	1.473E+03	2.452E+04	9.300E+03	3.295E+04	1.226E+03	1.640E+03	1.473E+03	2.057E+04	1.390E+04	3.756E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 94)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	12	9	9	9	8
X MAXIMUM	3.249E+02	5.790E+02	-7.292E+02	-7.381E+03	5.636E+03	1.457E+04
Y	8	17	9	9	9	8
Y MAXIMUM	-2.530E+02	-4.444E+02	1.031E+03	1.044E+04	-7.969E+03	1.341E+04
Z	12	12	12	1	1	15
Z MAXIMUM	5.453E+02	9.718E+02	2.105E+02	-3.827E+03	-4.598E+03	1.682E+04
GRAND TOTAL	1.056E+03	1.755E+03	1.473E+03	1.607E+04	1.383E+04	4.123E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 95)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	9	12	9	8	9	12	9	12	9	8	6
X MAXIMUM	3.249E+02	-7.292E+02	-5.790E+02	-7.381E+03	1.457E+04	-5.636E+03	3.249E+02	-7.292E+02	-5.790E+02	-7.381E+03	1.643E+04	3.415E+03
Y	8	9	17	9	8	9	8	9	17	9	8	8
Y MAXIMUM	-2.530E+02	1.031E+03	4.444E+02	1.044E+04	1.341E+04	7.969E+03	-2.530E+02	1.031E+03	4.444E+02	1.044E+04	1.512E+04	-2.504E+03
Z	12	12	12	1	15	1	12	12	12	1	12	1
Z MAXIMUM	5.453E+02	2.105E+02	-9.718E+02	-3.827E+03	1.682E+04	4.598E+03	5.453E+02	2.105E+02	-9.718E+02	-3.827E+03	-2.212E+04	4.626E+03
GRAND TOTAL	1.056E+03	1.473E+03	1.755E+03	1.607E+04	4.123E+04	1.383E+04	1.056E+03	1.473E+03	1.755E+03	1.607E+04	4.501E+04	1.065E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 96)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	9	6	9	8	6	12	9	6	9	6	8
X MAXIMUM	3.249E+02	-6.392E+02	-2.932E+02	-7.381E+03	1.643E+04	3.415E+03	3.249E+02	-6.392E+02	-2.932E+02	-7.381E+03	-1.613E+04	-1.007E+04
Y	8	9	9	9	8	8	8	9	9	9	8	9
Y MAXIMUM	-2.530E+02	9.037E+02	4.080E+02	1.044E+04	1.512E+04	-2.504E+03	-2.530E+02	9.037E+02	4.080E+02	1.044E+04	1.354E+04	-1.177E+04
Z	12	15	15	1	12	1	12	15	15	1	12	1
Z MAXIMUM	5.453E+02	-2.598E+02	-3.333E+02	-3.827E+03	-2.212E+04	4.626E+03	5.453E+02	-2.598E+02	-3.333E+02	-3.827E+03	-1.835E+04	4.753E+03
GRAND TOTAL	1.056E+03	1.420E+03	8.653E+02	1.607E+04	4.501E+04	1.065E+04	1.056E+03	1.420E+03	8.653E+02	1.607E+04	3.850E+04	2.343E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 97)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	9	6	9	6	8	12	9	6	9	6	9
X MAXIMUM	3.249E+02	-2.478E+02	-2.932E+02	-7.381E+03	-1.613E+04	-1.007E+04	3.249E+02	-2.478E+02	-2.932E+02	-7.381E+03	-2.229E+04	1.353E+04
Y	8	9	9	9	8	9	8	9	9	9	8	9
Y MAXIMUM	-2.530E+02	3.503E+02	4.080E+02	1.044E+04	1.354E+04	-1.177E+04	-2.530E+02	3.503E+02	4.080E+02	1.044E+04	1.133E+04	-1.913E+04
Z	12	17	15	1	12	1	12	17	15	1	12	1
Z MAXIMUM	5.453E+02	1.728E+02	-3.333E+02	-3.827E+03	-1.835E+04	4.753E+03	5.453E+02	1.728E+02	-3.333E+02	-3.827E+03	-1.308E+04	5.009E+03
GRAND TOTAL	1.056E+03	6.864E+02	8.653E+02	1.607E+04	3.850E+04	2.343E+04	1.056E+03	6.864E+02	8.653E+02	1.607E+04	3.588E+04	3.188E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 98)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	12	6	9	9	9	6	6	12	9	9	8	6
X MAXIMUM	3.249E+02	2.932E+02	-2.478E+02	-7.381E+03	-1.353E+04	-2.229E+04	4.311E+02	-3.355E+02	-2.478E+02	-1.544E+04	8.097E+03	-2.332E+04
Y	8	9	9	9	9	8	9	9	9	9	9	8
Y MAXIMUM	-2.530E+02	-4.080E+02	3.503E+02	1.044E+04	1.913E+04	1.133E+04	-2.572E+02	-3.198E+02	3.503E+02	2.183E+04	8.377E+03	9.996E+03
Z	12	15	17	1	1	12	12	17	17	1	15	12
Z MAXIMUM	5.453E+02	3.333E+02	1.728E+02	-3.827E+03	-5.009E+03	-1.308E+04	2.080E+02	-5.632E+02	1.728E+02	-6.280E+03	-4.807E+03	-1.004E+04
GRAND TOTAL	1.056E+03	8.653E+02	6.864E+02	1.607E+04	3.188E+04	3.588E+04	7.074E+02	1.167E+03	6.864E+02	3.356E+04	1.868E+04	3.508E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 98)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	12	9	9	9	6
X MAXIMUM	2.932E+02	-3.249E+02	-2.478E+02	-1.576E+04	5.151E+03	-2.208E+04
Y	9	8	9	9	9	8
Y MAXIMUM	-4.080E+02	2.530E+02	3.503E+02	2.228E+04	-7.283E+03	8.109E+03
Z	15	12	17	1	1	15
Z MAXIMUM	3.333E+02	-5.453E+02	1.728E+02	-5.119E+03	3.717E+03	-6.620E+03
GRAND TOTAL	8.653E+02	1.056E+03	6.864E+02	3.665E+04	1.439E+04	3.247E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 99)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	9	12	9	6	9	6	9	12	9	6	23
X MAXIMUM	2.932E+02	-2.478E+02	3.249E+02	-1.576E+04	-2.208E+04	-5.151E+03	2.932E+02	-2.478E+02	3.249E+02	-1.576E+04	-1.784E+04	3.611E+03
Y	9	9	8	9	8	9	9	9	8	9	9	17
Y MAXIMUM	-4.080E+02	3.503E+02	-2.530E+02	2.228E+04	8.109E+03	7.283E+03	-4.080E+02	3.503E+02	-2.530E+02	2.228E+04	8.158E+03	9.681E+03
Z	15	17	12	1	15	1	15	17	12	1	15	17
Z MAXIMUM	3.333E+02	1.728E+02	5.453E+02	-5.119E+03	-6.620E+03	-3.717E+03	3.333E+02	1.728E+02	5.453E+02	-5.119E+03	-1.268E+04	-5.769E+03
GRAND TOTAL	8.653E+02	6.864E+02	1.056E+03	3.665E+04	3.247E+04	1.439E+04	8.653E+02	6.864E+02	1.056E+03	3.665E+04	2.940E+04	1.652E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 100)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	33	6	9	6	23	9	33	6	9	1	33
X MAXIMUM	3.167E+02	5.490E+01	2.500E+02	-1.576E+04	-1.784E+04	3.611E+03	3.167E+02	5.490E+01	2.500E+02	-1.576E+04	1.021E+04	-4.242E+03
Y	9	16	9	9	9	17	9	16	9	9	9	9
Y MAXIMUM	-4.478E+02	4.788E+01	-1.288E+02	2.228E+04	8.158E+03	9.681E+03	-4.478E+02	4.788E+01	-1.288E+02	2.228E+04	-4.353E+03	5.766E+03
Z	15	15	1	1	15	17	15	15	1	1	1	15
Z MAXIMUM	6.646E+02	9.192E+01	-1.920E+02	-5.119E+03	-1.268E+04	-5.769E+03	6.646E+02	9.192E+01	-1.920E+02	-5.119E+03	-1.782E+04	-4.427E+03
GRAND TOTAL	1.131E+03	1.742E+02	4.482E+02	3.665E+04	2.940E+04	1.652E+04	1.131E+03	1.742E+02	4.482E+02	3.665E+04	2.495E+04	1.516E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 101)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	9	1	9	1	33	9	9	1	9	1	9
X MAXIMUM	3.444E+02	9.790E+01	1.099E+02	-1.576E+04	1.021E+04	-4.242E+03	3.444E+02	9.790E+01	1.099E+02	-1.576E+04	1.366E+04	-7.153E+03
Y	9	17	26	9	9	9	9	17	26	9	1	9
Y MAXIMUM	-4.870E+02	2.226E+02	-7.225E+01	2.228E+04	-4.353E+03	5.766E+03	-4.870E+02	2.226E+02	-7.225E+01	2.228E+04	-3.306E+03	1.011E+04
Z	15	15	1	1	1	15	15	15	1	1	1	15
Z MAXIMUM	9.944E+02	1.453E+02	-1.918E+02	-5.119E+03	-1.782E+04	-4.427E+03	9.944E+02	1.453E+02	-1.918E+02	-5.119E+03	-2.384E+04	-8.989E+03
GRAND TOTAL	1.558E+03	4.629E+02	3.370E+02	3.665E+04	2.495E+04	1.516E+04	1.558E+03	4.629E+02	3.370E+02	3.665E+04	3.094E+04	1.937E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 102)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	9	1	9	1	9	9	6	1	1	9	9
X MAXIMUM	3.444E+02	9.790E+01	1.099E+02	-1.576E+04	1.366E+04	-7.153E+03	3.128E+02	-2.199E+02	1.099E+02	1.202E+04	1.248E+04	-6.868E+03
Y	9	17	26	9	1	9	9	17	26	9	9	9
Y MAXIMUM	-4.870E+02	2.226E+02	-7.225E+01	2.228E+04	-3.306E+03	1.011E+04	-4.422E+02	4.041E+02	-7.225E+01	1.371E+04	-1.765E+04	9.710E+03
Z	15	15	1	1	1	15	15	15	1	1	1	15
Z MAXIMUM	9.944E+02	1.453E+02	-1.918E+02	-5.119E+03	-2.384E+04	-8.989E+03	8.059E+02	-6.004E+02	-1.918E+02	-2.098E+04	-1.446E+04	-7.292E+03
GRAND TOTAL	1.558E+03	4.629E+02	3.370E+02	3.665E+04	3.094E+04	1.937E+04	1.245E+03	1.045E+03	3.370E+02	3.562E+04	3.327E+04	1.874E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 102)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	9	1	1	9	6
X MAXIMUM	9.790E+01	-3.444E+02	1.099E+02	1.465E+04	1.550E+04	5.376E+03
Y	17	9	26	1	9	9
Y MAXIMUM	2.226E+02	4.870E+02	-7.225E+01	-3.545E+03	-2.191E+04	3.976E+03
Z	15	15	1	1	15	17
Z MAXIMUM	1.453E+02	-9.944E+02	-1.918E+02	-2.557E+04	5.267E+03	3.901E+03
GRAND TOTAL	4.629E+02	1.558E+03	3.370E+02	3.309E+04	3.580E+04	1.627E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 103)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	9	1	1	9	6	9	9	1	1	9	6
X MAXIMUM	9.790E+01	3.444E+02	-1.099E+02	1.465E+04	-1.550E+04	-5.376E+03	9.790E+01	3.444E+02	-1.099E+02	1.465E+04	-1.541E+04	-6.189E+03
Y	17	9	26	1	9	9	17	9	26	1	9	17
Y MAXIMUM	2.226E+02	-4.870E+02	7.225E+01	-3.545E+03	2.191E+04	-6.976E+03	2.226E+02	-4.870E+02	7.225E+01	-3.545E+03	2.178E+04	7.594E+03
Z	15	15	1	1	15	17	15	15	1	1	15	17
Z MAXIMUM	1.453E+02	9.944E+02	-1.918E+02	-2.557E+04	-5.267E+03	-3.901E+03	1.453E+02	9.944E+02	-1.918E+02	-2.557E+04	-5.526E+03	-4.525E+03
GRAND TOTAL	4.629E+02	1.558E+03	3.370E+02	3.309E+04	3.580E+04	1.627E+04	4.629E+02	1.558E+03	3.370E+02	3.309E+04	3.557E+04	1.659E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 104,

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	23	1	1	9	6	9	23	1	1	9	23
X MAXIMUM	9.790E+01	-1.124E+02	-1.032E+02	1.465E+04	-1.541E+04	-6.189E+03	9.790E+01	-1.124E+02	-1.032E+02	1.465E+04	-1.568E+04	4.953E+03
Y	17	16	16	1	9	17	17	16	16	1	9	9
Y MAXIMUM	2.226E+02	-8.606E+01	-9.332E+01	-3.545E+03	2.178E+04	7.594E+03	2.226E+02	-8.606E+01	-9.332E+01	-3.545E+03	2.217E+04	-5.608E+03
Z	15	25	15	1	15	17	15	25	15	1	15	25
Z MAXIMUM	1.453E+02	-1.986E+02	-2.082E+02	-2.557E+04	-5.526E+03	-4.525E+03	1.453E+02	-1.986E+02	-2.082E+02	-2.557E+04	-1.438E+04	6.612E+03
GRAND TOTAL	4.629E+02	4.496E+02	3.959E+02	3.309E+04	3.557E+04	1.659E+04	4.629E+02	4.496E+02	3.959E+02	3.309E+04	3.882E+04	1.945E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 105)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	1	9	1	9	23	18	1	9	1	6	1
X MAXIMUM	-1.376E+02	6.608E+01	2.047E+02	1.465E+04	-1.568E+04	4.953E+03	-1.376E+02	6.608E+01	2.047E+02	1.465E+04	-1.391E+04	-3.340E+03
Y	17	9	9	1	9	9	17	9	9	1	26	33
Y MAXIMUM	2.431E+02	-5.179E+01	-2.894E+02	-3.545E+03	2.217E+04	-5.608E+03	2.431E+02	-5.179E+01	-2.894E+02	-3.545E+03	3.646E+03	3.032E+03
Z	15	1	1	1	15	25	15	1	1	1	1	1
Z MAXIMUM	1.798E+02	-1.153E+02	1.565E+02	-2.557E+04	-1.438E+04	6.612E+03	1.798E+02	-1.153E+02	1.565E+02	-2.557E+04	1.816E+04	1.456E+04
GRAND TOTAL	5.528E+02	2.081E+02	5.486E+02	3.309E+04	3.882E+04	1.945E+04	5.528E+02	2.081E+02	5.486E+02	3.309E+04	2.994E+04	2.166E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 106)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	33	18	1	6	1	18	33	18	1	6	1
X MAXIMUM	-1.860E+02	-1.901E+02	2.746E+02	1.465E+04	1.391E+04	-8.340E+03	-1.860E+02	-1.901E+02	2.746E+02	1.465E+04	1.675E+04	-9.391E+03
Y	17	33	9	1	26	33	17	33	9	1	9	1
Y MAXIMUM	2.631E+02	1.432E+02	-3.831E+02	-3.545E+03	3.646E+03	3.032E+03	2.631E+02	1.432E+02	-3.831E+02	-3.545E+03	-7.575E+03	2.273E+03
Z	15	25	15	1	1	1	15	25	15	1	1	1
Z MAXIMUM	2.140E+02	2.055E+02	3.434E+02	-2.557E+04	1.816E+04	1.456E+04	2.140E+02	2.055E+02	3.434E+02	-2.557E+04	1.932E+04	1.639E+04
GRAND TOTAL	6.515E+02	5.408E+02	8.084E+02	3.309E+04	2.994E+04	2.166E+04	6.515E+02	5.408E+02	8.084E+02	3.309E+04	3.464E+04	2.199E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 107)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	18	18	33	1	1	6	18	9	33	1	6	6
X MAXIMUM	-1.860E+02	-2.746E+02	-1.901E+02	1.465E+04	9.391E+03	1.675E+04	-3.257E+02	-2.918E+02	-1.901E+02	1.720E+04	-4.686E+03	1.807E+04
Y	17	9	33	1	1	9	17	9	33	1	9	9
Y MAXIMUM	2.631E+02	3.831E+02	1.432E+02	-3.545E+03	-2.273E+03	-7.575E+03	1.501E+02	4.125E+02	1.432E+02	-4.164E+03	1.711E+03	1.054E+04
Z	15	15	25	1	1	1	15	15	25	1	1	1
Z MAXIMUM	2.140E+02	-3.434E+02	2.055E+02	-2.557E+04	-1.639E+04	1.932E+04	-9.147E+01	-3.941E+02	2.055E+02	-3.003E+04	5.616E+03	1.982E+04
GRAND TOTAL	6.515E+02	8.084E+02	5.408E+02	3.309E+04	2.199E+04	3.464E+04	5.424E+02	8.853E+02	5.408E+02	3.850E+04	1.032E+04	3.796E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 107)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	33	1	1	6
X MAXIMUM	-2.746E+02	1.860E+02	-1.901E+02	1.010E+04	-1.394E+04	1.854E+04
Y	9	17	33	1	1	9
Y MAXIMUM	3.831E+02	-2.631E+02	1.432E+02	-2.444E+03	3.374E+03	-1.283E+04
Z	15	15	25	1	1	1
Z MAXIMUM	-3.434E+02	-2.140E+02	2.055E+02	-1.763E+04	2.433E+04	1.993E+04
GRAND TOTAL	8.084E+02	6.515E+02	5.408E+02	2.350E+04	3.157E+04	4.028E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 108)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	33	1	1	6	18	18	33	1	1	6
X MAXIMUM	-2.746E+02	-1.860E+02	1.901E+02	1.010E+04	1.394E+04	-1.854E+04	-2.746E+02	-1.860E+02	1.901E+02	1.010E+04	1.371E+04	-1.850E+04
Y	9	17	33	1	1	9	9	17	33	1	1	9
Y MAXIMUM	3.831E+02	2.631E+02	-1.432E+02	-2.444E+03	-3.374E+03	1.283E+04	3.831E+02	2.631E+02	-1.432E+02	-2.444E+03	-3.317E+03	1.343E+04
Z	15	15	25	1	1	1	15	15	25	1	1	1
Z MAXIMUM	-3.434E+02	2.140E+02	-2.055E+02	-1.763E+04	-2.433E+04	-1.993E+04	-3.434E+02	2.140E+02	-2.055E+02	-1.763E+04	-2.392E+04	-1.988E+04
GRAND TOTAL	8.084E+02	6.515E+02	5.408E+02	2.350E+04	3.157E+04	4.028E+04	8.084E+02	6.515E+02	5.408E+02	2.350E+04	3.122E+04	4.083E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 109)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	33	1	1	6	18	18	33	1	1	6
X MAXIMUM	-2.746E+02	-3.317E+02	1.901E+02	1.010E+04	1.371E+04	-1.850E+04	-2.746E+02	-3.317E+02	1.901E+02	1.010E+04	1.276E+04	-1.667E+04
Y	9	29	33	1	1	9	9	29	33	1	8	9
Y MAXIMUM	3.831E+02	-1.781E+02	-1.432E+02	-2.444E+03	-3.317E+03	1.343E+04	3.831E+02	-1.781E+02	-1.432E+02	-2.444E+03	3.370E+03	1.327E+04
Z	15	2	25	1	1	1	15	2	25	1	1	1
Z MAXIMUM	-3.434E+02	-3.161E+02	-2.055E+02	-1.763E+04	-2.392E+04	-1.988E+04	-3.434E+02	-3.161E+02	-2.055E+02	-1.763E+04	-2.228E+04	-1.987E+04
GRAND TOTAL	8.084E+02	7.319E+02	5.408E+02	2.350E+04	3.122E+04	4.083E+04	8.084E+02	7.319E+02	5.408E+02	2.350E+04	3.065E+04	3.796E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 110)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	18	1	1	6	18	18	18	1	18	18
X MAXIMUM	-2.746E+02	-3.546E+02	2.174E+02	1.010E+04	1.276E+04	-1.667E+04	-2.746E+02	-3.546E+02	2.174E+02	1.010E+04	1.153E+04	1.586E+04
Y	9	29	36	1	8	9	9	29	36	1	36	9
Y MAXIMUM	3.831E+02	-1.050E+02	-1.153E+02	-2.444E+03	3.370E+03	1.327E+04	3.831E+02	-1.050E+02	-1.153E+02	-2.444E+03	-5.226E+03	9.409E+03
Z	15	2	1	1	1	1	15	2	1	1	2	1
Z MAXIMUM	-3.434E+02	-2.341E+02	3.019E+02	-1.763E+04	-2.228E+04	-1.987E+04	-3.434E+02	-2.341E+02	3.019E+02	-1.763E+04	-1.132E+04	-1.555E+04
GRAND TOTAL	8.084E+02	6.245E+02	5.655E+02	2.350E+04	3.065E+04	3.796E+04	8.084E+02	6.245E+02	5.655E+02	2.350E+04	2.793E+04	3.607E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 111)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	6	1	1	18	18	18	6	1	1	2	18
X MAXIMUM	-6.923E+02	-1.368E+02	-1.219E+02	1.010E+04	1.153E+04	1.586E+04	-6.923E+02	-1.368E+02	-1.219E+02	1.010E+04	1.205E+04	1.566E+04
Y	9	9	36	1	36	9	9	9	36	1	5	5
Y MAXIMUM	4.194E+02	1.429E+02	7.007E+01	-2.444E+03	-5.226E+03	9.409E+03	4.194E+02	1.429E+02	7.007E+01	-2.444E+03	-3.458E+03	1.227E+04
Z	15	2	1	1	2	1	15	2	1	1	2	2
Z MAXIMUM	-4.888E+02	-2.189E+02	2.127E+02	-1.763E+04	-1.132E+04	-1.555E+04	-4.888E+02	-2.189E+02	2.127E+02	-1.763E+04	-2.344E+04	2.708E+04
GRAND TOTAL	1.176E+03	4.405E+02	3.390E+02	2.350E+04	2.793E+04	3.607E+04	1.176E+03	4.405E+02	3.390E+02	2.350E+04	3.412E+04	4.243E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 112)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	18	1	2	18	18	18	18	1	2	2
X MAXIMUM	-1.108E+03	2.299E+02	-3.393E+02	1.010E+04	1.205E+04	1.566E+04	-1.108E+03	2.299E+02	-3.393E+02	1.010E+04	1.434E+04	-1.598E+04
Y	9	9	16	1	5	5	9	9	16	1	5	5
Y MAXIMUM	4.552E+02	1.523E+02	-1.035E+02	-2.444E+03	-3.458E+03	1.227E+04	4.552E+02	1.523E+02	-1.035E+02	-2.444E+03	-2.298E+03	1.389E+04
Z	15	2	15	1	2	2	15	2	15	1	2	2
Z MAXIMUM	-6.332E+02	-1.957E+02	-2.189E+02	-1.763E+04	-2.344E+04	2.708E+04	-6.332E+02	-1.957E+02	-2.189E+02	-1.763E+04	-2.791E+04	3.109E+04
GRAND TOTAL	1.623E+03	5.765E+02	5.535E+02	2.350E+04	3.412E+04	4.243E+04	1.623E+03	5.765E+02	5.535E+02	2.350E+04	3.544E+04	4.670E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 113)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	18	18	18	1	2	2	18	18	18	2	1	2
X MAXIMUM	-1.108E+03	2.299E+02	-3.393E+02	1.010E+04	1.434E+04	-1.598E+04	-6.208E+02	9.460E+02	-3.393E+02	1.396E+04	-1.234E+04	1.662E+04
Y	9	9	16	1	5	5	9	9	16	2	1	5
Y MAXIMUM	4.552E+02	1.523E+02	-1.035E+02	-2.444E+03	-2.298E+03	1.389E+04	4.296E+02	-2.142E+02	-1.035E+02	8.351E+02	2.986E+03	1.397E+04
Z	15	2	15	1	2	2	15	15	15	2	1	2
Z MAXIMUM	-6.332E+02	-1.957E+02	-2.189E+02	-1.763E+04	-2.791E+04	3.109E+04	-5.291E+02	3.664E+02	-2.189E+02	-2.716E+04	2.153E+04	3.234E+04
GRAND TOTAL	1.623E+03	5.765E+02	5.535E+02	2.350E+04	3.544E+04	4.670E+04	1.267E+03	1.166E+03	5.535E+02	3.100E+04	3.006E+04	4.645E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 113)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	18	2	1	2
X MAXIMUM	2.299E+02	1.108E+03	-3.393E+02	1.535E+04	-9.816E+03	-1.688E+04
Y	9	9	16	5	1	5
Y MAXIMUM	1.523E+02	-4.552E+02	-1.035E+02	-1.789E+03	2.376E+03	1.317E+04
Z	2	15	15	2	1	2
Z MAXIMUM	-1.957E+02	6.332E+02	-2.189E+02	-2.987E+04	1.713E+04	3.285E+04
GRAND TOTAL	5.765E+02	1.623E+03	5.535E+02	3.711E+04	2.207E+04	4.366E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 114)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	18	2	2	1	18	18	18	2	18	1
X MAXIMUM	2.299E+02	3.393E+02	1.108E+03	1.535E+04	1.688E+04	-9.816E+03	2.299E+02	3.393E+02	1.108E+03	1.535E+04	1.864E+04	-9.320E+03
Y	9	16	9	5	5	1	9	16	9	5	5	9
Y MAXIMUM	1.523E+02	1.035E+02	-4.552E+02	-1.789E+03	-1.317E+04	2.376E+03	1.523E+02	1.035E+02	-4.552E+02	-1.789E+03	-1.065E+04	2.809E+03
Z	2	15	15	2	2	1	2	15	15	2	2	1
Z MAXIMUM	-1.957E+02	2.189E+02	6.332E+02	-2.987E+04	-3.285E+04	1.713E+04	-1.957E+02	2.189E+02	6.332E+02	-2.987E+04	-3.284E+04	1.627E+04
GRAND TOTAL	5.765E+02	5.535E+02	1.623E+03	3.711E+04	4.366E+04	2.207E+04	5.765E+02	5.535E+02	1.623E+03	3.711E+04	4.484E+04	2.220E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 115)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	2	10	2	18	1	18	2	10	2	18	2
X MAXIMUM	2.299E+02	-1.645E+02	-2.635E+02	1.535E+04	1.864E+04	-9.320E+03	2.299E+02	-1.645E+02	-2.635E+02	1.535E+04	1.588E+04	6.772E+03
Y	9	26	5	5	5	9	9	26	5	5	27	26
Y MAXIMUM	1.523E+02	8.011E+01	3.138E+02	-1.789E+03	-1.065E+04	2.809E+03	1.523E+02	8.011E+01	3.138E+02	-1.789E+03	-6.913E+03	-3.638E+03
Z	2	2	2	2	2	1	2	2	2	2	2	2
Z MAXIMUM	-1.957E+02	3.202E+02	3.242E+02	-2.987E+04	-3.284E+04	1.627E+04	-1.957E+02	3.202E+02	3.242E+02	-2.987E+04	-1.516E+04	-1.318E+04
GRAND TOTAL	5.765E+02	4.459E+02	7.091E+02	3.711E+04	4.484E+04	2.220E+04	5.765E+02	4.459E+02	7.091E+02	3.711E+04	3.119E+04	2.441E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 116)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	29	2	18	2	18	2	29	2	18	2	10	2
X MAXIMUM	-2.305E+02	-1.977E+02	-1.575E+02	1.535E+04	1.588E+04	6.772E+03	-2.305E+02	-1.977E+02	-1.575E+02	1.535E+04	-1.009E+04	2.834E+04
Y	9	5	5	5	27	26	9	5	5	5	5	5
Y MAXIMUM	1.559E+02	-5.763E+01	2.364E+02	-1.789E+03	-6.913E+03	-3.638E+03	1.559E+02	-5.763E+01	2.364E+02	-1.789E+03	3.224E+04	6.624E+03
Z	2	2	2	2	2	2	2	2	2	2	2	2
Z MAXIMUM	-1.802E+02	3.847E+02	2.316E+02	-2.987E+04	-1.516E+04	-1.318E+04	-1.802E+02	3.847E+02	2.316E+02	-2.987E+04	1.010E+04	-5.514E+04
GRAND TOTAL	6.376E+02	5.880E+02	4.138E+02	3.711E+04	3.119E+04	2.441E+04	6.376E+02	5.880E+02	4.138E+02	3.711E+04	3.702E+04	6.896E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 117)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	29	2	10	2	10	2	29	2	10	2	10	2
X MAXIMUM	-2.725E+02	-2.026E+02	5.276E+02	1.535E+04	-1.009E+04	2.834E+04	-2.725E+02	-2.026E+02	5.276E+02	1.535E+04	-5.230E+03	3.142E+04
Y	29	26	27	5	5	5	29	26	27	5	5	5
Y MAXIMUM	1.680E+02	-7.723E+01	1.021E+02	-1.789E+03	3.224E+04	6.624E+03	1.680E+02	-7.723E+01	1.021E+02	-1.789E+03	3.313E+04	7.524E+03
Z	2	2	10	2	2	2	2	2	10	2	2	2
Z MAXIMUM	-1.646E+02	3.943E+02	3.793E+02	-2.987E+04	1.010E+04	-5.514E+04	-1.646E+02	3.943E+02	3.793E+02	-2.987E+04	1.018E+04	-6.113E+04
GRAND TOTAL	7.133E+02	6.707E+02	7.170E+02	3.711E+04	3.702E+04	6.896E+04	7.133E+02	6.707E+02	7.170E+02	3.711E+04	3.566E+04	7.778E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 118)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	29	2	10	2	2	2	29	2	10	2	10	1
X MAXIMUM	-2.725E+02	9.013E+02	5.276E+02	1.535E+04	-5.230E+03	3.142E+04	-2.725E+02	9.013E+02	5.276E+02	1.535E+04	9.011E+03	1.772E+04
Y	29	5	27	5	5	5	29	5	27	5	5	5
Y MAXIMUM	1.680E+02	-7.593E+01	1.021E+02	-1.789E+03	3.313E+04	7.524E+03	1.680E+02	-7.593E+01	1.021E+02	-1.789E+03	3.437E+04	9.118E+03
Z	2	2	10	2	2	2	2	2	10	2	2	1
Z MAXIMUM	-1.646E+02	-1.754E+03	3.793E+02	-2.987E+04	1.018E+04	-6.113E+04	-1.646E+02	-1.754E+03	3.793E+02	-2.987E+04	1.029E+04	-3.093E+04
GRAND TOTAL	7.133E+02	2.085E+03	7.170E+02	3.711E+04	3.566E+04	7.778E+04	7.133E+02	2.085E+03	7.170E+02	3.711E+04	3.907E+04	4.673E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 119)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	29	10	2	2	1	10	10	10	2	1	2	10
X MAXIMUM	-2.725E+02	-6.898E+02	8.317E+02	1.535E+04	-1.607E+04	1.049E+04	-5.128E+02	-4.627E+02	8.317E+02	-1.658E+04	-1.515E+04	1.479E+04
Y	29	27	2	5	5	5	29	27	2	1	5	5
Y MAXIMUM	1.680E+02	-1.075E+02	4.976E+01	-1.789E+03	4.727E+03	3.524E+04	-1.580E+02	-1.604E+02	4.976E+01	4.012E+03	4.304E+03	3.541E+04
Z	2	2	2	2	1	1	2	2	2	1	2	1
Z MAXIMUM	-1.646E+02	-6.759E+02	-1.618E+03	-2.987E+04	2.805E+04	-1.312E+04	-5.944E+02	-3.615E+02	-1.618E+03	2.893E+04	2.948E+04	-1.406E+04
GRAND TOTAL	7.133E+02	1.189E+03	1.857E+03	3.711E+04	4.450E+04	4.159E+04	1.053E+03	9.022E+02	1.857E+03	3.506E+04	3.592E+04	4.457E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 119)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	29	2	1	2	10
X MAXIMUM	-6.898E+02	2.725E+02	8.317E+02	-1.613E+04	-7.865E+03	1.638E+04
Y	27	29	2	5	1	5
Y MAXIMUM	-1.075E+02	-1.680E+02	4.976E+01	4.298E+03	-1.764E+03	3.474E+04
Z	2	2	2	1	2	1
Z MAXIMUM	-6.759E+02	1.646E+02	-1.618E+03	2.815E+04	1.530E+04	-1.513E+04
GRAND TOTAL	1.189E+03	7.133E+02	1.857E+03	3.617E+04	2.305E+04	4.571E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 120)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	29	2	1	2	10	10	29	2	1	1	10
X MAXIMUM	-6.905E+02	-2.725E+02	-8.309E+02	-1.611E+04	7.865E+03	-1.639E+04	-6.905E+02	-2.725E+02	-8.309E+02	-1.611E+04	-7.263E+03	-1.626E+04
Y	27	29	2	5	1	5	27	29	2	5	1	5
Y MAXIMUM	-1.074E+02	1.680E+02	-4.971E+01	4.381E+03	1.764E+03	-3.472E+04	-1.074E+02	1.680E+02	-4.971E+01	4.381E+03	1.758E+03	-3.419E+04
Z	2	2	2	1	2	1	2	2	2	1	1	1
Z MAXIMUM	-6.798E+02	-1.646E+02	1.617E+03	2.812E+04	-1.530E+04	1.520E+04	-6.798E+02	-1.646E+02	1.617E+03	2.812E+04	1.268E+04	1.569E+04
GRAND TOTAL	1.193E+03	7.133E+02	1.855E+03	3.614E+04	2.305E+04	4.573E+04	1.193E+03	7.133E+02	1.855E+03	3.614E+04	1.846E+04	4.564E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 121)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	1	1	10	10	10	2	1	2	10
X MAXIMUM	-6.901E+02	-7.852E+02	-8.314E+02	-1.612E+04	-7.263E+03	-1.625E+04	-6.901E+02	-7.852E+02	-8.314E+02	-1.612E+04	-1.978E+04	6.849E+03
Y	27	5	2	5	1	5	27	5	2	5	1	5
Y MAXIMUM	-1.075E+02	-6.360E+02	-4.974E+01	4.330E+03	1.758E+03	-3.419E+04	-1.075E+02	-6.360E+02	-4.974E+01	4.330E+03	1.710E+03	-1.548E+04
Z	2	10	2	1	1	1	2	10	2	1	2	1
Z MAXIMUM	-6.774E+02	-5.645E+02	1.618E+03	2.814E+04	1.268E+04	1.565E+04	-6.774E+02	-5.645E+02	1.618E+03	2.814E+04	3.848E+04	1.122E+04
GRAND TOTAL	1.191E+03	1.208E+03	1.856E+03	3.616E+04	1.846E+04	4.562E+04	1.191E+03	1.208E+03	1.856E+03	3.616E+04	4.741E+04	2.372E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 122)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	1	2	10	10	10	2	1	2	10
X MAXIMUM	-9.323E+02	-7.453E+02	-8.103E+02	-1.612E+04	-1.978E+04	6.849E+03	-9.323E+02	-7.453E+02	-8.103E+02	-1.612E+04	-5.360E+04	3.796E+04
Y	37	5	5	5	1	5	37	5	5	5	2	5
Y MAXIMUM	-1.563E+02	-5.861E+02	6.388E+01	4.330E+03	1.710E+03	-1.548E+04	-1.563E+02	-5.861E+02	6.388E+01	4.330E+03	-3.207E+03	8.984E+03
Z	10	10	2	1	2	1	10	10	2	1	2	10
Z MAXIMUM	-6.702E+02	-5.358E+02	1.577E+03	2.814E+04	3.848E+04	1.122E+04	-6.702E+02	-5.358E+02	1.577E+03	2.814E+04	1.043E+05	2.729E+04
GRAND TOTAL	1.346E+03	1.137E+03	1.778E+03	3.616E+04	4.741E+04	2.372E+04	1.346E+03	1.137E+03	1.778E+03	3.616E+04	1.194E+05	4.935E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 123)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	10	10	2	1	2	10	10	2	2	2	2	10
X MAXIMUM	-9.322E+02	-7.453E+02	-8.105E+02	-1.612E+04	-5.360E+04	3.797E+04	-1.186E+03	-1.803E+02	-8.105E+02	-4.434E+04	-3.876E+04	4.025E+04
Y	37	5	5	5	2	5	37	5	5	5	2	5
Y MAXIMUM	-1.563E+02	-5.861E+02	6.391E+01	4.338E+03	-3.207E+03	8.980E+03	-4.353E+02	-3.936E+02	6.391E+01	5.277E+03	-2.319E+03	1.263E+04
Z	10	10	2	1	2	10	10	2	2	2	2	10
Z MAXIMUM	-6.702E+02	-5.358E+02	1.577E+03	2.814E+04	1.043E+05	2.729E+04	-8.527E+02	3.508E+02	1.577E+03	8.628E+04	7.542E+04	2.894E+04
GRAND TOTAL	1.345E+03	1.137E+03	1.779E+03	3.616E+04	1.194E+05	4.935E+04	1.659E+03	5.911E+02	1.779E+03	1.031E+05	8.741E+04	5.288E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 123)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	2	1	10
X MAXIMUM	-7.452E+02	9.323E+02	-8.105E+02	-6.090E+04	1.613E+04	3.628E+04
Y	5	37	5	2	1	5
Y MAXIMUM	-5.861E+02	1.563E+02	6.391E+01	-3.644E+03	-3.903E+03	1.399E+04
Z	10	10	2	2	1	10
Z MAXIMUM	-5.357E+02	6.702E+02	1.577E+03	1.185E+05	-2.815E+04	2.609E+04
GRAND TOTAL	1.137E+03	1.345E+03	1.779E+03	1.353E+05	3.380E+04	4.879E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 124)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	2	10	1	10	2	10	2	10	1
X MAXIMUM	-7.453E+02	8.559E+02	8.279E+02	-6.090E+04	-3.548E+04	1.581E+04	-7.453E+02	8.559E+02	8.279E+02	-6.090E+04	-3.304E+04	1.588E+04
Y	5	5	37	2	5	5	5	5	37	2	5	5
Y MAXIMUM	-5.861E+02	-7.034E+01	1.516E+02	-3.644E+03	-1.149E+04	-8.829E+03	-5.861E+02	-7.034E+01	1.516E+02	-3.644E+03	-1.148E+04	-8.622E+03
Z	10	2	10	2	10	1	10	2	10	2	10	1
Z MAXIMUM	-5.358E+02	-1.665E+03	5.952E+02	1.185E+05	-2.550E+04	-2.760E+04	-5.358E+02	-1.665E+03	5.952E+02	1.185E+05	-2.375E+04	-2.772E+04
GRAND TOTAL	1.137E+03	1.955E+03	1.074E+03	1.353E+05	4.728E+04	3.588E+04	1.137E+03	1.955E+03	1.074E+03	1.353E+05	4.426E+04	3.663E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 125)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	2	10	1	10	2	10	2	10	2
X MAXIMUM	-6.897E+02	7.686E+02	1.117E+03	-6.090E+04	-3.304E+04	1.588E+04	-6.897E+02	7.686E+02	1.117E+03	-6.090E+04	-2.828E+03	-2.556E+04
Y	5	35	37	2	5	5	5	35	37	2	5	5
Y MAXIMUM	-4.400E+02	-7.362E+01	1.989E+02	-3.644E+03	-1.148E+04	-8.622E+03	-4.400E+02	-7.362E+01	1.989E+02	-3.644E+03	-1.224E+04	-7.027E+03
Z	10	2	10	2	10	1	10	2	10	2	1	2
Z MAXIMUM	-4.958E+02	-1.496E+03	8.027E+02	1.185E+05	-2.375E+04	-2.772E+04	-4.958E+02	-1.496E+03	8.027E+02	1.185E+05	3.485E+03	4.974E+04
GRAND TOTAL	1.012E+03	1.743E+03	1.439E+03	1.353E+05	4.426E+04	3.663E+04	1.012E+03	1.743E+03	1.439E+03	1.353E+05	1.401E+04	6.584E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 126)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	10	2	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	-6.897E+02	7.455E+02	1.151E+03	-6.090E+04	-9.410E+03	-2.377E+04	5.615E+02	5.856E+02	1.151E+03	-5.027E+04	3.508E+04	-2.839E+04
Y	5	35	37	2	5	1	5	5	37	5	5	1
Y MAXIMUM	-4.400E+02	-7.442E+01	2.116E+02	-3.644E+03	-1.400E+04	-3.920E+03	-3.572E+02	2.650E+02	2.116E+02	-7.458E+03	-1.237E+04	-3.858E+03
Z	10	2	10	2	2	2	2	2	10	2	2	2
Z MAXIMUM	-4.958E+02	-1.451E+03	8.276E+02	1.185E+05	1.831E+04	4.625E+04	-1.092E+03	-9.589E+02	8.276E+02	9.780E+04	-6.826E+04	5.524E+04
GRAND TOTAL	1.012E+03	1.652E+03	1.543E+03	1.353E+05	2.697E+04	6.167E+04	1.385E+03	1.354E+03	1.543E+03	1.113E+05	8.001E+04	7.023E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 126)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2
X MAXIMUM	7.455E+02	6.897E+02	1.151E+03	-1.129E+04	5.902E+04	-3.004E+04
Y	35	5	37	5	2	5
Y MAXIMUM	-7.442E+01	4.400E+02	2.116E+02	-1.403E+04	3.531E+03	-5.182E+03
Z	2	10	10	2	2	2
Z MAXIMUM	-1.451E+03	4.958E+02	8.276E+02	2.197E+04	-1.148E+05	5.846E+04
GRAND TOTAL	1.652E+03	1.012E+03	1.543E+03	3.230E+04	1.303E+05	7.346E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 127)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	7.452E+02	-6.897E+02	-1.151E+03	-1.133E+04	-5.902E+04	3.003E+04	7.452E+02	-6.897E+02	-1.151E+03	-1.133E+04	-5.839E+04	2.988E+04
Y	35	5	37	5	2	5	35	5	37	5	5	5
Y MAXIMUM	-7.440E+01	-4.400E+02	-2.116E+02	-1.403E+04	-3.531E+03	5.164E+03	-7.440E+01	-4.400E+02	-2.116E+02	-1.403E+04	3.504E+03	6.485E+03
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	-1.450E+03	-4.958E+02	-8.274E+02	2.204E+04	1.148E+05	-5.843E+04	-1.450E+03	-4.958E+02	-8.274E+02	2.204E+04	1.136E+05	-5.815E+04
GRAND TOTAL	1.651E+03	1.012E+03	1.543E+03	3.237E+04	1.303E+05	7.342E+04	1.651E+03	1.012E+03	1.543E+03	3.237E+04	1.289E+05	7.332E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 128)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	7.452E+02	-6.973E+02	-1.151E+03	-1.133E+04	-5.839E+04	2.988E+04	7.452E+02	-6.973E+02	-1.151E+03	-1.133E+04	-5.650E+04	2.977E+04
Y	35	5	37	5	5	5	35	5	37	5	37	5
Y MAXIMUM	-7.440E+01	-4.943E+02	-2.116E+02	-1.403E+04	3.504E+03	6.485E+03	-7.440E+01	-4.943E+02	-2.116E+02	-1.403E+04	4.672E+03	1.094E+04
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	-1.450E+03	-5.013E+02	-8.274E+02	2.204E+04	1.136E+05	-5.815E+04	-1.450E+03	-5.013E+02	-8.274E+02	2.204E+04	1.099E+05	-5.793E+04
GRAND TOTAL	1.651E+03	1.032E+03	1.543E+03	3.237E+04	1.289E+05	7.332E+04	1.651E+03	1.032E+03	1.543E+03	3.237E+04	1.257E+05	7.461E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 129)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	7.454E+02	-6.973E+02	-1.151E+03	-1.129E+04	-5.650E+04	2.978E+04	7.454E+02	-6.973E+02	-1.151E+03	-1.129E+04	-5.533E+04	2.971E+04
Y	35	5	37	5	37	5	35	5	37	5	37	5
Y MAXIMUM	-7.441E+01	-4.943E+02	-2.116E+02	-1.402E+04	-4.672E+03	1.095E+04	-7.441E+01	-4.943E+02	-2.116E+02	-1.402E+04	-5.859E+03	1.373E+04
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	-1.450E+03	-5.013E+02	-8.276E+02	2.198E+04	1.099E+05	-5.795E+04	-1.450E+03	-5.013E+02	-8.276E+02	2.198E+04	1.077E+05	-5.782E+04
GRAND TOTAL	1.652E+03	1.032E+03	1.543E+03	3.231E+04	1.257E+05	7.463E+04	1.652E+03	1.032E+03	1.543E+03	3.231E+04	1.245E+05	7.600E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 130)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	6.770E+02	-6.285E+02	-1.209E+03	-1.132E+04	-5.533E+04	2.970E+04	6.770E+02	-6.285E+02	-1.209E+03	-1.132E+04	-5.438E+04	2.944E+04
Y	35	5	37	5	37	5	35	5	37	5	37	5
Y MAXIMUM	-7.461E+01	-3.667E+02	-1.359E+02	-1.404E+04	-5.859E+03	1.371E+04	-7.461E+01	-3.667E+02	-1.359E+02	-1.404E+04	-6.863E+03	1.642E+04
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	-1.317E+03	-4.518E+02	-8.689E+02	2.203E+04	1.077E+05	-5.779E+04	-1.317E+03	-4.518E+02	-8.689E+02	2.203E+04	1.058E+05	-5.729E+04
GRAND TOTAL	1.556E+03	9.005E+02	1.553E+03	3.236E+04	1.245E+05	7.598E+04	1.556E+03	9.005E+02	1.553E+03	3.236E+04	1.250E+05	7.758E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 131)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	0	10	10	10	10	10	0	1	10
X MAXIMUM	-1.214E+02	-3.005E+02	-1.866E+02	0	7.638E+02	-1.230E+03	-1.214E+02	-3.005E+02	-1.866E+02	0	-1.221E-04	1.831E-04
Y	5	37	37	0	37	37	5	37	37	0	1	33
Y MAXIMUM	-2.088E+02	-3.502E+01	1.377E+02	0	-5.636E+02	-1.433E+02	-2.088E+02	-3.502E+01	1.377E+02	0	3.052E-05	1.526E-05
Z	10	2	2	0	2	2	10	2	2	0	2	10
Z MAXIMUM	-8.726E+01	-3.125E+02	1.638E+02	0	-6.704E+02	-1.279E+03	-8.726E+01	-3.125E+02	1.638E+02	0	4.883E-04	1.221E-04
GRAND TOTAL	2.962E+02	5.193E+02	3.952E+02	0	1.617E+03	2.125E+03	2.962E+02	5.193E+02	3.952E+02	0	5.359E-04	2.409E-04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 132)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	2	2	2	10	10	10	2	2	2
X MAXIMUM	1.042E+03	-3.857E+02	-1.324E+03	-1.244E+04	-5.438E+04	3.040E+04	1.042E+03	-3.857E+02	-1.324E+03	-1.244E+04	-5.632E+04	2.898E+04
Y	27	37	37	5	37	5	27	37	37	5	37	5
Y MAXIMUM	-9.369E+01	6.308E+01	1.454E+02	-1.438E+04	-6.863E+03	1.609E+04	-9.369E+01	6.308E+01	1.454E+02	-1.438E+04	-4.972E+03	1.543E+04
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	-8.656E+02	-2.773E+02	-9.515E+02	2.421E+04	1.058E+05	-5.916E+04	-8.656E+02	-2.773E+02	-9.515E+02	2.421E+04	1.096E+05	-5.638E+04
GRAND TOTAL	1.649E+03	6.187E+02	1.740E+03	3.447E+04	1.250E+05	7.811E+04	1.649E+03	6.187E+02	1.740E+03	3.447E+04	1.360E+05	7.653E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 133)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	2	2	2	10	10	10	2	2	2
X MAXIMUM	1.043E+03	-3.857E+02	-1.323E+03	-1.247E+04	-5.632E+04	2.897E+04	1.043E+03	-3.857E+02	-1.323E+03	-1.247E+04	-5.722E+04	2.831E+04
Y	27	37	37	5	37	5	27	37	37	5	37	5
Y MAXIMUM	-9.377E+01	6.308E+01	1.453E+02	-1.439E+04	-4.972E+03	1.541E+04	-9.377E+01	6.308E+01	1.453E+02	-1.439E+04	-4.100E+03	1.511E+04
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	-8.659E+02	-2.773E+02	-9.509E+02	2.425E+04	1.096E+05	-5.636E+04	-8.659E+02	-2.773E+02	-9.509E+02	2.425E+04	1.113E+05	-5.508E+04
GRAND TOTAL	1.650E+03	6.187E+02	1.738E+03	3.452E+04	1.360E+05	7.651E+04	1.650E+03	6.187E+02	1.738E+03	3.452E+04	1.420E+05	7.606E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 134)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	2	2	2	10	10	10	2	2	10
X MAXIMUM	1.042E+03	-3.857E+02	-1.324E+03	-1.244E+04	-5.722E+04	2.832E+04	1.042E+03	-3.857E+02	-1.324E+03	-1.244E+04	-5.767E+04	2.839E+04
Y	27	37	37	5	37	5	27	37	37	5	10	5
Y MAXIMUM	-9.369E+01	6.308E+01	1.454E+02	-1.438E+04	-4.100E+03	1.512E+04	-9.369E+01	6.308E+01	1.454E+02	-1.438E+04	-3.952E+03	1.497E+04
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	-8.656E+02	-2.773E+02	-9.515E+02	2.420E+04	1.113E+05	-5.510E+04	-8.656E+02	-2.773E+02	-9.515E+02	2.420E+04	1.122E+05	-5.445E+04
GRAND TOTAL	1.649E+03	6.187E+02	1.740E+03	3.447E+04	1.420E+05	7.608E+04	1.649E+03	6.187E+02	1.740E+03	3.447E+04	1.453E+05	7.592E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 135)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	2	2	10	10	2	10	2	2	10
X MAXIMUM	-9.606E+02	3.755E+02	6.433E+02	-1.244E+04	-5.767E+04	2.839E+04	-9.606E+02	3.755E+02	6.433E+02	-1.244E+04	-4.093E+04	1.933E+04
Y	37	5	4	5	10	5	37	5	4	5	4	5
Y MAXIMUM	7.877E+01	9.072E+01	-7.561E+01	-1.438E+04	-3.952E+03	1.496E+04	7.877E+01	9.072E+01	-7.561E+01	-1.438E+04	-5.084E+03	1.240E+04
Z	10	2	2	2	2	2	10	2	2	2	2	2
Z MAXIMUM	-6.906E+02	-7.307E+02	-1.150E+03	2.421E+04	1.122E+05	-5.445E+04	-6.906E+02	-7.307E+02	-1.150E+03	2.421E+04	7.964E+04	-3.376E+04
GRAND TOTAL	1.434E+03	9.517E+02	1.544E+03	3.448E+04	1.453E+05	7.592E+04	1.434E+03	9.517E+02	1.544E+03	3.448E+04	1.041E+05	5.077E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 136)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	2	2	10	10	10	10	2	4	24
X MAXIMUM	-6.057E+02	4.312E+02	6.343E+02	-1.245E+04	-4.093E+04	1.933E+04	-6.057E+02	4.312E+02	6.343E+02	-1.245E+04	1.968E+04	7.509E+03
Y	4	5	37	5	4	5	4	5	37	5	4	35
Y MAXIMUM	-7.937E+01	2.300E+02	8.729E+01	-1.439E+04	-5.084E+03	1.239E+04	-7.937E+01	2.300E+02	8.729E+01	-1.439E+04	-9.552E+03	-3.059E+03
Z	2	2	2	2	2	2	2	2	2	2	2	2
Z MAXIMUM	8.326E+02	-7.817E+02	-8.561E+02	2.422E+04	7.964E+04	-3.375E+04	8.326E+02	-7.817E+02	-8.561E+02	2.422E+04	3.116E+04	1.051E+04
GRAND TOTAL	1.272E+03	1.087E+03	1.265E+03	3.449E+04	1.041E+05	5.076E+04	1.272E+03	1.087E+03	1.265E+03	3.449E+04	5.014E+04	1.917E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 137)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	4	24	2	10	10	2	4	10
X MAXIMUM	-5.460E+02	4.708E+02	5.909E+02	-1.245E+04	1.968E+04	7.509E+03	-5.460E+02	4.708E+02	5.909E+02	-1.245E+04	2.349E+04	-1.842E+04
Y	4	5	4	5	4	35	4	5	4	5	4	5
Y MAXIMUM	-8.859E+01	2.772E+02	-6.516E+01	-1.439E+04	-9.552E+03	-3.059E+03	-8.859E+01	2.772E+02	-6.516E+01	-1.439E+04	-1.140E+04	-8.483E+03
Z	2	2	2	2	2	2	2	2	2	2	1	2
Z MAXIMUM	1.062E+03	-7.989E+02	-5.151E+02	2.422E+04	3.116E+04	1.051E+04	1.062E+03	-7.989E+02	-5.151E+02	2.422E+04	2.158E+04	3.314E+04
GRAND TOTAL	1.310E+03	1.148E+03	9.667E+02	3.449E+04	5.014E+04	1.917E+04	1.310E+03	1.148E+03	9.667E+02	3.449E+04	4.762E+04	4.683E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 138)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	24	10	2	4	10	2	24	10	2	4	10
X MAXIMUM	-5.461E+02	-8.801E+01	5.908E+02	-1.244E+04	2.349E+04	-1.842E+04	-5.461E+02	-8.801E+01	5.908E+02	-1.244E+04	2.385E+04	-1.824E+04
Y	4	37	4	5	4	5	4	37	4	5	4	5
Y MAXIMUM	-8.857E+01	-3.788E+02	-6.519E+01	-1.438E+04	-1.140E+04	-8.487E+03	-8.857E+01	-3.788E+02	-6.519E+01	-1.438E+04	-1.157E+04	-8.737E+03
Z	2	22	2	2	1	2	2	22	2	2	1	2
Z MAXIMUM	1.063E+03	-1.335E+02	-5.148E+02	2.421E+04	2.158E+04	3.315E+04	1.063E+03	-1.335E+02	-5.148E+02	2.421E+04	2.157E+04	3.288E+04
GRAND TOTAL	1.310E+03	4.696E+02	9.665E+02	3.448E+04	4.762E+04	4.683E+04	1.310E+03	4.696E+02	9.665E+02	3.448E+04	4.819E+04	4.650E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 139)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	24	2	10	4	10	10	24	2	10	4	10	10
X MAXIMUM	-5.460E+02	8.801E+01	-5.909E+02	-1.245E+04	-2.385E+04	1.824E+04	-3.504E+02	4.217E+02	-5.909E+02	-1.772E+04	-2.299E+04	1.680E+04
Y	37	4	5	4	5	5	37	4	5	4	5	5
Y MAXIMUM	-8.860E+01	3.788E+02	6.515E+01	-1.439E+04	1.157E+04	8.731E+03	2.924E+02	2.433E+02	6.515E+01	-8.979E+03	1.159E+04	9.522E+03
Z	22	2	2	2	1	2	22	2	2	2	1	2
Z MAXIMUM	1.062E+03	1.335E+02	5.152E+02	2.423E+04	-2.157E+04	-3.287E+04	6.818E+02	-8.206E+02	5.152E+02	-2.167E+04	-2.350E+04	-2.831E+04
GRAND TOTAL	1.310E+03	4.696E+02	9.669E+02	3.449E+04	4.819E+04	4.649E+04	9.072E+02	1.055E+03	9.669E+02	3.774E+04	4.799E+04	4.156E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 139)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	24	2	10	4	10	10
X MAXIMUM	8.814E+01	5.460E+02	-5.909E+02	-2.546E+04	-1.460E+04	1.444E+04
Y	37	4	5	4	5	5
Y MAXIMUM	3.788E+02	8.860E+01	6.515E+01	1.235E+04	1.493E+04	9.856E+03
Z	22	2	2	1	2	2
Z MAXIMUM	1.334E+02	-1.062E+03	5.152E+02	-2.154E+04	-1.806E+04	-1.895E+04
GRAND TOTAL	4.694E+02	1.310E+03	9.669E+02	5.224E+04	3.364E+04	3.208E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 140)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	24	2	10	4	2	10	24	2	10	4	10	10
X MAXIMUM	8.801E+01	-4.028E+02	6.417E+02	-2.546E+04	-1.230E+04	-1.893E+04	8.801E+01	-4.028E+02	6.417E+02	-2.546E+04	-1.356E+04	-1.888E+04
Y	37	4	5	4	5	5	37	4	5	4	5	5
Y MAXIMUM	3.788E+02	-1.068E+02	4.714E+01	1.235E+04	-1.757E+04	-3.380E+03	3.788E+02	-1.068E+02	4.714E+01	1.235E+04	-1.794E+04	-3.235E+03
Z	22	2	2	1	2	10	22	2	2	1	2	10
Z MAXIMUM	1.335E+02	7.837E+02	-8.830E+02	-2.153E+04	2.393E+04	-1.361E+04	1.335E+02	7.837E+02	-8.830E+02	-2.153E+04	1.620E+04	-1.358E+04
GRAND TOTAL	4.696E+02	9.979E+02	1.287E+03	5.225E+04	3.726E+04	2.777E+04	4.696E+02	9.979E+02	1.287E+03	5.225E+04	3.479E+04	2.518E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 141)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	24	2	10	4	10	10	24	2	10	4	10	10
X MAXIMUM	1.111E+02	-6.035E+02	3.506E+02	-2.546E+04	1.356E+04	-1.888E+04	1.111E+02	-6.035E+02	3.506E+02	-2.546E+04	1.469E+04	-1.979E+04
Y	37	4	5	4	5	5	37	4	5	4	5	5
Y MAXIMUM	3.285E+02	-1.070E+02	-6.328E+01	1.235E+04	-1.794E+04	-3.235E+03	3.285E+02	-1.070E+02	-6.328E+01	1.235E+04	-1.807E+04	-3.207E+03
Z	22	2	2	1	2	10	22	2	2	1	2	10
Z MAXIMUM	1.166E+02	1.174E+03	-6.098E+02	-2.153E+04	1.620E+04	-1.358E+04	1.166E+02	1.174E+03	-6.098E+02	-2.153E+04	1.422E+04	-1.423E+04
GRAND TOTAL	4.276E+02	1.435E+03	8.393E+02	5.225E+04	3.479E+04	2.518E+04	4.276E+02	1.435E+03	8.393E+02	5.225E+04	3.457E+04	2.592E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 142)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	24	10	2	4	10	10	24	10	2	10	4	10
X MAXIMUM	1.111E+02	4.437E+02	6.789E+02	-2.546E+04	-9.495E+03	-2.274E+04	3.650E+02	2.625E+02	6.789E+02	-2.461E+04	1.640E+04	-2.625E+04
Y	37	50	4	4	5	5	37	37	4	4	5	5
Y MAXIMUM	3.285E+02	5.466E+01	9.255E+01	1.235E+04	-1.199E+04	1.389E+04	1.991E+02	-2.655E+02	9.255E+01	9.055E+03	-1.001E+04	1.397E+04
Z	22	10	2	1	1	10	22	22	2	1	4	10
Z MAXIMUM	1.166E+02	3.190E+02	-1.321E+03	-2.153E+04	-9.787E+03	1.635E+04	2.624E+02	-2.151E+02	-1.321E+03	-2.257E+04	8.530E+03	-1.887E+04
GRAND TOTAL	4.276E+02	6.302E+02	1.539E+03	5.225E+04	2.294E+04	3.661E+04	5.559E+02	5.206E+02	1.539E+03	4.744E+04	2.849E+04	4.072E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 142)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	24	2	10	10	10
X MAXIMUM	4.437E+02	-1.111E+02	6.789E+02	-1.022E+04	2.429E+04	-2.720E+04
Y	50	37	4	5	4	5
Y MAXIMUM	5.466E+01	-3.285E+02	9.255E+01	-1.214E+04	-1.124E+04	1.352E+04
Z	10	22	2	1	1	10
Z MAXIMUM	3.190E+02	-1.166E+02	-1.321E+03	-1.123E+04	2.008E+04	-1.955E+04
GRAND TOTAL	6.302E+02	4.276E+02	1.539E+03	2.468E+04	4.848E+04	4.202E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 143)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	24	2	10	10	10	10	24	2	10	2	10
X MAXIMUM	4.437E+02	-1.111E+02	6.789E+02	-1.022E+04	2.429E+04	-2.720E+04	4.437E+02	-1.111E+02	6.789E+02	-1.022E+04	2.965E+04	-2.441E+04
Y	50	37	4	5	4	5	50	37	4	5	4	37
Y MAXIMUM	5.466E+01	-3.285E+02	9.255E+01	-1.214E+04	-1.124E+04	1.352E+04	5.466E+01	-3.285E+02	9.255E+01	-1.214E+04	-7.682E+03	1.241E+04
Z	10	22	2	1	1	10	10	22	2	1	2	2
Z MAXIMUM	3.190E+02	-1.166E+02	-1.321E+03	-1.123E+04	2.008E+04	-1.955E+04	3.190E+02	-1.166E+02	-1.321E+03	-1.123E+04	-5.769E+04	-1.852E+04
GRAND TOTAL	6.302E+02	4.276E+02	1.539E+03	2.468E+04	4.848E+04	4.202E+04	6.302E+02	4.276E+02	1.539E+03	2.468E+04	7.572E+04	4.310E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 144)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	10	2	10	10	10	2	10	2	10
X MAXIMUM	2.904E+02	-1.745E+02	7.549E+02	-1.021E+04	2.965E+04	-2.441E+04	2.904E+02	-1.745E+02	7.549E+02	-1.021E+04	7.248E+04	-1.451E+04
Y	27	5	4	5	4	37	27	5	4	5	2	37
Y MAXIMUM	-6.627E+01	7.109E+01	1.047E+02	-1.215E+04	-7.682E+03	1.241E+04	-6.627E+01	7.109E+01	1.047E+02	-1.215E+04	4.336E+03	1.365E+04
Z	2	10	2	1	2	2	2	10	2	1	2	2
Z MAXIMUM	5.069E+02	-1.254E+02	-1.469E+03	-1.123E+04	-5.769E+04	-1.853E+04	5.069E+02	-1.254E+02	-1.469E+03	-1.123E+04	-1.410E+05	-2.432E+04
GRAND TOTAL	7.457E+02	2.723E+02	1.745E+03	2.467E+04	7.572E+04	4.311E+04	7.457E+02	2.723E+02	1.745E+03	2.467E+04	1.596E+05	3.891E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 145)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	10	2	10	2	10	2	10
X MAXIMUM	-4.673E+02	-3.027E+02	8.156E+02	-1.047E+04	7.248E+04	-1.433E+04	-4.673E+02	-3.027E+02	8.156E+02	-1.047E+04	7.256E+04	-1.430E+04
Y	27	37	4	5	2	37	27	37	4	5	2	37
Y MAXIMUM	-9.176E+01	3.403E+02	1.086E+02	-1.202E+04	4.336E+03	1.364E+04	-9.176E+01	3.403E+02	1.086E+02	-1.202E+04	4.341E+03	1.361E+04
Z	2	10	2	1	2	2	2	10	2	1	2	2
Z MAXIMUM	9.093E+02	-2.176E+02	-1.587E+03	-1.114E+04	-1.410E+05	-2.416E+04	9.093E+02	-2.176E+02	-1.587E+03	-1.114E+04	-1.412E+05	-2.417E+04
GRAND TOTAL	1.105E+03	6.028E+02	1.934E+03	2.497E+04	1.596E+05	3.872E+04	1.105E+03	6.028E+02	1.934E+03	2.497E+04	1.597E+05	3.869E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 146)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	2	10	2	10	2	10	2	10	2	10	2	10
X MAXIMUM	-4.818E+02	-3.027E+02	8.071E+02	-1.021E+04	7.256E+04	-1.449E+04	-3.738E+02	-3.109E+02	8.071E+02	5.633E+04	5.266E+04	-1.248E+04
Y	27	37	4	5	2	37	37	37	4	5	5	37
Y MAXIMUM	-9.170E+01	3.403E+02	1.085E+02	-1.215E+04	4.341E+03	1.362E+04	2.100E+02	2.714E+02	1.085E+02	-1.006E+04	7.212E+03	1.162E+04
Z	2	10	2	1	2	2	2	10	2	1	2	2
Z MAXIMUM	9.375E+02	-2.176E+02	-1.570E+03	-1.124E+04	-1.412E+05	-2.433E+04	7.273E+02	-5.986E+02	-1.570E+03	-1.096E+05	-1.025E+05	-2.267E+04
GRAND TOTAL	1.136E+03	6.028E+02	1.917E+03	2.467E+04	1.597E+05	3.888E+04	9.280E+02	8.899E+02	1.917E+03	1.244E+05	1.171E+05	3.499E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 146)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	2	2	10	10
X MAXIMUM	-3.028E+02	4.819E+02	8.071E+02	7.894E+04	6.112E+03	-1.101E+04
Y	37	27	4	2	5	37
Y MAXIMUM	3.404E+02	9.171E+01	1.085E+02	4.723E+03	1.237E+04	1.059E+04
Z	10	2	2	2	1	2
Z MAXIMUM	-2.177E+02	-9.376E+02	-1.570E+03	-1.536E+05	1.032E+04	-1.764E+04
GRAND TOTAL	6.028E+02	1.136E+03	1.917E+03	1.735E+05	1.997E+04	2.919E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 147)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	24	2	2	10	10	2	24	2	2	10
X MAXIMUM	-3.027E+02	-9.400E+02	-1.699E+02	7.893E+04	-8.782E+03	1.088E+04	-3.027E+02	-9.400E+02	-1.699E+02	7.893E+04	-8.776E+03	7.993E+03
Y	37	4	27	2	5	5	37	4	27	2	5	5
Y MAXIMUM	3.403E+02	-9.588E+01	8.095E+01	4.723E+03	-1.155E+04	7.522E+03	3.403E+02	-9.588E+01	8.095E+01	4.723E+03	-1.162E+04	7.668E+03
Z	10	2	22	2	2	10	10	2	22	2	2	1
Z MAXIMUM	-2.176E+02	1.829E+03	2.088E+02	-1.536E+05	1.709E+04	7.824E+03	-2.176E+02	1.829E+03	2.088E+02	-1.536E+05	1.708E+04	6.385E+03
GRAND TOTAL	6.028E+02	2.179E+03	4.625E+02	1.735E+05	2.815E+04	2.144E+04	6.028E+02	2.179E+03	4.625E+02	1.735E+05	2.815E+04	1.857E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 148)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	10	2	2	2	2	10	2	10	2	2	2	10
X MAXIMUM	-3.027E+02	-4.807E+02	-8.078E+02	7.893E+04	-6.453E+03	1.024E+04	-3.731E+02	3.104E+02	-8.078E+02	4.841E+04	-6.723E+04	8.017E+03
Y	37	27	4	2	5	37	37	37	4	5	5	37
Y MAXIMUM	3.403E+02	-9.170E+01	-1.085E+02	4.723E+03	-1.252E+04	-1.034E+04	2.099E+02	-2.715E+02	-1.085E+02	-1.034E+04	-7.717E+03	-8.775E+03
Z	10	2	2	2	2	2	2	2	2	2	2	10
Z MAXIMUM	-2.176E+02	9.353E+02	1.572E+03	-1.536E+05	1.256E+04	1.240E+04	7.260E+02	5.968E+02	1.572E+03	-9.420E+04	1.308E+05	5.763E+03
GRAND TOTAL	6.028E+02	1.133E+03	1.918E+03	1.735E+05	2.301E+04	2.465E+04	9.268E+02	8.881E+02	1.918E+03	1.071E+05	1.483E+05	1.794E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 148)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	2	2	10
X MAXIMUM	-4.807E+02	3.027E+02	-8.078E+02	-1.615E+04	-8.863E+04	4.969E+03
Y	27	37	4	5	2	37
Y MAXIMUM	-9.170E+01	-3.403E+02	-1.085E+02	-1.287E+04	-5.303E+03	-5.734E+03
Z	2	10	2	2	2	10
Z MAXIMUM	9.353E+02	2.176E+02	1.572E+03	3.142E+04	1.724E+05	3.573E+03
GRAND TOTAL	1.133E+03	6.028E+02	1.918E+03	3.980E+04	1.948E+05	1.237E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 149)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	2	2	10	2	10	2	2	2	24
X MAXIMUM	-4.826E+02	-3.027E+02	8.067E+02	-1.615E+04	8.863E+04	-4.962E+03	-4.826E+02	-3.027E+02	8.067E+02	-1.615E+04	9.346E+04	3.335E+03
Y	27	37	4	5	2	37	27	37	4	5	2	5
Y MAXIMUM	-9.169E+01	3.403E+02	1.085E+02	-1.288E+04	5.303E+03	5.737E+03	-9.169E+01	3.403E+02	1.085E+02	-1.288E+04	5.592E+03	4.371E+03
Z	2	10	2	2	2	10	2	10	2	2	2	2
Z MAXIMUM	9.391E+02	-2.176E+02	-1.570E+03	3.142E+04	-1.724E+05	-3.567E+03	9.391E+02	-2.176E+02	-1.570E+03	3.142E+04	-1.819E+05	-2.749E+03
GRAND TOTAL	1.137E+03	6.028E+02	1.916E+03	3.981E+04	1.948E+05	1.233E+04	1.137E+03	6.028E+02	1.916E+03	3.981E+04	2.055E+05	9.478E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 150)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	2	2	10	2	24	2	2	10	10	2	2	2
X MAXIMUM	-4.815E+02	-8.073E+02	-3.027E+02	-1.615E+04	-3.335E+03	9.346E+04	-9.113E+02	2.701E+02	-3.027E+02	-1.260E+04	1.000E+04	9.862E+04
Y	27	4	37	5	5	2	4	4	37	5	5	2
Y MAXIMUM	-9.170E+01	-1.085E+02	3.403E+02	-1.287E+04	-4.389E+03	5.592E+03	-8.035E+01	-7.310E+01	3.403E+02	-1.189E+04	6.770E+03	5.900E+03
Z	2	2	10	2	2	2	2	2	10	2	2	2
Z MAXIMUM	9.369E+02	1.571E+03	-2.176E+02	3.142E+04	2.792E+03	-1.819E+05	1.773E+03	4.487E+02	-2.176E+02	2.452E+04	-1.946E+04	-1.919E+05
GRAND TOTAL	1.135E+03	1.917E+03	6.028E+02	3.981E+04	9.509E+03	2.055E+05	2.101E+03	7.414E+02	6.028E+02	3.230E+04	2.410E+04	2.171E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 150)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	2	10	2	2	2
X MAXIMUM	-8.076E+02	4.811E+02	-3.027E+02	-2.006E+03	1.558E+04	9.738E+04
Y	4	27	37	5	5	2
Y MAXIMUM	-1.085E+02	9.170E+01	3.403E+02	-3.300E+03	1.397E+04	5.826E+03
Z	2	2	10	2	2	2
Z MAXIMUM	1.571E+03	-9.361E+02	-2.176E+02	3.903E+03	-3.032E+04	-1.895E+05
GRAND TOTAL	1.918E+03	1.134E+03	6.028E+02	6.685E+03	3.995E+04	2.144E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 151)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	2	2	2	2	10	2	2	2	2
X MAXIMUM	-8.063E+02	-3.027E+02	-4.833E+02	-1.964E+03	9.738E+04	-1.559E+04	-8.063E+02	-3.027E+02	-4.833E+02	-1.964E+03	9.610E+04	-1.547E+04
Y	4	37	27	5	2	5	4	37	27	5	2	5
Y MAXIMUM	-1.085E+02	3.403E+02	-9.169E+01	-3.262E+03	5.826E+03	-1.398E+04	-1.085E+02	3.403E+02	-9.169E+01	-3.262E+03	5.750E+03	-1.422E+04
Z	2	10	2	2	2	2	2	10	2	2	2	2
Z MAXIMUM	1.569E+03	-2.176E+02	9.404E+02	3.821E+03	-1.895E+05	3.033E+04	1.569E+03	-2.176E+02	9.404E+02	3.821E+03	-1.870E+05	3.009E+04
GRAND TOTAL	1.915E+03	6.028E+02	1.139E+03	6.592E+03	2.144E+05	3.997E+04	1.915E+03	6.028E+02	1.139E+03	6.592E+03	2.116E+05	4.018E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 152)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	2	2	2	2	10	2	2	2	2
X MAXIMUM	-8.596E+02	-3.631E+02	-6.945E+02	-2.000E+03	9.610E+04	-1.546E+04	-8.596E+02	-3.631E+02	-6.945E+02	-2.000E+03	8.284E+04	-1.462E+04
Y	4	37	27	5	2	5	4	37	27	5	2	5
Y MAXIMUM	-1.037E+02	3.950E+02	-9.163E+01	-3.295E+03	5.750E+03	-1.421E+04	-1.037E+02	3.950E+02	-9.163E+01	-3.295E+03	4.956E+03	-1.623E+04
Z	2	10	2	2	2	2	2	10	2	2	2	2
Z MAXIMUM	1.673E+03	-2.610E+02	1.351E+03	3.891E+03	-1.870E+05	3.008E+04	1.673E+03	-2.610E+02	1.351E+03	3.891E+03	-1.612E+05	2.845E+04
GRAND TOTAL	2.014E+03	7.902E+02	1.569E+03	6.672E+03	2.116E+05	4.016E+04	2.014E+03	7.902E+02	1.569E+03	6.672E+03	1.827E+05	4.530E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 153)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	2	2	10	2	2	2	2	2	10	10	10	2
X MAXIMUM	-8.599E+02	6.942E+02	-3.631E+02	-2.006E+03	1.462E+04	8.284E+04	-7.620E+02	8.004E+02	-3.631E+02	-2.467E+03	1.608E+04	7.893E+04
Y	4	27	37	5	5	2	4	37	37	37	5	2
Y MAXIMUM	-1.037E+02	9.163E+01	3.950E+02	-3.302E+03	1.623E+04	4.956E+03	-1.050E+02	-9.181E+01	3.950E+02	2.002E+03	1.707E+04	4.722E+03
Z	2	2	10	2	2	2	2	2	10	22	2	2
Z MAXIMUM	1.673E+03	-1.351E+03	-2.610E+02	3.903E+03	-2.845E+04	-1.612E+05	1.483E+03	-1.557E+03	-2.610E+02	1.975E+03	-2.827E+04	-1.536E+05
GRAND TOTAL	2.015E+03	1.568E+03	7.902E+02	6.686E+03	4.530E+04	1.827E+05	1.819E+03	1.792E+03	7.902E+02	4.548E+03	4.770E+04	1.742E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 153)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	2	10	10	10	2
X MAXIMUM	-6.511E+02	8.930E+02	-3.631E+02	-4.668E+03	-1.752E+04	7.449E+04
Y	4	37	37	37	5	2
Y MAXIMUM	-1.045E+02	-9.465E+01	3.950E+02	3.858E+03	1.763E+04	4.457E+03
Z	2	2	10	2	2	2
Z MAXIMUM	1.267E+03	-1.737E+03	-2.610E+02	-3.472E+03	-2.761E+04	-1.449E+05
GRAND TOTAL	1.598E+03	1.991E+03	7.902E+02	8.766E+03	4.949E+04	1.646E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 154)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	10	2	10	2	10	2	10
X MAXIMUM	-6.519E+02	-3.631E+02	-8.924E+02	-4.653E+03	7.449E+04	1.752E+04	-6.519E+02	-3.631E+02	-8.924E+02	-4.653E+03	7.383E+04	1.779E+04
Y	4	37	37	37	2	5	4	37	37	37	2	5
Y MAXIMUM	-1.045E+02	3.950E+02	9.464E+01	3.845E+03	4.457E+03	-1.763E+04	-1.045E+02	3.950E+02	9.464E+01	3.845E+03	4.417E+03	-1.771E+04
Z	2	10	2	2	2	2	2	10	2	2	2	2
Z MAXIMUM	1.268E+03	-2.610E+02	1.736E+03	-3.449E+03	-1.449E+05	2.761E+04	1.268E+03	-2.610E+02	1.736E+03	-3.449E+03	-1.437E+05	2.755E+04
GRAND TOTAL	1.599E+03	7.902E+02	1.990E+03	8.730E+03	1.646E+05	4.949E+04	1.599E+03	7.902E+02	1.990E+03	8.730E+03	1.631E+05	4.984E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 155)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	31	2	10	2	10	2	31	2	10	2	10
X MAXIMUM	-6.504E+02	-1.055E+02	-8.935E+02	-4.682E+03	7.383E+04	1.778E+04	-6.504E+02	-1.055E+02	-8.935E+02	-4.682E+03	4.025E+04	1.505E+04
Y	4	37	37	37	2	5	4	37	37	37	27	5
Y MAXIMUM	-1.045E+02	-5.195E+02	9.466E+01	3.870E+03	4.417E+03	-1.771E+04	-1.045E+02	-5.195E+02	9.466E+01	3.870E+03	-4.437E+03	-1.377E+04
Z	2	2	2	2	2	2	2	2	2	2	2	2
Z MAXIMUM	1.266E+03	1.776E+02	1.738E+03	-3.493E+03	-1.437E+05	2.754E+04	1.266E+03	1.776E+02	1.738E+03	-3.493E+03	-7.831E+04	2.087E+04
GRAND TOTAL	1.596E+03	6.119E+02	1.992E+03	8.800E+03	1.631E+05	4.983E+04	1.596E+03	6.119E+02	1.992E+03	8.800E+03	9.139E+04	4.124E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 156)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	10	2	10	2	10	2	24
X MAXIMUM	-6.504E+02	1.111E+02	-1.090E+03	-4.683E+03	4.025E+04	1.505E+04	-6.504E+02	1.111E+02	-1.090E+03	-4.683E+03	-4.174E+04	-1.077E+04
Y	4	37	2	37	27	5	4	37	2	37	37	37
Y MAXIMUM	-1.045E+02	-2.032E+02	-6.523E+01	3.869E+03	-4.437E+03	-1.377E+04	-1.045E+02	-2.032E+02	-6.523E+01	3.869E+03	6.367E+03	1.951E+04
Z	2	2	2	2	2	2	2	2	2	2	2	2
Z MAXIMUM	1.266E+03	1.820E+02	2.122E+03	-3.495E+03	-7.831E+04	2.087E+04	1.266E+03	1.820E+02	2.122E+03	-3.495E+03	8.122E+04	7.179E+03
GRAND TOTAL	1.597E+03	3.627E+02	2.392E+03	8.803E+03	9.139E+04	4.124E+04	1.597E+03	3.627E+02	2.392E+03	8.803E+03	9.423E+04	2.939E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 157)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	24	2	10	2	24	2	24	2	10	2	24
X MAXIMUM	-6.506E+02	-2.315E+02	-1.182E+03	-4.683E+03	-4.174E+04	-1.077E+04	-6.506E+02	-2.315E+02	-1.182E+03	-4.683E+03	-1.306E+05	6.645E+03
Y	4	37	37	37	37	37	4	37	37	37	2	37
Y MAXIMUM	-1.046E+02	3.612E+02	-1.133E+02	3.872E+03	6.367E+03	1.951E+04	-1.046E+02	3.612E+02	-1.133E+02	3.872E+03	-7.814E+03	-7.652E+03
Z	2	2	2	2	2	2	2	2	2	2	2	2
Z MAXIMUM	1.266E+03	1.869E+02	2.299E+03	-3.494E+03	8.122E+04	7.179E+03	1.266E+03	1.869E+02	2.299E+03	-3.494E+03	2.541E+05	-6.876E+03
GRAND TOTAL	1.598E+03	6.133E+02	2.622E+03	8.802E+03	9.423E+04	2.939E+04	1.598E+03	6.133E+02	2.622E+03	8.802E+03	2.869E+05	1.730E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 158)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	24	2	10	2	24	2	24	2	10	2	24
X MAXIMUM	-6.509E+02	-2.694E+02	-1.194E+03	-4.684E+03	-1.306E+05	6.644E+03	-6.509E+02	-2.694E+02	-1.194E+03	-4.684E+03	-1.755E+05	1.678E+04
Y	4	37	37	37	2	37	4	37	37	37	2	37
Y MAXIMUM	-1.046E+02	5.017E+02	-1.555E+02	3.870E+03	-7.814E+03	-7.653E+03	-1.046E+02	5.017E+02	-1.555E+02	3.870E+03	-1.050E+04	-2.652E+04
Z	2	2	2	2	2	2	2	2	2	2	2	2
Z MAXIMUM	1.267E+03	1.878E+02	2.324E+03	-3.496E+03	2.541E+05	-6.875E+03	1.267E+03	1.878E+02	2.324E+03	-3.496E+03	3.415E+05	-1.394E+04
GRAND TOTAL	1.599E+03	7.489E+02	2.664E+03	8.804E+03	2.869E+05	1.730E+04	1.599E+03	7.489E+02	2.664E+03	8.804E+03	3.862E+05	4.489E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 159)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	23	32	32	0	9	12	23	32	32	0	32	32
X MAXIMUM	9.945E+01	2.004E+02	-3.320E+02	0	-3.662E-04	-7.324E-04	9.945E+01	2.004E+02	-3.320E+02	0	-1.693E+03	-1.022E+03
Y	27	32	32	0	9	9	27	32	32	0	32	32
Y MAXIMUM	-1.683E+02	1.610E+02	-2.666E+02	0	4.883E-04	-9.766E-04	-1.683E+02	1.610E+02	-2.666E+02	0	-1.360E+03	-8.210E+02
Z	12	32	32	0	15	12	12	32	32	0	32	32
Z MAXIMUM	-1.540E+02	1.359E+02	-2.250E+02	0	3.052E-04	-9.766E-04	-1.540E+02	1.359E+02	-2.250E+02	0	-1.148E+03	-6.929E+02
GRAND TOTAL	3.775E+02	3.518E+02	5.559E+02	0	8.521E-04	1.915E-03	3.775E+02	3.518E+02	5.559E+02	0	2.835E+03	1.794E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 160)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	3	0	3	3	3	11	3	0	3	11
X MAXIMUM	-4.095E+02	-1.196E+03	-2.532E+03	0	-2.930E-03	-1.953E-03	-4.095E+02	-1.196E+03	-2.532E+03	0	-5.772E+04	2.727E+04
Y	16	13	13	0	3	14	16	13	13	0	13	13
Y MAXIMUM	-8.754E+02	-5.181E+02	2.375E+02	0	-1.831E-04	2.441E-04	-8.754E+02	-5.181E+02	2.375E+02	0	5.416E+03	1.181E+04
Z	15	11	3	0	3	11	15	11	3	0	3	11
Z MAXIMUM	5.204E+02	1.631E+03	3.843E+02	0	4.883E-04	3.662E-04	5.204E+02	1.631E+03	3.843E+02	0	8.762E+03	-3.719E+04
GRAND TOTAL	1.593E+03	2.592E+03	2.640E+03	0	3.017E-03	2.069E-03	1.593E+03	2.592E+03	2.640E+03	0	6.020E+04	5.910E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 161)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	23	12	9	0	8	8	23	12	9	0	9	12
X MAXIMUM	2.127E+02	3.507E+02	-4.469E+02	0	-1.221E-04	7.324E-04	2.127E+02	3.907E+02	-4.469E+02	0	-2.279E+03	-1.992E+03
Y	27	9	9	0	27	8	27	9	9	0	9	9
Y MAXIMUM	-2.512E+02	3.822E+02	6.319E+02	0	-2.441E-04	7.324E-04	-2.512E+02	3.822E+02	6.319E+02	0	3.223E+03	-1.949E+03
Z	12	15	12	0	11	15	12	15	12	0	12	15
Z MAXIMUM	-2.254E+02	8.073E+02	-6.621E+02	0	1.526E-04	-9.766E-04	-2.254E+02	8.073E+02	-6.621E+02	0	-3.377E+03	-4.117E+03
GRAND TOTAL	6.361E+02	1.326E+03	1.301E+03	0	4.759E-04	1.884E-03	6.361E+02	1.326E+03	1.301E+03	0	6.636E+03	6.761E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 162)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	0	10	10	10	10	10	0	10	10
X MAXIMUM	-1.214E+02	3.005E+02	-1.866E+02	0	-7.324E-04	2.441E-04	-1.214E+02	3.005E+02	-1.866E+02	0	-7.638E+02	-1.230E+03
Y	5	37	37	0	5	5	5	37	37	0	37	37
Y MAXIMUM	-2.088E+02	3.502E+01	1.377E+02	0	4.883E-04	1.831E-04	-2.088E+02	3.502E+01	1.377E+02	0	5.636E+02	-1.433E+02
Z	10	2	2	0	2	10	10	2	2	0	2	2
Z MAXIMUM	-8.726E+01	3.125E+02	1.638E+02	0	-1.465E-03	1.526E-04	-8.726E+01	3.125E+02	1.638E+02	0	6.704E+02	-1.279E+03
GRAND TOTAL	2.962E+02	5.193E+02	3.952E+02	0	1.832E-03	3.755E-04	2.962E+02	5.193E+02	3.952E+02	0	1.617E+03	2.125E+03

# SUMMARY OF SUPPORT FORCES/MOMENTS IN GLOBAL/LOCAL SYSTEMS

BDRY= BOUNDARY ELEMENTS (SPRING)  
 THAM= THERMAL ANCHOR MOTION  
 SEAM= SEISMIC ANCHOR MOTION  
 SNBR= SNUBBER ELEMENT

LOAD CASE 1 IND SUP MOT BENCHMARK 4 ENVELOPE

KIND OF SUPPORT	NODE NUMBER	GLOBAL COMPONENTS						LOCAL COMPONENTS	
		FX	FY	FZ	MX	MY	MZ	FL	ML
BDRY	1	3724.	0.	0.	0.	0.	0.	3724.	0.
BDRY	1	0.	2390.	0.	0.	0.	0.	2390.	0.
BDRY	1	0.	0.	2156.	0.	0.	0.	2156.	0.
BDRY	17	0.	42.	0.	0.	0.	0.	42.	0.
BDRY	29	0.	2466.	0.	0.	0.	0.	2466.	0.
BDRY	37	0.	0.	4850.	0.	0.	0.	4850.	0.
BDRY	43	4751.	0.	365.	0.	0.	0.	4765.	0.
BDRY	49	0.	3835.	0.	0.	0.	0.	3835.	0.
BDRY	51	0.	267.	3471.	0.	0.	0.	3482.	0.
BDRY	56	2096.	0.	151.	0.	0.	0.	2101.	0.
BDRY	62	0.	61.	0.	0.	0.	0.	61.	0.
BDRY	67	2553.	0.	6152.	0.	0.	0.	6660.	0.
BDRY	72	0.	2669.	0.	0.	0.	0.	2669.	0.
BDRY	74	2428.	1641.	5862.	0.	0.	0.	6554.	0.
BDRY	87	0.	109.	0.	0.	0.	0.	109.	0.
BDRY	89	0.	5015.	0.	0.	0.	0.	5015.	0.
BDRY	94	3334.	0.	0.	0.	0.	0.	3334.	0.
BDRY	94	0.	4739.	0.	0.	0.	0.	4739.	0.
BDRY	94	0.	0.	861.	0.	0.	0.	861.	0.
BDRY	108	0.	64.	0.	0.	0.	0.	64.	0.
BDRY	112	2312.	0.	0.	0.	0.	0.	2312.	0.
BDRY	117	0.	432.	2034.	0.	0.	0.	2079.	0.
BDRY	119	0.	1153.	0.	0.	0.	0.	1153.	0.
BDRY	127	188.	0.	1819.	0.	0.	0.	1829.	0.
BDRY	133	0.	886.	0.	0.	0.	0.	886.	0.
BDRY	135	0.	398.	773.	0.	0.	0.	869.	0.
BDRY	141	1771.	0.	561.	0.	0.	0.	1858.	0.
BDRY	145	0.	0.	2571.	0.	0.	0.	2571.	0.
BDRY	149	0.	1349.	0.	0.	0.	0.	1349.	0.
BDRY	157	0.	106.	0.	0.	0.	0.	106.	0.
BDRY	165	3901.	1066.	1656.	0.	0.	0.	4370.	0.
BDRY	169	0.	1340.	0.	0.	0.	0.	1340.	0.
BDRY	188	0.	1170.	0.	0.	0.	0.	1170.	0.
BDRY	192	970.	0.	0.	0.	0.	0.	970.	0.
BDRY	192	0.	749.	0.	0.	0.	0.	749.	0.
BDRY	192	0.	0.	2952.	0.	0.	0.	2952.	0.



Problem 4b

Independent Support Motion Solution  
SRSS Group Combination

SUPPORT GROUP 1  
\*\*\*\*\*

DIRECTION FACTORS

X = 1.0000 Y = 1.0000 Z = 1.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION IN IN./SEC.2  
EQ.2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 1. KIND= 2

CLUSTER FACTOR, CF = .00010

## MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	2.612	.1159E-01	.1677E+00	-.7663E-01
2	2.914	-.3625E-02	-.6546E-02	-.2294E-02
3	4.337	.3049E+00	.2304E+00	-.3375E+00
4	4.660	.7278E-03	-.3414E-01	.1978E-01
5	5.734	.1863E-01	.3152E-01	-.1017E-01
6	5.833	-.6242E-01	.2084E+00	-.1360E+00
7	7.359	-.6196E+00	-.4665E+00	.2828E+00
8	7.769	.5825E+00	.7186E+00	-.3232E+00
9	9.952	.1296E+01	-.5619E-02	-.3692E+00
10	10.329	.4661E-01	-.3304E-02	-.9317E-02
11	10.679	-.4490E+00	-.2809E+00	-.3444E+00
12	10.943	.5496E+00	.6263E+00	.5127E+00
13	12.030	.1094E+00	.9386E-01	-.7415E-01
14	12.286	.2736E+00	.2139E+00	.1805E+00
15	13.251	-.2278E+00	.3756E-01	.1929E+00
16	13.407	-.1302E+00	.3797E+00	.1517E+00
17	14.429	.2663E+00	.6343E+00	-.2390E-01
18	14.720	.6266E-01	-.1817E-01	.4343E-02
19	15.253	-.2235E+00	.7133E+00	-.2865E+00
20	15.553	.3474E+00	-.2612E-01	.2364E+00
21	16.172	-.5261E-02	.1169E+00	.2751E-02
22	16.797	-.7635E-02	-.5374E-02	.4141E-02
23	17.230	-.1781E+00	-.8621E+00	.1642E+00
24	17.275	-.1446E+00	-.3601E+00	.9484E-01
25	17.453	.1980E+00	.6843E-01	-.9022E-01
26	18.710	-.1524E+00	.7908E+00	-.3870E+00

27	18.898	.2560E+00	-.1250E+01	.7374E+00
28	19.993	-.5424E-01	-.1312E+00	-.3587E-01
29	21.460	.7926E-01	.2281E+00	-.3772E-01
30	21.523	.2836E-01	-.1435E-01	.5839E-01
31	22.736	-.1630E+00	-.7738E-01	-.8108E-01
32	23.281	-.1481E+01	-.4701E-01	-.9601E+00
33	24.067	.3543E+00	-.1026E+00	.2686E+00
34	24.593	.3576E-02	-.2668E-01	.2170E-01
35	25.117	.6220E-01	-.2077E-01	.4806E-01
36	26.516	-.1005E+00	.9428E-01	-.1019E+00
37	26.935	-.9751E-02	.3940E-02	-.8541E-02
38	27.509	.9401E-01	.8400E-01	.8113E-01
39	28.662	-.2541E+00	.1448E+00	-.2636E+00
40	29.542	.2062E-01	.1286E-01	.2332E-02
41	30.596	.6658E-02	.1392E-01	-.3831E-02
42	31.274	-.1493E-01	.5314E-02	-.8484E-02
43	32.283	-.4171E-01	.1082E-01	-.2370E-01
44	35.484	-.8718E-01	.8961E-02	-.6448E-01
45	36.022	.6561E-01	.9672E-01	-.4354E-01
46	36.394	.3550E+00	.3443E+00	-.6961E-01
47	36.769	.1411E-01	-.2942E-01	.3878E-01
48	37.000	.1070E-01	.3587E-02	.4070E-02
49	38.420	-.5296E+00	-.5138E+00	.1201E+00
50	40.185	.1504E-03	-.2150E-03	.4027E-03

SPECTRUM TABLE ( SPECTRUM 1X )

NUMBER OF POINTS = 30  
 SCALE FACTOR = .38600E+03

INPUT POINT	PERIOD	SPECTRUM VALUE
1	1000E-01	2520E+00
2	2000E-01	2520E+00
3	3000E-01	5000E+00
4	3700E-01	1222E+01
5	5100E-01	1222E+01
6	5600E-01	1000E+01
7	7200E-01	1000E+01
8	7800E-01	9950E+00
9	1050E+00	9950E+00
10	1100E+00	9350E+00
11	1300E+00	9350E+00
12	1750E+00	4500E+00
13	2000E+00	1360E+01
14	3000E+00	1360E+01
15	3350E+00	6500E+00
16	4450E+00	6500E+00
17	4550E+00	5550E+00
18	5000E+00	5550E+00
19	5200E+00	5250E+00
20	5800E+00	5250E+00
21	6570E+00	3950E+00
22	7200E+00	3950E+00
23	8000E+00	3050E+00
24	9050E+00	3050E+00
25	9450E+00	3390E+00
26	1290E+01	3390E+00
27	1425E+01	2350E+00
28	1900E+01	1950E+00
29	2000E+01	1600E+00
30	5000E+01	1600E+00

SPECTRUM TABLE ( SPECTRUM 1Y )

NUMBER OF POINTS = 33  
SCALE FACTOR = .38600E+03

INPUT POINT	PERIOD	SPECTRUM VALUE
1	1000E-01	1650E+00
2	2000E-01	1650E+00
3	3000E-01	2950E+00
4	3300E-01	2950E+00
5	3500E-01	4150E+00
6	3800E-01	4150E+00
7	4200E-01	6000E+00
8	4500E-01	6000E+00
9	5000E-01	8750E+00
10	6800E-01	8750E+00
11	7700E-01	6250E+00
12	8500E-01	1000E+01
13	8900E-01	1000E+01

SPECTRUM TABLE (			SPECTRUM 12	
NUMBER OF POINTS = 30			SCALE FACTOR = .38600E+03	
INPUT POINT	PERIOD	SPECTRUM VALUE		
1	.100E-01	.2250E+00		.1400E+01
2	.200E-01	.2250E+00		.1400E+01
3	.310E-01	.5000E+00		.4000E+00
4	.370E-01	.1100E+01		.4000E+00
5	.400E-01	.1150E+01		.5000E+00
6	.5800E-01	.1150E+01		.5000E+00
7	.6300E-01	.8500E+00		.4520E+00
8	.7100E-01	.7550E+00		.3600E+00
9	.7900E-01	.6200E+00		.3600E+00
10	.8800E-01	.6200E+00		.3400E+00
11	.1040E+00	.1050E+01		.3400E+00
12	.1350E+00	.1050E+01		.2650E+00
13	.1520E+00	.8750E+00		.2550E+00
14	.1590E+00	.7000E+00		.2550E+00
15	.1700E+00	.7000E+00		.1410E+00
16	.1750E+00	.6400E+00		.1150E+00
17	.1900E+00	.6400E+00		.1150E+00
18	.2000E+00	.1150E+01		.8000E-01
19	.3000E+00	.1150E+01		.8000E-01
20	.3850E+00	.4960E+00		
21	.4750E+00	.4960E+00		
22	.5250E+00	.4350E+00		
23	.5750E+00	.4350E+00		
24	.6300E+00	.2800E+00		
25	.6410E+00	.3050E+00		





SUPPORT GROUP 2  
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DIRECTION FACTORS

X = 1.0000 Y = 1.0000 Z = 1.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION IN IN./SEC.2  
EQ.2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 2. KIND= 2

CLUSTER FACTOR, CF = .00010

MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	2.612	-.6371E+00	-.3665E-01	.3280E+00
2	2.914	.1046E+00	-.2560E+00	-.4592E-01
3	4.337	.1757E-02	-.2077E+00	.6709E+00
4	4.660	-.5061E-01	.2189E+00	-.8175E-02
5	5.734	-.1120E+00	-.2266E+00	.2529E-01
6	5.833	.1258E+01	.6271E+00	-.2031E+00
7	7.359	.1929E+00	.9172E-02	-.2297E+00
8	7.769	-.4753E+00	.2583E+00	-.4317E+00
9	9.952	.1860E-02	-.9817E+00	-.2965E+00
10	10.329	.6487E-02	-.1455E+00	.1027E-01
11	10.679	-.2795E+00	-.2470E+00	-.6740E+00
12	10.943	.6425E+00	.6443E+00	.1534E+01
13	12.030	.3198E+00	-.5860E-01	.8917E+00
14	12.286	.1647E+00	.1527E+00	.6223E+00
15	13.251	-.5518E+00	.2445E+00	.2707E+01
16	13.407	-.3723E+00	.5545E+00	.1413E+00
17	14.429	-.3908E+00	.1215E+01	-.1062E+01
18	14.720	-.5428E-01	.5405E-01	-.4553E+00
19	15.253	.1866E+00	.7063E+00	-.3845E+00
20	15.553	-.8280E+00	-.5151E+00	.3230E+00
21	16.172	-.1135E+00	.3317E+00	.9897E-01
22	16.797	-.1606E-01	-.2227E-01	-.5529E-01
23	17.230	.1584E+00	-.2467E+00	.2813E+00
24	17.275	-.6900E-02	-.1958E+00	-.1952E+00
25	17.453	.1302E+00	.2303E+00	.6717E+00
26	18.710	.1920E+00	.3309E+00	.3307E-01

27	18.898	.1026E+00	-.3141E+00	.1241E+00
28	19.993	-.4305E+00	.5081E+00	-.7655E-01
29	21.460	.1143E+00	-.6299E+00	-.9916E-01
30	21.523	-.9909E-01	-.4365E+00	-.9965E-01
31	22.736	.5466E-01	.1195E+00	.9518E-01
32	23.281	.1269E+00	-.5837E+00	.4118E-01
33	24.067	.3382E+00	-.6939E-01	.1912E+00
34	24.593	.9746E-02	-.5545E-02	-.1085E-01
35	25.117	.1705E+00	-.1502E+00	.5223E-01
36	26.516	.1026E+00	.7789E+00	.4659E-01
37	26.935	-.2129E-01	.4475E-01	-.4746E-03
38	27.509	.5650E+00	.6388E+00	.4803E-01
39	28.662	-.1563E+00	.1300E+01	.1956E+00
40	29.542	-.4861E-03	-.3925E-02	.2305E-02
41	30.596	.4457E-02	.2674E-02	.2342E-02
42	31.274	-.5256E-01	-.5605E-01	-.4615E-02
43	32.283	-.1278E+00	-.3355E+00	-.1453E-01
44	35.484	.2749E-01	-.5240E+00	.2186E-01
45	36.022	.7705E-02	.4090E-02	.2092E-01
46	36.394	.1197E-01	.1559E-01	.3427E-01
47	36.769	-.5693E-01	.8190E-01	-.2035E-01
48	38.000	-.4385E-02	.8004E-01	.1620E-02
49	38.420	-.1541E-01	-.3499E-01	-.4749E-01
50	40.185	-.1483E-02	.1290E-02	-.1094E-03

SPECTRUM TABLE (                      SPECTRUM 2X                      )

NUMBER OF POINTS = 19  
SCALE FACTOR = .38600E+03

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.1000E-01	.9000E-01
2	.3000E-01	.9000E-01
3	.5200E-01	.2500E+00
4	.6000E-01	.3000E+00
5	.8000E-01	.3000E+00
6	.1000E+00	.2300E+00
7	.1300E+00	.3500E+00
8	.1800E+00	.3500E+00
9	.1950E+00	.2900E+00
10	.2200E+00	.3500E+00
11	.3100E+00	.3900E+00
12	.4300E+00	.4700E+00
13	.5700E+00	.4700E+00
14	.8000E+00	.3100E+00
15	.1050E+01	.3100E+00
16	.1100E+01	.2500E+00
17	.1750E+01	.2200E+00
18	.2000E+01	.1500E+00
19	.5000E+01	.1500E+00

SPECTRUM TABLE ( SPECTRUM 2Y )

NUMBER OF POINTS = 17  
SCALE FACTOR = .38600E+03

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.1000E-01	.1940E+00
2	.3400E-01	.1940E+00
3	.3600E-01	.8500E+00
4	.4500E-01	.8500E+00
5	.4700E-01	.7600E+00
6	.5800E-01	.7600E+00
7	.6000E-01	.5000E+00
8	.7500E-01	.5000E+00
9	.9100E-01	.2600E+01
10	.1200E+00	.2600E+01
11	.1800E+00	.4700E+00
12	.2200E+00	.4700E+00
13	.2300E+00	.5250E+00
14	.2700E+00	.5250E+00
15	.1500E+01	.1250E+00
16	.2000E+01	.8500E-01
17	.5000E+01	.8500E-01

SPECTRUM TABLE ( SPECTRUM 2Z )

NUMBER OF POINTS = 19  
SCALE FACTOR = .38600E+03

[illegible]



SUPPORT GROUP 3  
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DIRECTION FACTORS

X = 1.0000 Y = 1.0000 Z = 1.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION IN IN./SEC.2  
EQ.2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 3. KIND= 2

CLUSTER FACTOR, CF = .00010

## MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	2.612	-.3225E+00	.1626E+00	.1152E+01
2	2.914	.2506E+00	.7229E-01	-.1550E+01
3	4.337	-.1564E-01	-.2614E+00	-.8684E+00
4	4.660	-.1184E+00	-.5106E-01	-.4000E+00
5	5.734	.3661E+00	.3040E-01	.1656E+00
6	5.833	.6186E+00	-.1697E+00	.7439E-02
7	7.359	.5174E+00	.5233E+00	.1378E+00
8	7.769	.1192E+01	-.2915E+00	.2166E+00
9	9.952	.1486E+01	-.5350E+00	.8143E+00
10	10.329	.2217E-01	-.2252E-01	.5004E+00
11	10.679	-.1369E+01	.6036E+00	.5944E+00
12	10.943	.1080E+01	-.7382E+00	.8436E-01
13	12.030	.5858E-01	.3748E+00	.1180E+01
14	12.286	-.1235E+00	.2003E+01	-.3420E+00
15	13.251	.3158E-03	.3453E-01	.6451E+00
16	13.407	.6047E+00	-.1188E+00	-.2162E+00
17	14.429	.4030E+00	.1995E+00	.2429E+00
18	14.720	.1474E+01	.7172E-01	.4111E+00
19	15.253	.4162E+00	.5139E+00	.2788E+00
20	15.553	.7176E+00	.1385E+00	-.1951E+00
21	16.172	.4051E+00	-.1374E+00	.2703E+00
22	16.797	.1788E+00	-.1213E-01	.1342E+00
23	17.230	.1818E+01	.5104E-01	-.1064E+00
24	17.275	.1283E+01	-.2520E-01	.7557E-01
25	17.453	-.3784E+00	.1061E+00	.8519E+00
26	18.710	-.2483E+00	.1888E+00	-.5811E+00

27	18.898	-.9243E+00	-.2604E+00	-.3059E+00
28	19.993	-.4879E+00	-.2609E+00	-.5166E+00
29	21.460	.3240E+00	.4298E+00	.4523E+00
30	21.523	.1670E-01	-.1249E-02	.2355E+00
31	22.736	.2051E+00	-.2286E+00	-.1380E+00
32	23.281	.3371E-01	-.6857E+00	-.1086E-01
33	24.067	.1036E+00	-.1917E+00	-.5682E+00
34	24.593	-.5462E-01	-.9613E-01	-.2759E-01
35	25.117	-.3349E-01	-.8747E-01	-.2184E-01
36	26.516	.3664E+00	-.2335E+00	-.7075E+00
37	26.935	.8274E-01	-.7356E-02	-.7932E-01
38	27.509	-.6549E-01	.1925E+00	.1815E+00
39	28.662	-.1129E+00	-.4003E-01	-.6028E-01
40	29.542	.7389E-01	.1908E+00	.3523E-01
41	30.596	.2075E-01	.3598E-01	-.5103E-01
42	31.274	.1078E+00	.1755E-01	-.2932E+00
43	32.283	.1982E+00	.2060E-01	.1138E+00
44	35.484	-.7260E-01	.1455E+00	-.8767E-01
45	36.022	-.1341E+00	-.1253E+01	.1232E+00
46	36.394	-.5632E-02	-.1197E+01	-.2602E+00
47	36.769	-.3286E-01	-.4407E-02	.1814E-01
48	38.000	.3718E-01	.4549E-02	-.7822E+00
49	38.420	-.2855E-01	.1482E+01	.2608E+00
50	40.185	.1775E-01	.2767E-02	-.6713E-02

SPECTRUM TABLE ( SPECTRUM 3X

NUMBER OF POINTS = 18  
SCALE FACTOR = .38600E+03

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INPUT POINT	PERIOD	SPECTRUM VALUE
1	.1000E-01	.1100E+00
2	.2600E-01	.1200E+00
3	.3200E-01	.2700E+00
4	.4000E-01	.2700E+00
5	.4200E-01	.3000E+00
6	.5600E-01	.3000E+00
7	.7000E-01	.8000E+00
8	.9500E-01	.8000E+00
9	.1200E+00	.3200E+00
10	.1850E+00	.3400E+00
11	.2100E+00	.2800E+00
12	.2400E+00	.7300E+00
13	.3300E+00	.7300E+00
14	.3400E+00	.5000E+00
15	.5800E+00	.5200E+00
16	.1730E+01	.2300E+00
17	.2000E+01	.1600E+00
18	.5000E+01	.1600E+00

SPECTRUM TABLE ( SPECTRUM 3Y  
 NUMBER OF POINTS = 18  
 SCALE FACTOR = .38600E+03

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.1000E-01	.1200E+00
2	.4300E-01	.1400E+00
3	.6000E-01	.1400E+00
4	.8000E-01	.4700E+00
5	.1200E+00	.4300E+00
6	.1600E+00	.4300E+00
7	.1700E+00	.4000E+00
8	.1850E+00	.5200E+00
9	.2500E+00	.5200E+00
10	.2950E+00	.4200E+00
11	.4100E+00	.4000E+00
12	.4300E+00	.3500E+00
13	.5200E+00	.3500E+00
14	.7000E+00	.2000E+00
15	.8000E+00	.1900E+00
16	.1720E+01	.1100E+00
17	.2000E+01	.8000E-01
18	.5000E+01	.8000E-01

SPECTRUM TABLE ( SPECTRUM 3Z  
 NUMBER OF POINTS = 18  
 SCALE FACTOR = .38600E+03

27	18.898	-.9243E+00	-.2604E+00	-.3059E+00
28	19.993	-.4879E+00	-.2609E+00	-.5166E+00
29	21.460	.3240E+00	.4298E+00	.4523E+00
30	21.523	.1670E-01	-.1249E-02	.2355E+00
31	22.736	.2051E+00	-.2286E+00	-.1380E+00
32	23.281	.3371E-01	-.6857E+00	-.1086E-01
33	24.067	.1036E+00	-.1917E+00	-.5682E+00
34	24.593	-.5462E-01	-.9613E-01	-.2759E-01
35	25.117	-.3349E-01	-.8747E-01	-.2184E-01
36	26.516	.3664E+00	-.2335E+00	-.7075E+00
37	26.935	.8274E-01	-.7356E-02	-.7932E-01
38	27.509	-.6549E-01	.1925E+00	.1815E+00
39	28.662	-.1129E+00	-.4003E-01	-.6028E-01
40	29.542	.7389E-01	.1908E+00	.3523E-01
41	30.596	.2075E-01	.3598E-01	-.5103E-01
42	31.274	.1078E+00	.1755E-01	-.2932E+00
43	32.283	.1982E+00	.2060E-01	.1138E+00
44	35.484	-.7260E-01	.1455E+00	-.8767E-01
45	36.022	-.1341E+00	-.1253E+01	.1232E+00
46	36.394	-.5632E-02	-.1197E+01	-.2602E+00
47	36.769	-.3286E-01	-.4407E-02	.1814E-01
48	38.000	.3718E-01	.4549E-02	-.7822E+00
49	38.420	-.2855E-01	.1482E+01	.2608E+00
50	40.185	.1775E-01	.2767E-02	-.6713E-02

SPECTRUM TABLE ( SPECTRUM 3X )

NUMBER OF POINTS = 18  
 SCALE FACTOR = .38600E+03

27	18.898	-.9243E+00	-.2604E+00	-.3059E+00
28	19.993	-.4879E+00	-.2609E+00	-.5166E+00
29	21.460	.3240E+00	.4298E+00	.4523E+00
30	21.523	.1670E-01	-.1249E-02	.2355E+00
31	22.736	.2051E+00	-.2286E+00	-.1380E+00
32	23.281	.3371E-01	-.6857E+00	-.1086E-01
33	24.067	.1036E+00	-.1917E+00	-.5082E+00
34	24.593	-.5462E-01	-.9613E-01	-.2759E-01
35	25.117	-.3349E-01	-.8747E-01	-.2184E-01
36	26.516	.3664E+00	-.2335E+00	-.7075E+00
37	26.935	.8274E-01	-.7356E-02	-.7932E-01
38	27.509	-.6549E-01	.1925E+00	.1815E+00
39	28.662	-.1129E+00	-.4003E-01	-.6028E-01
40	29.542	.7389E-01	.1908E+00	.3523E-01
41	30.596	.2075E-01	.3598E-01	-.5103E-01
42	31.274	.1078E+00	.1755E-01	-.2932E+00
43	32.283	.1982E+00	.2060E-01	.1138E+00
44	35.484	-.7260E-01	.1455E+00	-.9767E-01
45	36.022	-.1341E+00	-.1253E+01	.1232E+00
46	36.394	-.5632E-02	-.1197E+01	-.2602E+00
47	36.769	-.3286E-01	-.4407E-02	.1814E-01
48	38.000	.3718E-01	.4549E-02	-.7822E+00
49	38.420	-.2855E-01	.1482E+01	.2608E+00
50	40.185	.1775E-01	.2767E-02	-.6713E-02

SPECTRUM TABLE ( SPECTRUM 3X

NUMBER OF POINTS = 18  
 SCALE FACTOR = .38600E+03

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INPUT POINT	PERIOD	SPECTRUM VALUE
1	1000E-01	1100E+00
2	2600E-01	1200E+00
3	3200E-01	2700E+00
4	4000E-01	2700E+00
5	4200E-01	3000E+00
6	5600E-01	3000E+00
7	7000E-01	8000E+00
8	9500E-01	8000E+00
9	1200E+00	3200E+00
10	1850E+00	3400E+00
11	2100E+00	2800E+00
12	2400E+00	7300E+00
13	3300E+00	7300E+00
14	3400E+00	5000E+00
15	5800E+00	5200E+00
16	1730E+01	2300E+00
17	2000E+01	1600E+00
18	5000E+01	1600E+00

SPECTRUM TABLE ( SPECTRUM 3Y )  
 NUMBER OF POINTS = 18  
 SCALE FACTOR = 38500E+03

INPUT POINT	PERIOD	SPECTRUM VALUE
1	1000E-01	1200E+00
2	4300E-01	1400E+00
3	6000E-01	1400E+00
4	8000E-01	4700E+00
5	1200E+00	4300E+00
6	1600E+00	4300E+00
7	1700E+00	4000E+00
8	1850E+00	5200E+00
9	2500E+00	5200E+00
10	2950E+00	4200E+00
11	4100E+00	4000E+00
12	4300E+00	3500E+00
13	5200E+00	3500E+00
14	7000E+00	2000E+00
15	8000E+00	1900E+00
16	1720E+01	1100E+00
17	2000E+01	8000E-01
18	5000E+01	8000E-01

SPECTRUM TABLE ( SPECTRUM 3Z )  
 NUMBER OF POINTS = 18  
 SCALE FACTOR = 38600E+03

[illegible]

SUPPORT GROUP 4  
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DIRECTION FACTORS

X = 1.0000 Y = 1.0000 Z = 1.0000

INDICATOR FOR DISPLACEMENT OR ACCELERATION SPECTRUM = 1

EQ.0 DISPLACEMENT  
EQ.1 ACCELERATION IN IN./SEC.2  
EQ.2 ACCELERATION IN GS

3 SPECTRA ARE ENTERED FOR CASE 4. KIND= 2

CLUSTER FACTOR, CF = .00010

## MODAL PARTICIPATION FACTORS

MODE	FREQ(CPS)	X-DIRECTION	Y-DIRECTION	Z-DIRECTION
1	2.612	.1103E+00	.1709E-01	-.9860E-01
2	2.914	.2142E+01	.4012E+00	-.1432E+01
3	4.337	.3255E+01	.8462E+00	-.2218E-01
4	4.660	.4657E+00	-.5109E+00	.5593E+00
5	5.734	-.2447E+00	-.1653E+01	-.1298E+00
6	5.833	-.1953E-01	-.5550E+00	.3692E-01
7	7.359	.1933E+01	.6023E-01	.9936E+00
8	7.769	.7881E+00	.9915E-01	.4828E+00
9	9.952	.2631E-01	-.2398E+00	.4959E+00
10	10.329	.2376E+01	.2589E+00	.1258E+01
11	10.679	-.1196E+00	-.1045E+00	.3449E+01
12	10.943	.1259E+00	-.7139E+00	.1894E+01
13	12.030	-.2255E+00	.2093E+01	-.5641E+00
14	12.286	-.2512E+00	.5848E+00	.2479E+00
15	13.251	.9112E-01	-.5287E+00	-.1829E+00
16	13.407	-.6674E-01	.2179E+01	.6446E+00
17	14.429	-.2202E-01	-.5762E-01	-.1579E-01
18	14.720	.3381E+00	-.4765E-01	.1594E+00
19	15.253	-.8046E-02	-.1341E+01	-.5738E+00
20	15.553	-.8910E-01	-.2683E+00	-.1586E+00
21	16.172	.1399E+00	-.1596E+00	.7249E-01
22	16.797	-.4743E+00	-.2734E+00	-.9948E+00
23	17.230	-.1281E+00	-.6097E-01	.3736E+00
24	17.275	.3714E-01	.2032E+00	-.3427E+00
25	17.453	.1302E+00	.2695E+00	-.1656E+00
26	18.710	.4399E+00	-.8794E-01	-.1123E-01

27	18.893	.3694E+00	-.4197E+00	-.2162E+00
28	19.993	.5434E+00	-.6706E+00	.3795E-02
29	21.460	.6832E+00	-.1191E+01	-.6510E-01
30	21.523	.8943E-01	.2495E+00	.1341E+00
31	22.736	.6550E+00	.6588E+00	-.1957E-01
32	23.281	-.1456E-01	-.2249E+00	-.3163E-01
33	24.067	.1163E+00	-.6242E+00	.1978E-01
34	24.593	-.5019E+00	.3338E+00	-.3984E+00
35	25.117	-.3973E+00	-.2813E+00	-.1117E-01
36	26.516	.1246E-01	.8352E-01	-.1275E-01
37	26.935	.4952E-01	-.2433E+01	.2137E+00
38	27.509	.2366E-01	.2138E-01	.2116E-02
39	28.662	-.1236E-01	-.2634E-01	-.2444E-02
40	29.542	-.3745E+00	.4599E+00	-.5242E+00
41	30.596	-.1000E+01	-.1695E+00	.7191E+00
42	31.274	-.4029E+00	-.4335E+00	-.8078E-01
43	32.283	.1265E+00	-.4657E+00	.2891E-01
44	35.484	-.6480E-02	.7447E+00	.4003E-02
45	36.022	-.2180E+00	-.6199E-01	.6668E-01
46	36.394	.8893E-01	.2261E+00	-.1362E+00
47	36.769	-.2148E-01	.8930E+00	-.2865E-02
48	38.000	.1664E+00	.4174E+00	.3911E-01
49	38.420	-.2175E-01	.6886E-01	-.5303E-01
50	40.185	-.1263E+00	.1077E+01	.1106E+00

SPECTRUM TABLE ( SPECTRUM 4X

)

NUMBER OF POINTS = 19  
 SCALE FACTOR = .38600E+03

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.1000E-01	.1600E+00
2	.2600E-01	.1700E+00
3	.3100E-01	.3000E+00
4	.3800E-01	.3000E+00
5	.4200E-01	.4600E+00
6	.5900E-01	.4600E+00
7	.7100E-01	.1310E+01
8	.9600E-01	.1310E+01
9	.1300E+00	.3000E+00
10	.1950E+00	.2900E+00
11	.2400E+00	.1500E+01
12	.3200E+00	.1500E+01
13	.3400E+00	.8100E+00
14	.4500E+00	.5500E+00
15	.5800E+00	.5500E+00
16	.8000E+00	.3200E+00
17	.1730E+01	.2300E+00
18	.2000E+01	.1600E+00
19	.5610E+01	.1600E+00

SPECTRUM TABLE ( SPECTRUM 4Y )

NUMBER OF POINTS = 18  
SCALE FACTOR = .38600E+03

INPUT POINT	PERIOD	SPECTRUM VALUE
1	.1000E-01	.1400E+00
2	.5500E-01	.1800E+00
3	.8000E-01	.9000E+00
4	.1100E+00	.9000E+00
5	.1250E+00	.5200E+00
6	.1600E+00	.5200E+00
7	.1750E+00	.4500E+00
8	.1870E+00	.5400E+00
9	.2500E+00	.5400E+00
10	.2900E+00	.4300E+00
11	.3300E+00	.4300E+00
12	.4100E+00	.4000E+00
13	.4300E+00	.3600E+00
14	.5200E+00	.3600E+00
15	.6400E+00	.2000E+00
16	.1710E+01	.1100E+00
17	.2000E+01	.8000E-01
18	.5000E+01	.8000E-01

SPECTRUM TABLE ( SPECTRUM 4Z )

NUMBER OF POINTS = 19  
SCALE FACTOR = .38600E+03





COMBINATION OF INDIVIDUAL SUPPORT GROUP RESPONSES

KIND=1 SUPPORT COMBINATION AFTER SAP SUMMATION

KIND=1 SUPPORT COMBINATION DONE FIRST

GROUP COMBINATION TYPE= 3

ALGEBRAIC METHOD	= 1
ABSOLUTE METHOD	= 2
SRSS METHOD	= 3

MODE NUMBER	DISPLACEMENTS / ROTATIONS MODE NUMBER	TRANSLATION			ROTATION			ACCELERATIONS IN G'S		
		X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION	X- DIRECTION	Y- DIRECTION	Z- DIRECTION
1	TOTAL..	2.41606E-05	1.49703E-05	1.52330E-05	0.	0.	0.			
2	TOTAL..	0.	0.	0.	0.	0.	0.			
3	TOTAL..	0.	0.	0.	0.	0.	0.			
4	TOTAL..	0.	0.	0.	0.	0.	0.			
5	TOTAL..	9.91014E-05	5.83692E-05	2.06256E-05	3.14514E-06	5.23269E-06	1.18460E-06			
6	TOTAL..	1.26831E-03	7.62213E-04	1.89136E-04	4.38812E-05	7.00337E-05	2.20820E-05			
7	TOTAL..	2.41247E-03	1.52772E-03	3.72768E-04	1.17304E-04	1.76279E-04	7.29044E-05			
8	TOTAL..	3.26086E-03	2.10236E-03	4.41046E-04	1.91450E-04	2.72138E-04	8.99568E-05			
9	TOTAL..	3.28149E-03	2.11674E-03	4.39946E-04	1.92662E-04	2.72855E-04	9.03508E-05			
10	TOTAL..	7.77460E-03	5.61358E-03	1.80040E-03	4.00020E-04	5.33500E-04	1.81261E-04			
11	TOTAL..	1.02865E-02	7.94295E-03	4.10395E-03	4.43366E-04	5.73188E-04	2.07345E-04			
12	TOTAL..	1.15968E-02	9.19504E-03	5.32542E-03	4.46404E-04	5.75685E-04	2.09259E-04			
13	TOTAL..	1.23199E-02	9.88974E-03	5.99752E-03	4.48034E-04	5.76943E-04	2.10309E-04			
14	TOTAL..	1.70959E-02	1.45321E-02	1.04483E-02	4.58114E-04	5.83324E-04	2.17198E-04			
15	TOTAL..	1.65049E-02	1.45321E-02	1.08944E-02	4.58114E-04	5.83324E-04	2.17198E-04			
16	TOTAL..	2.39754E-02	2.13442E-02	1.68606E-02	4.71019E-04	5.88159E-04	2.27421E-04			
17	TOTAL..	2.52948E-02	2.26706E-02	1.80888E-02	4.87383E-04	5.91554E-04	2.42051E-04			

18 TOTAL ..	0.	0.	0.	0.	0.	0.
19 TOTAL ..	2.65912E-02	2.40042E-02	1.93012E-02	5.03390E-04	5.94062E-04	2.57231E-04
20 TOTAL ..	3.85526E-02	3.21564E-02	2.46284E-02	7.33598E-04	6.14753E-04	5.64149E-04
21 TOTAL ..	4.27226E-02	3.21595E-02	2.56501E-02	7.64442E-04	6.17219E-04	5.95454E-04
22 TOTAL ..	5.30794E-02	3.21606E-02	3.28305E-02	8.07545E-04	6.35030E-04	6.29902E-04
23 TOTAL ..	5.87165E-02	3.21612E-02	3.93777E-02	8.15770E-04	6.50506E-04	6.29194E-04
24 TOTAL ..	6.49725E-02	3.21525E-02	4.53574E-02	8.19405E-04	6.68926E-04	6.05452E-04
25 TOTAL ..	7.90142E-02	3.21314E-02	6.37320E-02	7.91229E-04	7.34852E-04	5.02928E-04
26 TOTAL ..	8.22667E-02	3.21235E-02	6.86480E-02	7.75675E-04	7.56851E-04	4.65409E-04
27 TOTAL ..	8.34018E-02	3.21205E-02	7.04453E-02	7.69472E-04	7.65372E-04	4.50901E-04
28 TOTAL ..	8.24251E-02	2.70050E-02	7.16539E-02	6.54234E-04	9.67207E-04	1.62149E-04
29 TOTAL ..	7.95580E-02	2.47244E-02	6.66819E-02	6.23194E-04	1.00538E-03	1.24048E-04
30 TOTAL ..	0.	0.	0.	0.	0.	0.
31 TOTAL ..	7.91094E-02	2.44075E-02	6.58407E-02	6.17855E-04	1.01237E-03	1.19135E-04
32 TOTAL ..	7.49958E-02	2.17998E-02	5.70835E-02	6.09132E-04	1.02448E-03	1.13630E-04
33 TOTAL ..	7.46923E-02	2.17998E-02	5.54369E-02	6.09132E-04	1.02448E-03	1.13630E-04
34 TOTAL ..	7.24905E-02	2.10131E-02	4.93593E-02	6.00256E-04	1.03791E-03	1.11796E-04
35 TOTAL ..	7.19504E-02	2.13381E-02	4.62284E-02	5.69795E-04	1.08331E-03	1.13921E-04

36 TOTAL..	7.19689E-02	2.12280E-02	4.17239E-02	5.14499E-04	1.28249E-03	1.47736E-04
37 TOTAL..	7.19461E-02	1.96625E-02	4.20557E-02	4.78004E-04	1.36860E-03	1.70886E-04
38 TOTAL..	0.	0.	0.	0.	0.	0.
39 TOTAL..	7.18992E-02	1.56879E-02	6.34054E-02	4.62954E-04	1.53768E-03	2.27111E-04
40 TOTAL..	7.18383E-02	1.06123E-02	9.96094E-02	5.30976E-04	1.68226E-03	3.07094E-04
41 TOTAL..	6.55669E-02	7.50113E-03	1.16684E-01	6.76919E-04	1.85363E-03	5.56098E-04
42 TOTAL..	6.47566E-02	7.50162E-03	1.15670E-01	6.85656E-04	1.86367E-03	5.60636E-04
43 TOTAL..	5.21295E-02	7.50806E-03	9.75625E-02	8.39478E-04	2.02575E-03	5.56292E-04
44 TOTAL..	0.	0.	0.	0.	0.	0.
45 TOTAL..	4.03082E-02	7.51673E-03	6.74300E-02	1.07400E-03	2.24909E-03	4.67643E-04
46 TOTAL..	2.87954E-02	7.52987E-03	3.28988E-02	1.60594E-03	2.71617E-03	3.81094E-04
47 TOTAL..	2.83157E-02	7.53041E-03	3.81242E-02	1.64125E-03	2.74513E-03	3.86524E-04
48 TOTAL..	2.58384E-02	1.73602E-03	1.97138E-02	2.02601E-03	2.91396E-03	6.35575E-04
49 TOTAL..	2.58389E-02	2.77625E-03	1.11247E-02	2.06439E-03	2.92935E-03	6.52710E-04
50 TOTAL..	0.	0.	0.	0.	0.	0.
51 TOTAL..	2.58396E-02	4.91176E-03	2.99573E-03	2.11070E-03	2.94753E-03	6.72656E-04
52 TOTAL..	0.	0.	0.	0.	0.	0.
53 TOTAL..	2.58464E-02	3.33029E-02	1.16388E-01	2.61675E-03	3.13131E-03	7.85928E-04
54 TOTAL..	2.58449E-02	4.09072E-02	1.46948E-01	2.74791E-03	3.17952E-03	7.90764E-04

55 TOTAL..	2.10542E-02	5.22935E-02	1.58674E-01	3.11696E-03	3.37505E-03	8.68648E-04
56 TOTAL..	2.09305E-02	5.23009E-02	1.45085E-01	3.16650E-03	3.42475E-03	8.86789E-04
57 TOTAL..	0.	0.	0.	0.	0.	0.
58 TOTAL..	4.86212E-02	5.23578E-02	1.03973E-01	3.44411E-03	3.83791E-03	1.04542E-03
59 TOTAL..	1.47518E-01	5.24291E-02	3.51868E-01	3.44159E-03	4.77844E-03	1.39008E-03
60 TOTAL..	1.70382E-01	5.24347E-02	4.06890E-01	3.36039E-03	4.97352E-03	1.47562E-03
61 TOTAL..	1.30299E-01	5.07714E-02	4.83052E-01	3.09779E-03	5.29145E-03	1.67377E-03
62 TOTAL..	1.18863E-01	5.66870E-02	4.89040E-01	3.07754E-03	5.31599E-03	1.70169E-03
63 TOTAL..	0.	0.	0.	0.	0.	0.
64 TOTAL..	9.35930E-02	7.64708E-02	5.04599E-01	3.02584E-03	5.37691E-03	1.77458E-03
65 TOTAL..	9.84646E-02	1.10660E-01	4.58541E-01	2.68476E-03	5.83213E-03	2.09657E-03
66 TOTAL..	1.34494E-01	8.93127E-02	3.40936E-01	2.55792E-03	6.00006E-03	2.25137E-03
67 TOTAL..	2.48611E-01	3.34889E-02	7.24424E-02	2.29383E-03	6.36890E-03	2.57219E-03
68 TOTAL..	0.	0.	0.	0.	0.	0.
69 TOTAL..	2.98321E-01	3.69876E-02	1.15814E-01	2.21197E-03	6.40646E-03	2.66954E-03
70 TOTAL..	2.98545E-01	3.70684E-02	1.16258E-01	2.21165E-03	6.40624E-03	2.66993E-03
71 TOTAL..	4.17397E-01	2.50318E-02	1.61413E-01	2.04893E-03	6.03970E-03	2.86012E-03
72 TOTAL..	4.34356E-01	2.44273E-02	1.54997E-01	2.04220E-03	6.01553E-03	2.87740E-03
73 TOTAL..	0.	0.	0.	0.	0.	0.



74 TOTAL..	4.50770E-01	2.69694E-02	1.48872E-01	2.03609E-03	5.99218E-03	2.89427E-03
75 TOTAL..	0.	0.	0.	0.	0.	0.
76 TOTAL..	4.99744E-01	4.52712E-02	1.31209E-01	2.01627E-03	5.91483E-03	2.94373E-03
77 TOTAL..	5.86275E-01	8.85977E-02	1.02724E-01	2.00949E-03	5.88976E-03	2.95541E-03
78 TOTAL..	5.20021E-01	8.85977E-02	9.41534E-02	2.00949E-03	5.88976E-03	2.95541E-03
79 TOTAL..	6.14793E-01	1.03622E-01	9.44993E-02	2.00405E-03	5.88060E-03	2.96716E-03
80 TOTAL..	6.72450E-01	1.34398E-01	8.07673E-02	1.99322E-03	5.86412E-03	2.99095E-03
81 TOTAL..	7.33461E-01	1.68017E-01	7.24709E-02	1.80920E-03	5.63018E-03	3.40902E-03
82 TOTAL..	7.12421E-01	2.11081E-01	7.86300E-02	3.47717E-04	2.58313E-03	6.82079E-03
83 TOTAL..	6.09785E-01	2.11075E-01	7.74091E-02	2.95293E-04	2.36679E-03	7.09852E-03
84 TOTAL..	2.34539E-01	2.11027E-01	6.24882E-02	4.48527E-04	1.62426E-03	7.23880E-03
85 TOTAL..	2.33842E-01	2.11027E-01	6.24474E-02	4.48874E-04	1.62290E-03	7.23781E-03
86 TOTAL..	1.45040E-01	1.31750E-01	4.21224E-02	9.14828E-04	9.98798E-04	4.78914E-03
87 TOTAL..	1.46903E-01	1.05256E-01	3.86086E-02	9.03277E-04	9.50234E-04	4.66631E-03
88 TOTAL..	0.	0.	0.	0.	0.	0.
89 TOTAL..	1.49603E-01	6.46171E-02	3.41234E-02	8.80142E-04	8.79333E-04	4.46542E-03
90 TOTAL..	0.	0.	0.	0.	0.	0.
91 TOTAL..	1.50745E-01	4.69098E-02	3.25531E-02	8.66820E-04	8.49102E-04	4.37922E-03
92 TOTAL..	1.06398E-01	8.28660E-04	1.92638E-02	4.71026E-04	5.63296E-04	2.39479E-03

93 TOTAL..	5.71442E-02	5.87087E-04	1.02393E-02	3.59705E-04	3.91368E-04	1.96982E-03
94 TOTAL..	2.59296E-05	3.70604E-05	6.80737E-06	0.	0.	0.
95 TOTAL..	0.	0.	0.	0.	0.	0.
96 TOTAL..	0.	0.	0.	0.	0.	0.
97 TOTAL..	0.	0.	0.	0.	0.	0.
98 TOTAL..	6.09633E-02	3.43393E-02	3.89589E-02	8.02734E-04	6.56842E-04	6.75066E-04
99 TOTAL..	6.09705E-02	3.43456E-02	3.89619E-02	8.02683E-04	6.56855E-04	6.75286E-04
100 TOTAL..	6.33584E-02	3.67805E-02	3.96966E-02	7.92111E-04	6.56632E-04	7.45183E-04
101 TOTAL..	7.41028E-02	4.08253E-02	4.70776E-02	7.59051E-04	6.07926E-04	1.14755E-03
102 TOTAL..	7.58762E-02	4.08292E-02	4.83841E-02	7.63131E-04	6.01646E-04	1.17415E-03
103 TOTAL..	1.23769E-01	4.08966E-02	7.55466E-02	8.96515E-04	5.31054E-04	1.54146E-03
104 TOTAL..	1.32660E-01	4.61574E-02	7.97089E-02	1.10862E-03	5.65310E-04	1.68109E-03
105 TOTAL..	1.29842E-01	5.81735E-02	7.83242E-02	1.17957E-03	5.91324E-04	1.71828E-03
106 TOTAL..	1.27242E-01	6.72230E-02	7.77682E-02	1.28760E-03	6.35332E-04	1.76249E-03
107 TOTAL..	1.12295E-01	1.06879E-01	7.77726E-02	1.30036E-03	7.08047E-04	1.94927E-03
108 TOTAL..	9.77983E-02	1.37485E-01	7.77610E-02	1.08586E-03	7.52746E-04	2.13387E-03
109 TOTAL..	0.	0.	0.	0.	0.	0.
110 TOTAL..	8.02812E-02	1.59938E-01	7.77500E-02	7.47083E-04	8.31188E-04	2.33303E-03
111 TOTAL..	2.92755E-02	1.72672E-01	7.77004E-02	4.06620E-04	1.27713E-03	2.77907E-03

112 TOTAL..	2.19839E-02	1.62405E-01	7.76619E-02	7.10218E-04	1.67992E-03	3.01882E-03
113 TOTAL..	0.	0.	0.	0.	0.	0.
114 TOTAL..	1.02021E-01	1.30141E-01	7.75980E-02	1.01452E-03	2.02304E-03	3.43430E-03
115 TOTAL..	1.17918E-01	1.23229E-01	7.75792E-02	1.02350E-03	1.98911E-03	3.51263E-03
116 TOTAL..	1.35051E-01	8.30104E-02	6.25630E-02	9.72595E-04	1.73909E-03	3.65691E-03
117 TOTAL..	1.35060E-01	6.10417E-02	5.35186E-02	9.37335E-04	1.66639E-03	3.67217E-03
118 TOTAL..	0.	0.	0.	0.	0.	0.
119 TOTAL..	1.35081E-01	8.61303E-03	3.50287E-02	8.52089E-04	1.48701E-03	3.64438E-03
120 TOTAL..	0.	0.	0.	0.	0.	0.
121 TOTAL..	1.35111E-01	7.01811E-02	2.54619E-02	7.41934E-04	1.32311E-03	3.50583E-03
122 TOTAL..	1.26268E-01	9.52477E-02	2.89439E-02	7.01107E-04	1.30967E-03	3.29097E-03
123 TOTAL..	1.15731E-01	8.70382E-02	2.89390E-02	6.83469E-04	1.38024E-03	3.13032E-03
124 TOTAL..	1.49493E-01	2.66547E-02	2.88484E-02	6.65539E-04	1.62861E-03	2.23968E-03
125 TOTAL..	1.87312E-01	1.48705E-02	2.88014E-02	6.16294E-04	1.62082E-03	2.11682E-03
126 TOTAL..	1.88269E-01	1.56091E-02	2.74102E-02	5.24637E-04	1.66810E-03	2.06052E-03
127 TOTAL..	1.84990E-01	1.56086E-02	2.70757E-02	5.14729E-04	1.68296E-03	2.05855E-03
128 TOTAL..	0.	0.	0.	0.	0.	0.
129 TOTAL..	1.53339E-01	1.56015E-02	2.95896E-02	4.42174E-04	2.01227E-03	2.03382E-03
130 TOTAL..	1.89367E-01	1.55790E-02	6.03506E-02	8.35156E-04	3.05671E-03	1.66541E-03

131 TOTAL..	2.02015E-01	1.55742E-02	7.04897E-02	9.36626E-04	3.24414E-03	1.53162E-03
132 TOTAL..	2.09947E-01	4.06545E-03	4.87492E-02	1.09404E-03	3.47740E-03	1.19935E-03
133 TOTAL..	2.09947E-01	2.15868E-03	3.86219E-02	1.12654E-03	3.50845E-03	1.17023E-03
134 TOTAL..	0.	0.	0.	0.	0.	0.
135 TOTAL..	2.09948E-01	1.38006E-02	1.26607E-02	1.25759E-03	3.62687E-03	1.05761E-03
136 TOTAL..	0.	0.	0.	0.	0.	0.
137 TOTAL..	2.09951E-01	5.49543E-02	1.98848E-01	1.81997E-03	3.95334E-03	5.92887E-04
138 TOTAL..	2.09927E-01	5.30796E-02	6.03252E-01	2.96522E-03	4.03095E-03	7.52929E-04
139 TOTAL..	2.09916E-01	3.92201E-02	6.83985E-01	3.19911E-03	4.01907E-03	1.05740E-03
140 TOTAL..	2.07143E-01	3.25162E-02	6.89548E-01	3.40980E-03	4.01682E-03	1.55694E-03
141 TOTAL..	2.04903E-01	3.25177E-02	6.35392E-01	3.52862E-03	4.07154E-03	1.77303E-03
142 TOTAL..	0.	0.	0.	0.	0.	0.
143 TOTAL..	2.36484E-01	3.25229E-02	4.38293E-01	3.76451E-03	4.40420E-03	2.16480E-03
144 TOTAL..	4.04242E-01	3.25266E-02	5.20856E-02	3.15525E-03	5.57343E-03	2.03648E-03
145 TOTAL..	4.28131E-01	3.25262E-02	2.23182E-02	3.02127E-03	5.77300E-03	1.99317E-03
146 TOTAL..	0.	0.	0.	0.	0.	0.
147 TOTAL..	4.60211E-01	3.25256E-02	6.85733E-02	2.84580E-03	6.05903E-03	1.97361E-03
148 TOTAL..	4.53584E-01	9.61761E-03	1.16996E-01	2.60429E-03	6.30742E-03	2.04557E-03
149 TOTAL..	4.44894E-01	2.16289E-03	1.32641E-01	2.55333E-03	6.32158E-03	2.06524E-03

150 TOTAL..	0.	0.	0.	0.	0.	0.
151 TOTAL..	3.79762E-01	7.72106E-02	2.83847E-01	2.21253E-03	6.10811E-03	2.15523E-03
152 TOTAL..	2.99353E-01	1.83188E-01	4.92929E-01	1.89682E-03	4.86006E-03	2.07907E-03
153 TOTAL..	2.91530E-01	2.04436E-01	5.40841E-01	1.63566E-03	3.76972E-03	2.22044E-03
154 TOTAL..	2.93241E-01	2.04438E-01	5.44740E-01	1.61337E-03	3.59608E-03	2.24128E-03
155 TOTAL..	3.12430E-01	2.04448E-01	5.77891E-01	1.18813E-03	2.18432E-03	2.34534E-03
156 TOTAL..	3.11176E-01	2.01890E-01	5.82295E-01	5.30620E-04	1.66487E-03	2.43881E-03
157 TOTAL..	3.09260E-01	2.00131E-01	5.81984E-01	4.79787E-04	1.64562E-03	2.41484E-03
158 TOTAL..	0.	0.	0.	0.	0.	0.
159 TOTAL..	3.06120E-01	1.93559E-01	5.82060E-01	4.43077E-04	1.64101E-03	2.33995E-03
160 TOTAL..	3.05628E-01	1.89778E-01	5.82604E-01	4.51382E-04	1.64380E-03	2.33218E-03
161 TOTAL..	3.05661E-01	1.82296E-01	5.83479E-01	4.67525E-04	1.64568E-03	2.32146E-03
162 TOTAL..	3.11565E-01	1.82296E-01	5.83602E-01	4.67525E-04	1.64568E-03	2.32146E-03
163 TOTAL..	3.07607E-01	1.70363E-01	5.85435E-01	5.03838E-04	1.64391E-03	2.30062E-03
164 TOTAL..	3.10004E-01	1.64210E-01	5.86777E-01	6.45297E-04	1.65758E-03	2.23596E-03
165 TOTAL..	3.11818E-01	1.60815E-01	5.87638E-01	6.74220E-04	1.66595E-03	2.22405E-03
166 TOTAL..	0.	0.	0.	0.	0.	0.
167 TOTAL..	3.38253E-01	1.25364E-01	5.98295E-01	9.19664E-04	1.78947E-03	2.10527E-03
168 TOTAL..	4.23483E-01	4.26061E-02	6.29838E-01	1.12102E-03	1.96479E-03	1.81736E-03

169 TOTAL..	4.73118E-01	1.80932E-03	6.48646E-01	1.05286E-03	1.95266E-03	1.64668E-03
170 TOTAL..	0.	0.	0.	0.	0.	0.
171 TOTAL..	4.77893E-01	2.65325E-03	6.50495E-01	1.04109E-03	1.94919E-03	1.62981E-03
172 TOTAL..	4.88583E-01	1.80243E-02	6.65024E-01	8.54457E-04	1.93352E-03	1.43574E-03
173 TOTAL..	4.81713E-01	1.80242E-02	6.69262E-01	8.29277E-04	1.93308E-03	1.39269E-03
174 TOTAL..	4.79265E-01	1.80241E-02	6.70828E-01	8.21604E-04	1.93507E-03	1.37677E-03
175 TOTAL..	4.81972E-01	1.42942E-02	6.56803E-01	8.01936E-04	1.95239E-03	1.16436E-03
176 TOTAL..	5.15579E-01	2.40776E-02	5.94468E-01	8.38913E-04	1.84941E-03	1.00255E-03
177 TOTAL..	0.	0.	0.	0.	0.	0.
178 TOTAL..	5.50621E-01	3.68118E-02	5.27114E-01	1.02012E-03	1.25429E-03	7.90900E-04
179 TOTAL..	5.50656E-01	3.68226E-02	5.27042E-01	1.02051E-03	1.25292E-03	7.90566E-04
180 TOTAL..	5.56209E-01	3.69522E-02	5.16880E-01	1.00487E-03	9.51813E-04	5.63812E-04
181 TOTAL..	5.58425E-01	3.69497E-02	5.12585E-01	1.00990E-03	9.24684E-04	5.44192E-04
182 TOTAL..	5.59210E-01	3.46787E-02	5.09154E-01	8.74954E-04	1.18164E-03	3.63368E-04
183 TOTAL..	5.56290E-01	3.33807E-02	5.13869E-01	8.49946E-04	1.28265E-03	3.38675E-04
184 TOTAL..	5.29024E-01	2.14134E-02	5.17811E-01	7.28484E-04	2.26717E-03	2.57377E-04
185 TOTAL..	5.23917E-01	1.95258E-02	5.14759E-01	7.18807E-04	2.33479E-03	2.48670E-04
186 TOTAL..	4.82298E-01	6.95131E-03	4.89989E-01	6.36600E-04	2.79486E-03	1.87242E-04
187 TOTAL..	4.58618E-01	1.46183E-03	4.71261E-01	5.80185E-04	3.02086E-03	1.58744E-04

188 TOTAL..	4.57062E-01	1.17720E-03	4.69667E-01	5.75826E-04	3.03593E-03	1.57023E-04
189 TOTAL..	3.68980E-01	1.15671E-02	3.79182E-01	3.68485E-04	3.63128E-03	1.26173E-04
190 TOTAL..	1.71331E-01	1.43047E-02	1.76101E-01	8.45716E-05	3.59271E-03	2.03834E-04
191 TOTAL..	2.35793E-02	2.90877E-03	2.42818E-02	6.17508E-05	1.68927E-03	1.32924E-04
192 TOTAL..	6.85219E-06	3.46808E-06	1.87551E-05	0.	0.	0.
193 TOTAL..	0.	0.	0.	0.	0.	0.
194 TOTAL..	0.	0.	0.	0.	0.	0.
195 TOTAL..	0.	0.	0.	0.	0.	0.



# RESPONSE SPECTRUM STRESS COMPONENTS (KIND = 2)

OR EACH ELEMENT, THE FOLLOWING INFORMATION IS PRINTED

1. FOR EACH EARTH QUAKE DIRECTION; THE NUMBER OF THE MODE WITH THE LARGEST STRESS.
  2. THE VALUE OF THAT STRESS.
  3. IF REQUESTED; THE MODE BY MODE STRESSES FOR EACH EARTH QUAKE DIRECTION.
  4. THE RESULTANT FOR EACH EARTH QUAKE DIRECTION.
  5. THE GRAND TOTAL OF THE THREE EARTH QUAKE DIRECTIONS.
- (NOTE THE X, Y, OR Z REFERS TO THE EARTH QUAKE DIRECTION.)

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)
X	32	3	32	9	32	12	32	3	32	9	32	12
X MAXIMUM	6.929E+02	4.801E+02	1.011E+03	2.672E+04	9.793E+04	2.726E+04	6.929E+02	4.801E+02	1.011E+03	2.672E+04	8.163E+04	2.419E+04
Y	12	27	9	9	9	12	12	27	9	9	9	12
Y MAXIMUM	5.041E+02	5.995E+02	1.299E+03	4.162E+04	1.175E+05	5.104E+04	5.041E+02	5.995E+02	1.299E+03	4.162E+04	9.653E+04	4.531E+04
Z	11	12	11	11	11	12	11	12	11	11	11	12
Z MAXIMUM	7.313E+02	4.602E+02	7.679E+02	1.888E+04	8.168E+04	6.600E+04	7.313E+02	4.602E+02	7.679E+02	1.888E+04	6.930E+04	5.858E+04
GRAND TOTAL	1.583E+03	1.460E+03	2.401E+03	6.253E+04	2.304E+05	1.421E+05	1.583E+03	1.460E+03	2.401E+03	6.253E+04	1.918E+05	1.220E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	3	32	9	32	12	32	3	32	9	32	9
X MAXIMUM	6.929E+02	4.800E+02	1.011E+03	2.670E+04	8.163E+04	2.419E+04	6.929E+02	4.800E+02	1.011E+03	2.670E+04	5.256E+04	1.877E+04
Y	12	27	9	9	9	12	12	27	9	9	9	12
Y MAXIMUM	5.040E+02	5.994E+02	1.299E+03	4.159E+04	9.654E+04	4.531E+04	5.040E+02	5.994E+02	1.299E+03	4.159E+04	5.919E+04	3.507E+04
Z	11	12	11	11	11	12	11	12	11	11	11	12
Z MAXIMUM	7.311E+02	4.604E+02	7.680E+02	1.887E+04	6.931E+04	5.858E+04	7.311E+02	4.604E+02	7.680E+02	1.887E+04	4.722E+04	4.534E+04
GRAND TOTAL	1.583E+03	1.460E+03	2.401E+03	6.249E+04	1.918E+05	1.220E+05	1.583E+03	1.460E+03	2.401E+03	6.249E+04	1.232E+05	9.038E+04

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)
X	32	3	32	9	32	9	32	3	32	9	32	9
X MAXIMUM	6.932E+02	4.803E+02	1.011E+03	2.674E+04	5.256E+04	1.876E+04	6.932E+02	4.803E+02	1.011E+03	2.674E+04	4.361E+04	1.924E+04
Y	12	27	9	9	9	12	12	27	9	9	9	12
Y MAXIMUM	5.044E+02	5.996E+02	1.299E+03	4.165E+04	5.915E+04	3.507E+04	5.044E+02	5.996E+02	1.299E+03	4.165E+04	4.764E+04	3.192E+04
Z	11	12	11	11	11	12	11	12	11	11	11	12
Z MAXIMUM	7.317E+02	4.598E+02	7.676E+02	1.889E+04	4.721E+04	4.534E+04	7.317E+02	4.598E+02	7.676E+02	1.889E+04	4.041E+04	4.127E+04
GRAND TOTAL	1.583E+03	1.459E+03	2.401E+03	6.258E+04	1.232E+05	9.037E+04	1.583E+03	1.459E+03	2.401E+03	6.258E+04	1.022E+05	8.252E+04

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	32	3	32	9	32	9	32	3	32	9	32	9
X MAXIMUM	6.921E+02	4.658E+02	1.007E+03	2.667E+04	4.340E+04	2.011E+04	7.072E+02	4.122E+02	1.007E+03	2.290E+04	4.097E+04	2.014E+04
Y	12	27	9	9	9	9	12	27	9	9	9	9
Y MAXIMUM	5.033E+02	6.018E+02	1.300E+03	4.153E+04	4.686E+04	3.132E+04	4.575E+02	5.749E+02	1.300E+03	3.565E+04	4.920E+04	3.137E+04
Z	11	27	11	11	11	12	11	12	11	11	11	12
Z MAXIMUM	7.302E+02	4.607E+02	7.771E+02	1.887E+04	4.137E+04	4.048E+04	6.883E+02	5.223E+02	7.771E+02	1.377E+04	4.194E+04	3.959E+04
GRAND TOTAL	1.582E+03	1.442E+03	2.412E+03	6.243E+04	1.024E+05	8.239E+04	1.568E+03	1.456E+03	2.412E+03	5.353E+04	1.030E+05	8.082E+04

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	3	32	9	32	9
X MAXIMUM	7.118E+02	3.524E+02	1.007E+03	1.896E+04	3.794E+04	2.013E+04
Y	12	27	9	9	9	9
Y MAXIMUM	4.048E+02	5.393E+02	1.300E+03	2.953E+04	5.080E+04	3.135E+04
Z	11	12	11	9	11	12
Z MAXIMUM	6.361E+02	5.906E+02	7.771E+02	1.020E+04	4.188E+04	3.856E+04
GRAND TOTAL	1.551E+03	1.474E+03	2.412E+03	4.587E+04	1.024E+05	7.910E+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)
X	3	3	32	9	32	9	3	3	32	9	32	9
X MAXIMUM	6.027E+02	3.667E+02	1.131E+03	1.468E+04	3.815E+04	2.272E+04	6.027E+02	3.667E+02	1.131E+03	1.468E+04	3.807E+04	2.272E+04
Y	9	27	9	9	9	9	9	27	9	9	9	9
Y MAXIMUM	5.732E+02	5.373E+02	1.209E+03	2.286E+04	5.159E+04	3.538E+04	5.732E+02	5.373E+02	1.209E+03	2.286E+04	5.150E+04	3.538E+04
Z	11	12	11	11	11	12	11	12	11	11	11	12
Z MAXIMUM	4.674E+02	6.042E+02	8.780E+02	1.522E+04	4.100E+04	3.849E+04	4.674E+02	6.042E+02	8.780E+02	1.522E+04	4.094E+04	3.845E+04
GRAND TOTAL	1.445E+03	1.497E+03	2.464E+03	4.098E+04	1.023E+05	8.178E+04	1.445E+03	1.497E+03	2.464E+03	4.098E+04	1.022E+05	8.171E+04

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	32	32	3	9	9	32	3	32	3	32	9	32
X MAXIMUM	7.062E+02	1.011E+03	3.667E+02	1.890E+04	1.935E+04	3.807E+04	6.655E+02	1.204E+03	3.667E+02	1.378E+04	2.514E+04	3.145E+04
Y	12	9	27	9	12	9	9	9	27	9	9	9
Y MAXIMUM	4.031E+02	1.299E+03	5.373E+02	2.943E+04	3.036E+04	5.150E+04	7.947E+02	1.077E+03	5.373E+02	1.563E+04	3.915E+04	4.441E+04
Z	11	11	12	9	12	11	11	11	12	11	12	11
Z MAXIMUM	6.324E+02	7.678E+02	6.042E+02	1.016E+04	3.926E+04	4.094E+04	2.901E+02	9.514E+02	6.042E+02	2.022E+04	3.274E+04	3.580E+04
GRAND TOTAL	1.548E+03	2.401E+03	1.497E+03	4.575E+04	7.913E+04	1.022E+05	1.445E+03	2.463E+03	1.497E+03	4.004E+04	7.692E+04	8.791E+04

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	32	3	32	9	9
X MAXIMUM	7.362E+02	1.214E+03	3.667E+02	1.345E+04	2.709E+04	2.513E+04
Y	9	9	27	12	9	9
Y MAXIMUM	1.147E+03	6.902E+02	5.373E+02	1.951E+04	4.219E+04	3.913E+04
Z	9	11	12	11	12	11
Z MAXIMUM	3.960E+02	9.900E+02	6.042E+02	2.736E+04	2.123E+04	3.000E+04
GRAND TOTAL	1.718E+03	2.282E+03	1.497E+03	4.794E+04	6.806E+04	7.467E+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)
X	9	3	32	32	9	9	9	3	32	32	9	9
X MAXIMUM	7.357E+02	3.667E+02	1.214E+03	1.345E+04	2.513E+04	2.709E+04	7.357E+02	3.667E+02	1.214E+03	1.345E+04	2.244E+04	2.712E+04
Y	9	27	9	12	9	9	9	27	9	12	9	9
Y MAXIMUM	1.146E+03	5.373E+02	6.914E+02	1.949E+04	3.913E+04	4.219E+04	1.146E+03	5.373E+02	6.914E+02	1.949E+04	3.495E+04	4.223E+04
Z	9	12	11	11	11	12	9	12	11	11	11	12
Z MAXIMUM	3.958E+02	6.042E+02	9.901E+02	2.735E+04	3.000E+04	2.125E+04	3.958E+02	6.042E+02	9.901E+02	2.735E+04	2.401E+04	1.760E+04
GRAND TOTAL	1.717E+03	1.497E+03	2.283E+03	4.791E+04	7.467E+04	6.809E+04	1.717E+03	1.497E+03	2.283E+03	4.791E+04	6.278E+04	6.538E+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)
X	9	3	32	32	9	9	9	3	32	32	9	9
X MAXIMUM	7.368E+02	3.667E+02	1.214E+03	1.345E+04	2.244E+04	2.712E+04	7.368E+02	3.667E+02	1.214E+03	1.345E+04	2.107E+04	2.713E+04
Y	9	27	9	12	9	9	9	27	9	12	9	9
Y MAXIMUM	1.147E+03	5.373E+02	6.888E+02	1.952E+04	3.495E+04	4.223E+04	1.147E+03	5.373E+02	6.888E+02	1.952E+04	3.281E+04	4.226E+04
Z	9	12	11	11	11	12	9	12	11	11	11	12
Z MAXIMUM	3.963E+02	6.042E+02	9.899E+02	2.737E+04	2.401E+04	1.754E+04	3.963E+02	6.042E+02	9.899E+02	2.737E+04	2.093E+04	1.566E+04
GRAND TOTAL	1.719E+03	1.497E+03	2.281E+03	4.796E+04	6.278E+04	6.534E+04	1.719E+03	1.497E+03	2.281E+03	4.796E+04	5.702E+04	6.441E+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)
X	9	3	32	32	9	9	9	3	32	32	9	9
X MAXIMUM	7.275E+02	3.681E+02	1.045E+03	1.345E+04	2.107E+04	2.713E+04	7.275E+02	3.681E+02	1.045E+03	1.345E+04	2.035E+04	2.717E+04
Y	9	27	9	12	9	9	9	27	9	12	9	9
Y MAXIMUM	1.133E+03	4.943E+02	6.500E+02	1.949E+04	3.281E+04	4.226E+04	1.133E+03	4.943E+02	6.500E+02	1.949E+04	3.170E+04	4.232E+04
Z	9	12	11	11	11	12	9	12	11	11	11	12
Z MAXIMUM	3.913E+02	5.713E+02	9.547E+02	2.735E+04	2.093E+04	1.571E+04	3.913E+02	5.713E+02	9.547E+02	2.735E+04	1.930E+04	1.474E+04
GRAND TOTAL	1.693E+03	1.415E+03	2.093E+03	4.792E+04	5.702E+04	6.444E+04	1.693E+03	1.415E+03	2.093E+03	4.792E+04	5.420E+04	6.416E+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)
X	9	3	32	32	9	9	9	3	32	32	9	9
X MAXIMUM	7.278E+02	3.681E+02	1.044E+03	1.345E+04	2.035E+04	2.717E+04	7.278E+02	3.681E+02	1.044E+03	1.345E+04	1.679E+04	2.742E+04
Y	9	27	9	12	9	9	9	27	9	12	9	9
Y MAXIMUM	1.133E+03	4.943E+02	6.491E+02	1.950E+04	3.170E+04	4.232E+04	1.133E+03	4.943E+02	6.491E+02	1.950E+04	2.443E+04	4.270E+04
Z	9	12	11	11	11	12	9	12	11	11	11	9
Z MAXIMUM	3.915E+02	5.713E+02	9.547E+02	2.736E+04	1.930E+04	1.472E+04	3.915E+02	5.713E+02	9.547E+02	2.736E+04	8.613E+03	1.475E+04
GRAND TOTAL	1.693E+03	1.415E+03	2.093E+03	4.793E+04	5.420E+04	6.415E+04	1.693E+03	1.415E+03	2.093E+03	4.793E+04	3.886E+04	6.456E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	32	32	0	32	32	9	32	32	0	9	9
X MAXIMUM	4.530E+01	2.223E+02	3.681E+02	0	1.878E+03	1.134E+03	4.530E+01	2.223E+02	3.681E+02	0	1.221E-04	8.634E-05
Y	27	9	32	0	32	9	27	9	32	0	9	12
Y MAXIMUM	9.617E+01	6.352E+01	1.032E+02	0	5.265E+02	3.239E+02	9.617E+01	6.352E+01	1.032E+02	0	1.221E-04	1.365E-04
Z	12	32	32	0	32	32	12	32	32	0	9	27
Z MAXIMUM	7.416E+01	1.356E+02	2.246E+02	0	1.146E+03	6.917E+02	7.416E+01	1.356E+02	2.246E+02	0	7.003E-05	6.115E-05
GRAND TOTAL	2.296E+02	2.955E+02	4.761E+02	0	2.428E+03	1.507E+03	2.296E+02	2.955E+02	4.761E+02	0	2.216E-04	2.743E-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)
X	9	3	9	12	3	9	9	3	9	12	3	3
X MAXIMUM	7.178E+02	3.763E+02	2.870E+02	1.062E+04	1.679E+04	2.747E+04	7.178E+02	3.763E+02	2.870E+02	1.062E+04	1.726E+04	3.224E+04
Y	9	12	12	12	9	9	9	12	12	12	9	9
Y MAXIMUM	1.118E+03	3.271E+02	4.748E+02	1.989E+04	2.443E+04	4.278E+04	1.118E+03	3.271E+02	4.748E+02	1.989E+04	1.727E+04	4.559E+04
Z	9	12	11	11	11	9	9	12	11	11	12	9
Z MAXIMUM	3.861E+02	4.230E+02	7.985E+02	2.815E+04	8.613E+03	1.478E+04	3.861E+02	4.230E+02	7.985E+02	2.815E+04	6.857E+03	1.575E+04
GRAND TOTAL	1.660E+03	1.092E+03	1.347E+03	4.747E+04	3.886E+04	6.455E+04	1.660E+03	1.092E+03	1.347E+03	4.747E+04	3.263E+04	7.276E+04

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)
X	9	3	9	12	3	3	9	3	9	12	3	3
X MAXIMUM	7.180E+02	3.763E+02	2.864E+02	1.062E+04	1.726E+04	3.224E+04	7.180E+02	3.763E+02	2.864E+02	1.062E+04	1.735E+04	3.338E+04
Y	9	12	12	12	9	9	9	12	12	12	9	9
Y MAXIMUM	1.118E+03	3.271E+02	4.748E+02	1.989E+04	1.727E+04	4.559E+04	1.118E+03	3.271E+02	4.748E+02	1.989E+04	1.593E+04	4.612E+04
Z	9	12	11	11	12	9	9	12	11	11	12	9
Z MAXIMUM	3.862E+02	4.230E+02	7.985E+02	2.815E+04	6.857E+03	1.575E+04	3.862E+02	4.230E+02	7.985E+02	2.815E+04	8.712E+03	1.593E+04
GRAND TOTAL	1.660E+03	1.092E+03	1.347E+03	4.747E+04	3.263E+04	7.276E+04	1.660E+03	1.092E+03	1.347E+03	4.747E+04	3.294E+04	7.467E+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)
X	9	3	9	12	3	3	9	3	9	12	3	3
X MAXIMUM	7.186E+02	3.722E+02	2.848E+02	1.062E+04	1.735E+04	3.337E+04	7.186E+02	3.722E+02	2.848E+02	1.062E+04	1.744E+04	3.447E+04
Y	9	12	12	12	9	9	9	12	12	12	9	9
Y MAXIMUM	1.119E+03	3.349E+02	4.749E+02	1.989E+04	1.593E+04	4.612E+04	1.119E+03	3.349E+02	4.749E+02	1.989E+04	1.461E+04	4.660E+04
Z	9	12	11	11	12	9	9	12	11	11	12	9
Z MAXIMUM	3.865E+02	4.330E+02	7.984E+02	2.813E+04	8.712E+03	1.593E+04	3.865E+02	4.330E+02	7.984E+02	2.813E+04	1.053E+04	1.610E+04
GRAND TOTAL	1.661E+03	1.102E+03	1.346E+03	4.747E+04	3.294E+04	7.467E+04	1.661E+03	1.102E+03	1.346E+03	4.747E+04	3.373E+04	7.660E+04

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	3	9	12	3	3	3	9	9	3	32	3
X MAXIMUM	7.176E+02	3.722E+02	2.874E+02	1.062E+04	1.744E+04	3.449E+04	7.674E+02	4.333E+02	2.874E+02	1.537E+04	1.204E+04	3.530E+04
Y	9	12	12	12	9	9	9	9	12	12	9	9
Y MAXIMUM	1.117E+03	3.349E+02	4.747E+02	1.990E+04	1.461E+04	4.660E+04	9.055E+02	6.748E+02	4.747E+02	2.191E+04	5.958E+03	4.342E+04
Z	9	12	11	11	12	9	9	12	11	11	32	9
Z MAXIMUM	3.860E+02	4.330E+02	7.985E+02	2.816E+04	1.053E+04	1.610E+04	3.128E+02	3.463E+02	7.985E+02	2.975E+04	7.347E+03	1.500E+04
GRAND TOTAL	1.660E+03	1.102E+03	1.348E+03	4.748E+04	3.373E+04	7.659E+04	1.678E+03	1.074E+03	1.348E+03	5.388E+04	2.265E+04	7.725E+04

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	9	3	32	3
X MAXIMUM	3.724E+02	7.175E+02	2.874E+02	1.788E+04	1.221E+04	2.938E+04
Y	12	9	12	12	12	9
Y MAXIMUM	3.349E+02	1.117E+03	4.747E+02	1.527E+04	1.277E+04	3.229E+04
Z	12	9	11	11	12	11
Z MAXIMUM	4.330E+02	3.860E+02	7.985E+02	2.093E+04	1.651E+04	1.206E+04
GRAND TOTAL	1.102E+03	1.660E+03	1.348E+03	4.348E+04	3.310E+04	6.469E+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)
X	3	3	9	3	3	3	3	3	9	3	3	3
X MAXIMUM	3.722E+02	5.413E+02	6.995E+02	1.788E+04	1.734E+04	2.400E+04	3.722E+02	5.413E+02	6.995E+02	1.788E+04	1.337E+04	1.938E+04
Y	12	9	9	12	9	9	12	9	9	12	8	9
Y MAXIMUM	3.349E+02	5.122E+02	1.089E+03	1.527E+04	1.749E+04	2.784E+04	3.349E+02	5.122E+02	1.089E+03	1.527E+04	1.276E+04	2.347E+04
Z	12	11	11	11	11	9	12	11	11	11	11	9
Z MAXIMUM	4.330E+02	5.195E+02	6.074E+02	2.092E+04	2.006E+04	9.616E+03	4.330E+02	5.195E+02	6.074E+02	2.092E+04	1.488E+04	8.106E+03
GRAND TOTAL	1.102E+03	1.271E+03	1.719E+03	4.347E+04	5.083E+04	5.194E+04	1.102E+03	1.271E+03	1.719E+03	4.347E+04	3.990E+04	4.433E+04

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)
X	3	3	9	3	3	3	3	3	9	3	9	3
X MAXIMUM	3.809E+02	5.419E+02	5.947E+02	1.788E+04	1.337E+04	1.938E+04	3.809E+02	5.419E+02	5.947E+02	1.788E+04	6.078E+03	9.048E+03
Y	8	9	9	12	8	9	8	9	9	12	9	9
Y MAXIMUM	3.279E+02	5.449E+02	9.262E+02	1.527E+04	1.276E+04	2.347E+04	3.279E+02	5.449E+02	9.262E+02	1.527E+04	9.465E+03	1.308E+04
Z	12	11	11	11	11	9	12	11	11	11	12	11
Z MAXIMUM	3.361E+02	4.078E+02	4.834E+02	2.092E+04	1.488E+04	8.106E+03	3.361E+02	4.078E+02	4.834E+02	2.092E+04	8.152E+03	9.993E+03
GRAND TOTAL	9.726E+02	1.164E+03	1.480E+03	4.347E+04	3.990E+04	4.433E+04	9.726E+02	1.164E+03	1.480E+03	4.347E+04	2.592E+04	3.034E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	9	3	9	3	3	3	9	3	9	32
X MAXIMUM	3.809E+02	5.419E+02	5.947E+02	1.788E+04	6.078E+03	9.048E+03	3.809E+02	5.419E+02	5.947E+02	1.788E+04	1.193E+04	6.118E+03
Y	8	9	9	12	9	9	8	9	9	12	9	8
Y MAXIMUM	3.279E+02	5.449E+02	9.262E+02	1.527E+04	9.465E+03	1.308E+04	3.279E+02	5.449E+02	9.262E+02	1.527E+04	1.858E+04	8.324E+03
Z	12	11	11	11	12	11	12	11	11	11	9	11
Z MAXIMUM	3.361E+02	4.078E+02	4.834E+02	2.092E+04	8.152E+03	9.993E+03	3.361E+02	4.078E+02	4.834E+02	2.092E+04	6.417E+03	1.401E+04
GRAND TOTAL	9.726E+02	1.164E+03	1.480E+03	4.347E+04	2.592E+04	3.034E+04	9.726E+02	1.164E+03	1.480E+03	4.347E+04	2.863E+04	2.769E+04

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)
X	9	3	3	3	8	3	9	3	3	3	9	12
X MAXIMUM	5.340E+02	6.867E+02	4.013E+02	2.111E+04	1.056E+04	1.200E+04	5.340E+02	6.867E+02	4.013E+02	2.111E+04	1.209E+04	7.567E+03
Y	9	9	9	12	8	9	9	9	9	12	9	12
Y MAXIMUM	8.316E+02	4.346E+02	5.242E+02	1.488E+04	1.663E+04	1.418E+04	8.316E+02	4.346E+02	5.242E+02	1.488E+04	1.883E+04	1.417E+04
Z	9	11	12	11	8	11	9	11	12	11	11	11
Z MAXIMUM	2.872E+02	2.816E+02	3.380E+02	2.369E+04	5.892E+03	1.812E+04	2.872E+02	2.816E+02	3.380E+02	2.369E+04	7.302E+03	2.124E+04
GRAND TOTAL	1.191E+03	1.119E+03	1.109E+03	4.543E+04	3.247E+04	4.268E+04	1.191E+03	1.119E+03	1.109E+03	4.543E+04	3.553E+04	3.887E+04

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)
X	9	3	3	3	9	12	9	3	3	3	9	3
X MAXIMUM	5.340E+02	6.867E+02	4.013E+02	2.111E+04	1.209E+04	7.567E+03	5.340E+02	6.867E+02	4.013E+02	2.111E+04	2.119E+04	1.415E+04
Y	9	9	9	12	9	12	9	9	9	12	9	12
Y MAXIMUM	8.316E+02	4.346E+02	5.242E+02	1.488E+04	1.883E+04	1.417E+04	8.316E+02	4.346E+02	5.242E+02	1.488E+04	3.300E+04	1.587E+04
Z	9	11	12	11	11	11	9	11	12	11	11	11
Z MAXIMUM	2.872E+02	2.816E+02	3.380E+02	2.369E+04	7.302E+03	2.124E+04	2.872E+02	2.816E+02	3.380E+02	2.369E+04	1.608E+04	2.885E+04
GRAND TOTAL	1.191E+03	1.119E+03	1.109E+03	4.543E+04	3.553E+04	3.887E+04	1.191E+03	1.119E+03	1.109E+03	4.543E+04	5.510E+04	4.515E+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)
X	9	3	3	3	9	3	9	3	3	3	9	3
X MAXIMUM	6.103E+02	6.624E+02	3.689E+02	2.111E+04	2.119E+04	1.415E+04	6.103E+02	6.624E+02	3.689E+02	2.111E+04	2.221E+04	1.895E+04
Y	9	9	9	12	9	12	9	9	9	12	9	12
Y MAXIMUM	9.505E+02	2.605E+02	2.190E+02	1.488E+04	3.300E+04	1.587E+04	9.505E+02	2.605E+02	2.190E+02	1.488E+04	3.459E+04	1.503E+04
Z	9	12	32	11	11	11	9	12	32	11	11	11
Z MAXIMUM	3.283E+02	1.497E+02	2.231E+02	2.369E+04	1.608E+04	2.885E+04	3.283E+02	1.497E+02	2.231E+02	2.369E+04	1.681E+04	2.944E+04
GRAND TOTAL	1.310E+03	9.143E+02	7.826E+02	4.543E+04	5.510E+04	4.515E+04	1.310E+03	9.143E+02	7.826E+02	4.543E+04	5.849E+04	4.725E+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)
X	9	3	3	3	9	3	9	3	3	3	9	3
X MAXIMUM	6.103E+02	6.624E+02	3.689E+02	2.111E+04	2.221E+04	1.895E+04	6.103E+02	6.624E+02	3.689E+02	2.111E+04	2.259E+04	2.073E+04
Y	9	9	9	12	9	12	9	9	9	12	9	12
Y MAXIMUM	9.505E+02	2.605E+02	2.190E+02	1.488E+04	3.459E+04	1.503E+04	9.505E+02	2.605E+02	2.190E+02	1.488E+04	3.517E+04	1.472E+04
Z	9	12	32	11	11	11	9	12	32	11	11	11
Z MAXIMUM	3.283E+02	1.497E+02	2.231E+02	2.369E+04	1.681E+04	2.944E+04	3.283E+02	1.497E+02	2.231E+02	2.369E+04	1.708E+04	2.966E+04
GRAND TOTAL	1.310E+03	9.143E+02	7.826E+02	4.543E+04	5.849E+04	4.725E+04	1.310E+03	9.143E+02	7.826E+02	4.543E+04	5.982E+04	4.823E+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(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	32	3	3	3	9	9	9	3	9	3	32
X MAXIMUM	6.103E+02	4.137E+02	7.292E+02	2.111E+04	2.959E+04	1.372E+04	4.182E+02	4.449E+02	7.292E+02	1.181E+04	4.359E+04	1.408E+04
Y	9	8	9	12	9	9	9	9	9	9	9	12
Y MAXIMUM	9.505E+02	1.524E+02	3.390E+02	1.488E+04	2.838E+04	2.137E+04	6.513E+02	6.929E+02	3.390E+02	1.839E+04	2.683E+04	1.785E+04
Z	9	32	12	11	9	11	9	9	12	12	11	11
Z MAXIMUM	3.283E+02	2.524E+02	2.360E+02	2.369E+04	9.801E+03	3.304E+04	2.250E+02	2.393E+02	2.360E+02	1.168E+04	2.290E+04	3.370E+04
GRAND TOTAL	1.310E+03	6.602E+02	1.006E+03	4.543E+04	5.228E+04	5.632E+04	9.370E+02	1.129E+03	1.006E+03	3.280E+04	6.945E+04	5.594E+04

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	9	3	3	3	32
X MAXIMUM	4.137E+02	6.103E+02	7.292E+02	4.053E+04	3.205E+04	1.684E+04
Y	8	9	9	9	12	12
Y MAXIMUM	1.524E+02	9.505E+02	3.390E+02	3.346E+04	1.214E+04	1.811E+04
Z	32	9	12	9	11	11
Z MAXIMUM	2.524E+02	3.283E+02	2.360E+02	1.156E+04	2.349E+04	3.255E+04
GRAND TOTAL	6.602E+02	1.310E+03	1.006E+03	6.440E+04	5.231E+04	5.343E+04

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)
X	32	9	3	3	3	32	32	9	3	3	3	32
X MAXIMUM	4.137E+02	6.103E+02	7.292E+02	4.053E+04	3.205E+04	1.684E+04	4.137E+02	6.103E+02	7.292E+02	4.053E+04	3.844E+04	1.761E+04
Y	8	9	9	9	12	12	8	9	9	9	9	12
Y MAXIMUM	1.524E+02	9.505E+02	3.390E+02	3.346E+04	1.214E+04	1.811E+04	1.524E+02	9.505E+02	3.390E+02	3.346E+04	1.253E+04	1.826E+04
Z	32	9	12	9	11	11	32	9	12	9	11	11
Z MAXIMUM	2.524E+02	3.283E+02	2.360E+02	1.156E+04	2.349E+04	3.255E+04	2.524E+02	3.283E+02	2.360E+02	1.156E+04	2.337E+04	3.113E+04
GRAND TOTAL	6.602E+02	1.310E+03	1.006E+03	6.440E+04	5.231E+04	5.343E+04	6.602E+02	1.310E+03	1.006E+03	6.440E+04	5.779E+04	5.296E+04

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)
X	32	32	3	3	3	32	32	32	3	3	3	32
X MAXIMUM	4.137E+02	2.769E+02	7.292E+02	4.053E+04	3.844E+04	1.761E+04	4.137E+02	2.769E+02	7.292E+02	4.053E+04	3.951E+04	1.802E+04
Y	8	12	9	9	9	12	8	12	9	9	9	12
Y MAXIMUM	1.524E+02	4.435E+02	3.390E+02	3.346E+04	1.253E+04	1.826E+04	1.524E+02	4.435E+02	3.390E+02	3.346E+04	1.303E+04	1.760E+04
Z	32	11	12	9	11	11	32	11	12	9	11	11
Z MAXIMUM	2.524E+02	6.291E+02	2.360E+02	1.156E+04	2.337E+04	3.113E+04	2.524E+02	6.291E+02	2.360E+02	1.156E+04	2.335E+04	3.020E+04
GRAND TOTAL	6.602E+02	1.287E+03	1.006E+03	6.440E+04	5.779E+04	5.296E+04	6.602E+02	1.287E+03	1.006E+03	6.440E+04	5.880E+04	5.183E+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)
X	32	32	3	3	3	32	32	32	3	3	3	32
X MAXIMUM	4.137E+02	2.769E+02	7.291E+02	4.052E+04	3.951E+04	1.801E+04	4.137E+02	2.769E+02	7.291E+02	4.052E+04	5.117E+04	2.244E+04
Y	8	12	9	9	9	12	8	12	9	9	9	12
Y MAXIMUM	1.524E+02	4.435E+02	3.390E+02	3.346E+04	1.303E+04	1.760E+04	1.524E+02	4.435E+02	3.390E+02	3.346E+04	1.846E+04	1.051E+04
Z	32	11	12	9	11	11	32	11	12	9	11	11
Z MAXIMUM	2.524E+02	6.291E+02	2.360E+02	1.156E+04	2.335E+04	3.021E+04	2.524E+02	6.291E+02	2.360E+02	1.156E+04	2.314E+04	2.014E+04
GRAND TOTAL	6.603E+02	1.287E+03	1.006E+03	6.439E+04	5.880E+04	5.183E+04	6.603E+02	1.287E+03	1.006E+03	6.439E+04	7.076E+04	4.321E+04

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)
X	32	9	9	0	9	9	32	9	9	0	3	9
X MAXIMUM	2.324E+02	1.378E+02	2.278E+02	0.	1.162E+03	7.026E+02	2.324E+02	1.378E+02	2.278E+02	0.	3.058E-05	5.460E-04
Y	27	12	9	0	9	12	27	12	9	0	8	9
Y MAXIMUM	1.435E+02	2.442E+02	3.547E+02	0.	1.809E+03	1.245E+03	1.435E+02	2.442E+02	3.547E+02	0.	3.076E-05	9.804E-04
Z	32	12	11	0	11	12	32	12	11	0	27	9
Z MAXIMUM	1.418E+02	3.158E+02	4.198E+02	0.	2.141E+03	1.610E+03	1.418E+02	3.158E+02	4.198E+02	0.	3.081E-05	2.527E-04
GRAND TOTAL	4.471E+02	6.680E+02	8.060E+02	0.	4.111E+03	3.407E+03	4.471E+02	6.680E+02	8.060E+02	0.	9.260E-05	1.184E-03

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)
X	12	9	3	3	3	32	12	9	3	3	3	32
X MAXIMUM	3.606E+02	2.488E+02	6.718E+02	4.024E+04	5.117E+04	2.091E+04	3.606E+02	2.488E+02	6.718E+02	4.024E+04	6.192E+04	1.791E+04
Y	12	9	9	9	9	9	12	9	9	9	13	9
Y MAXIMUM	6.753E+02	3.875E+02	4.659E+02	2.936E+04	1.846E+04	7.203E+03	6.753E+02	3.875E+02	4.659E+02	2.936E+04	1.700E+04	1.340E+04
Z	12	11	15	9	11	11	12	11	15	9	11	32
Z MAXIMUM	8.731E+02	4.269E+02	2.755E+02	1.014E+04	2.314E+04	1.525E+04	8.731E+02	4.269E+02	2.755E+02	1.014E+04	2.658E+04	1.092E+04
GRAND TOTAL	1.617E+03	8.863E+02	1.139E+03	6.075E+04	7.076E+04	3.743E+04	1.617E+03	8.863E+02	1.139E+03	6.075E+04	7.856E+04	3.434E+04

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)
X	12	32	3	3	3	32	12	32	3	3	3	32
X MAXIMUM	4.507E+02	3.269E+02	6.662E+02	4.023E+04	6.192E+04	1.790E+04	4.507E+02	3.269E+02	6.662E+02	4.023E+04	6.694E+04	1.544E+04
Y	12	9	9	9	13	9	12	9	9	9	13	9
Y MAXIMUM	8.441E+02	3.969E+02	6.302E+02	2.935E+04	1.700E+04	1.342E+04	8.441E+02	3.969E+02	6.302E+02	2.935E+04	1.941E+04	1.641E+04
Z	12	11	15	9	11	32	12	11	15	9	11	32
Z MAXIMUM	1.091E+03	3.715E+02	3.676E+02	1.014E+04	2.658E+04	1.092E+04	1.091E+03	3.715E+02	3.676E+02	1.014E+04	2.878E+04	9.419E+03
GRAND TOTAL	2.000E+03	8.969E+02	1.338E+03	6.074E+04	7.856E+04	3.436E+04	2.000E+03	8.969E+02	1.338E+03	6.074E+04	8.345E+04	3.415E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	12	3	32	3	32	3	12	3	32	3	32	3
X MAXIMUM	4.507E+02	6.662E+02	3.269E+02	4.023E+04	1.544E+04	6.694E+04	3.830E+02	7.001E+02	3.269E+02	4.286E+04	1.525E+04	7.101E+04
Y	12	9	9	9	9	13	12	9	9	9	9	13
Y MAXIMUM	8.441E+02	6.302E+02	3.969E+02	2.935E+04	1.641E+04	1.941E+04	7.172E+02	4.794E+02	3.969E+02	3.385E+04	6.207E+03	2.156E+04
Z	12	15	11	9	32	11	11	12	11	9	32	11
Z MAXIMUM	1.091E+03	3.676E+02	3.715E+02	1.014E+04	9.419E+03	2.878E+04	1.091E+03	6.133E+02	3.715E+02	1.169E+04	9.302E+03	2.925E+04
GRAND TOTAL	2.000E+03	1.338E+03	8.969E+02	6.074E+04	3.415E+04	8.345E+04	1.889E+03	1.490E+03	8.969E+02	6.613E+04	2.193E+04	8.748E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	3	32	3	3	3
X MAXIMUM	4.081E+02	6.274E+02	3.269E+02	3.913E+04	1.731E+04	7.497E+04
Y	9	12	9	9	9	13
Y MAXIMUM	6.355E+02	7.126E+02	3.969E+02	3.410E+04	4.938E+03	2.401E+04
Z	11	12	11	9	32	11
Z MAXIMUM	9.558E+02	9.214E+02	3.715E+02	1.178E+04	7.770E+03	2.723E+04
GRAND TOTAL	1.656E+03	1.745E+03	8.969E+02	6.339E+04	2.804E+04	9.107E+04

ELEMENT TYPE (3/D 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)
X	9	32	3	3	3	3	9	32	3	3	3	3
X MAXIMUM	4.081E+02	3.269E+02	6.273E+02	3.912E+04	7.497E+04	1.732E+04	4.081E+02	3.269E+02	6.273E+02	3.912E+04	8.274E+04	1.640E+04
Y	9	9	12	9	13	9	9	9	12	9	13	14
Y MAXIMUM	6.356E+02	3.969E+02	7.127E+02	3.410E+04	2.401E+04	4.946E+03	6.356E+02	3.969E+02	7.127E+02	3.410E+04	2.921E+04	5.348E+03
Z	11	11	12	9	11	32	11	11	12	9	11	11
Z MAXIMUM	9.557E+02	3.715E+02	9.215E+02	1.178E+04	2.723E+04	7.769E+03	9.557E+02	3.715E+02	9.215E+02	1.178E+04	2.051E+04	1.153E+04
GRAND TOTAL	1.656E+03	8.969E+02	1.745E+03	6.338E+04	9.107E+04	2.805E+04	1.656E+03	8.969E+02	1.745E+03	6.338E+04	1.002E+05	2.749E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 32)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	32	3	3	3	3	9	32	3	3	3	3
X MAXIMUM	4.081E+02	3.269E+02	6.167E+02	3.912E+04	8.274E+04	1.640E+04	4.081E+02	3.269E+02	6.167E+02	3.912E+04	6.708E+04	1.451E+04
Y	9	9	16	9	13	14	9	9	16	9	13	12
Y MAXIMUM	6.356E+02	3.969E+02	3.705E+02	3.410E+04	2.921E+04	5.348E+03	6.356E+02	3.969E+02	3.705E+02	3.410E+04	2.184E+04	1.131E+04
Z	11	11	15	9	11	11	11	11	15	9	11	11
Z MAXIMUM	9.557E+02	3.715E+02	2.760E+02	1.178E+04	2.051E+04	1.153E+04	9.557E+02	3.715E+02	2.760E+02	1.178E+04	2.489E+04	2.097E+04
GRAND TOTAL	1.656E+03	8.969E+02	1.059E+03	6.338E+04	1.002E+05	2.749E+04	1.656E+03	8.969E+02	1.059E+03	6.338E+04	8.057E+04	3.827E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	32	3	3	3	3	9	32	3	3	3	9
X MAXIMUM	5.007E+02	4.249E+02	5.659E+02	3.912E+04	6.708E+04	1.451E+04	5.007E+02	4.249E+02	5.659E+02	3.912E+04	5.258E+04	1.277E+04
Y	9	9	16	9	13	12	9	9	16	9	13	9
Y MAXIMUM	7.798E+02	3.843E+02	2.353E+02	3.410E+04	2.184E+04	1.131E+04	7.798E+02	3.843E+02	2.353E+02	3.410E+04	1.826E+04	1.989E+04
Z	11	11	11	9	11	11	11	11	11	9	11	11
Z MAXIMUM	1.227E+03	3.176E+02	1.554E+02	1.178E+04	2.489E+04	2.097E+04	1.227E+03	3.176E+02	1.554E+02	1.178E+04	2.887E+04	2.910E+04
GRAND TOTAL	2.106E+03	9.098E+02	7.888E+02	6.338E+04	8.057E+04	3.827E+04	2.106E+03	9.098E+02	7.888E+02	6.338E+04	6.779E+04	5.548E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 34)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	32	32	3	3	3	9	9	3	3	3	9	32
X MAXIMUM	5.007E+02	4.249E+02	5.659E+02	3.912E+04	5.258E+04	1.277E+04	5.285E+02	2.767E+02	5.659E+02	6.236E+04	1.632E+04	1.423E+04
Y	9	9	16	9	13	9	9	12	16	9	9	9
Y MAXIMUM	7.798E+02	3.843E+02	2.353E+02	3.410E+04	1.826E+04	1.989E+04	8.231E+02	3.147E+02	2.353E+02	2.264E+04	2.541E+04	2.054E+04
Z	11	11	11	9	11	11	11	11	11	11	11	11
Z MAXIMUM	1.227E+03	3.176E+02	1.554E+02	1.178E+04	2.887E+04	2.910E+04	1.092E+03	6.427E+02	1.554E+02	2.768E+04	1.547E+04	2.708E+04
GRAND TOTAL	2.106E+03	9.098E+02	7.888E+02	6.338E+04	6.779E+04	5.548E+04	2.034E+03	1.060E+03	7.888E+02	8.087E+04	4.182E+04	5.485E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 34)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	9	3	3	3	32
X MAXIMUM	4.249E+02	5.007E+02	5.659E+02	4.410E+04	4.761E+04	1.422E+04
Y	9	9	16	13	9	9
Y MAXIMUM	3.843E+02	7.798E+02	2.353E+02	1.617E+04	3.368E+04	1.396E+04
Z	11	11	11	9	11	11
Z MAXIMUM	3.176E+02	1.227E+03	1.554E+02	3.120E+04	1.163E+04	1.547E+04
GRAND TOTAL	9.098E+02	2.106E+03	7.888E+02	6.217E+04	6.983E+04	3.781E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 35)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	3	9	3	32	3	32	3	9	3	32	3
X MAXIMUM	4.249E+02	5.659E+02	5.007E+02	4.410E+04	1.422E+04	4.761E+04	4.249E+02	5.659E+02	5.007E+02	4.410E+04	1.394E+04	4.852E+04
Y	9	16	9	13	9	9	9	16	9	13	9	9
Y MAXIMUM	3.843E+02	2.353E+02	7.798E+02	1.617E+04	1.396E+04	3.368E+04	3.843E+02	2.353E+02	7.798E+02	1.617E+04	1.271E+04	3.363E+04
Z	11	11	11	11	11	9	11	11	11	11	11	9
Z MAXIMUM	3.176E+02	1.554E+02	1.227E+03	3.120E+04	1.547E+04	1.163E+04	3.176E+02	1.554E+02	1.227E+03	3.120E+04	1.350E+04	1.162E+04
GRAND TOTAL	9.098E+02	7.888E+02	2.106E+03	6.217E+04	3.781E+04	6.983E+04	9.098E+02	7.888E+02	2.106E+03	6.217E+04	3.487E+04	7.060E+04

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)
X	32	3	9	3	32	3	32	3	9	3	9	3
X MAXIMUM	4.489E+02	4.669E+02	5.862E+02	4.410E+04	1.394E+04	4.852E+04	4.489E+02	4.669E+02	5.862E+02	4.410E+04	6.724E+03	6.038E+04
Y	9	9	9	13	9	9	9	9	9	13	12	9
Y MAXIMUM	3.799E+02	1.884E+02	9.128E+02	1.617E+04	1.271E+04	3.363E+04	3.799E+02	1.884E+02	9.128E+02	1.617E+04	1.145E+04	2.885E+04
Z	11	11	11	11	11	9	11	11	11	11	11	3
Z MAXIMUM	3.070E+02	2.312E+02	1.467E+03	3.120E+04	1.350E+04	1.162E+04	3.070E+02	2.312E+02	1.467E+03	3.120E+04	2.376E+04	1.014E+04
GRAND TOTAL	9.172E+02	6.145E+02	2.520E+03	6.217E+04	3.487E+04	7.060E+04	9.172E+02	6.145E+02	2.520E+03	6.217E+04	3.806E+04	7.566E+04

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)
X	32	3	3	3	9	3	32	3	3	3	3	3
X MAXIMUM	4.489E+02	4.620E+02	3.763E+02	4.410E+04	6.724E+03	6.038E+04	4.489E+02	4.620E+02	3.763E+02	4.410E+04	1.442E+04	7.592E+04
Y	9	9	14	13	12	9	9	9	14	13	14	9
Y MAXIMUM	3.799E+02	2.702E+02	3.150E+02	1.617E+04	1.145E+04	2.885E+04	3.799E+02	2.702E+02	3.150E+02	1.617E+04	1.224E+04	1.976E+04
Z	11	11	12	11	11	3	11	11	12	11	11	3
Z MAXIMUM	3.070E+02	9.536E+01	3.239E+02	3.120E+04	2.376E+04	1.014E+04	3.070E+02	9.536E+01	3.239E+02	3.120E+04	1.370E+04	1.275E+04
GRAND TOTAL	9.172E+02	6.232E+02	8.630E+02	6.217E+04	3.806E+04	7.566E+04	9.172E+02	6.232E+02	8.630E+02	6.217E+04	2.986E+04	8.472E+04

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)
X	32	3	3	3	3	3	32	3	3	3	3	3
X MAXIMUM	4.796E+02	3.848E+02	3.578E+02	4.410E+04	1.442E+04	7.592E+04	4.796E+02	3.848E+02	3.578E+02	4.410E+04	3.849E+04	1.018E+05
Y	9	9	14	13	14	9	9	9	14	13	14	3
Y MAXIMUM	3.739E+02	3.979E+02	2.645E+02	1.617E+04	1.224E+04	1.976E+04	3.739E+02	3.979E+02	2.645E+02	1.617E+04	3.004E+04	1.255E+04
Z	11	13	12	11	11	3	11	13	12	11	14	3
Z MAXIMUM	2.929E+02	1.400E+02	1.735E+02	3.120E+04	1.370E+04	1.275E+04	2.929E+02	1.400E+02	1.735E+02	3.120E+04	1.288E+04	1.710E+04
GRAND TOTAL	9.331E+02	7.730E+02	6.387E+02	6.217E+04	2.986E+04	8.472E+04	9.331E+02	7.730E+02	6.387E+02	6.217E+04	6.117E+04	1.058E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 39)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	3	3	3	3	3	32	3	3	3	3	3
X MAXIMUM	5.088E+02	4.128E+02	3.307E+02	4.410E+04	3.849E+04	1.018E+05	5.088E+02	4.128E+02	3.307E+02	4.410E+04	3.984E+04	1.035E+05
Y	9	9	14	13	14	3	9	9	14	13	14	3
Y MAXIMUM	3.677E+02	3.765E+02	1.864E+02	1.617E+04	3.004E+04	1.255E+04	3.677E+02	3.765E+02	1.864E+02	1.617E+04	3.080E+04	1.275E+04
Z	32	9	12	11	14	3	32	9	12	11	14	3
Z MAXIMUM	3.104E+02	1.301E+02	1.276E+02	3.120E+04	1.288E+04	1.710E+04	3.104E+02	1.301E+02	1.276E+02	3.120E+04	1.321E+04	1.739E+04
GRAND TOTAL	9.551E+02	7.904E+02	5.521E+02	6.217E+04	6.117E+04	1.058E+05	9.551E+02	7.904E+02	5.521E+02	6.217E+04	6.297E+04	1.078E+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(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	32	3	3	3	3	3	32	32	3	3	3	3
X MAXIMUM	5.088E+02	3.307E+02	4.128E+02	4.410E+04	1.035E+05	3.984E+04	4.091E+02	3.104E+02	4.128E+02	1.062E+05	4.638E+04	4.363E+04
Y	9	14	9	13	3	14	9	9	9	3	13	14
Y MAXIMUM	3.677E+02	1.864E+02	3.765E+02	1.617E+04	1.275E+04	3.080E+04	2.708E+02	2.493E+02	3.765E+02	1.309E+04	1.757E+04	3.223E+04
Z	32	12	9	11	3	14	32	11	9	11	11	14
Z MAXIMUM	3.104E+02	1.276E+02	1.301E+02	3.120E+04	1.739E+04	1.321E+04	2.496E+02	2.512E+02	1.301E+02	1.826E+04	2.515E+04	1.382E+04
GRAND TOTAL	9.551E+02	5.521E+02	7.904E+02	6.217E+04	1.078E+05	6.297E+04	8.076E+02	7.516E+02	7.904E+02	1.129E+05	6.113E+04	6.697E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 40)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	32	3	3	3	3
X MAXIMUM	3.307E+02	5.088E+02	4.128E+02	1.097E+05	3.790E+04	4.575E+04
Y	14	9	9	9	13	14
Y MAXIMUM	1.864E+02	3.677E+02	3.765E+02	1.420E+04	1.795E+04	3.173E+04
Z	12	32	9	3	11	14
Z MAXIMUM	1.276E+02	3.104E+02	1.301E+02	1.843E+04	2.949E+04	1.361E+04
GRAND TOTAL	5.521E+02	9.551E+02	7.904E+02	1.157E+05	5.659E+04	6.810E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 41)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	32	3	3	3	3	3	32	3	3	3	3
X MAXIMUM	3.307E+02	5.088E+02	4.128E+02	1.097E+05	3.790E+04	4.575E+04	3.307E+02	5.088E+02	4.128E+02	1.097E+05	3.667E+04	4.595E+04
Y	14	9	9	9	13	14	14	9	9	9	13	14
Y MAXIMUM	1.864E+02	3.677E+02	3.765E+02	1.420E+04	1.795E+04	3.173E+04	1.864E+02	3.677E+02	3.765E+02	1.420E+04	1.831E+04	3.136E+04
Z	12	32	9	3	11	14	12	32	9	3	11	12
Z MAXIMUM	1.276E+02	3.104E+02	1.301E+02	1.843E+04	2.949E+04	1.361E+04	1.276E+02	3.104E+02	1.301E+02	1.843E+04	2.914E+04	1.347E+04
GRAND TOTAL	5.521E+02	9.551E+02	7.904E+02	1.157E+05	5.659E+04	6.810E+04	5.521E+02	9.551E+02	7.904E+02	1.157E+05	5.571E+04	6.811E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 42)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	14	3	3	3	3	3	14	3	3	3	3
X MAXIMUM	3.307E+02	3.934E+02	4.128E+02	1.097E+05	3.667E+04	4.595E+04	3.307E+02	3.934E+02	4.128E+02	1.097E+05	3.518E+04	4.510E+04
Y	14	14	9	9	13	14	14	14	9	9	13	14
Y MAXIMUM	1.864E+02	9.897E+02	3.765E+02	1.420E+04	1.831E+04	3.136E+04	1.864E+02	9.897E+02	3.765E+02	1.420E+04	1.874E+04	2.780E+04
Z	12	11	9	3	11	12	12	11	9	3	11	14
Z MAXIMUM	1.276E+02	7.247E+02	1.301E+02	1.843E+04	2.914E+04	1.347E+04	1.276E+02	7.247E+02	1.301E+02	1.843E+04	2.873E+04	1.192E+04
GRAND TOTAL	5.521E+02	1.687E+03	7.904E+02	1.157E+05	5.571E+04	6.811E+04	5.521E+02	1.687E+03	7.904E+02	1.157E+05	5.477E+04	6.420E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 43)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	14	3	3	3	3	3	14	3	3	3	3
X MAXIMUM	3.307E+02	3.882E+02	9.447E+02	1.097E+05	3.518E+04	4.510E+04	3.307E+02	3.882E+02	9.447E+02	1.097E+05	7.137E+04	3.208E+04
Y	14	14	13	9	13	14	14	14	13	9	13	14
Y MAXIMUM	1.864E+02	9.768E+02	8.030E+02	1.420E+04	1.874E+04	2.780E+04	1.864E+02	9.768E+02	8.030E+02	1.420E+04	1.202E+04	9.618E+03
Z	12	11	11	3	11	14	12	11	11	3	3	11
Z MAXIMUM	1.276E+02	7.929E+02	1.002E+03	1.843E+04	2.873E+04	1.192E+04	1.276E+02	7.929E+02	1.002E+03	1.843E+04	1.199E+04	3.158E+04
GRAND TOTAL	5.521E+02	1.731E+03	1.843E+03	1.157E+05	5.477E+04	6.420E+04	5.521E+02	1.731E+03	1.843E+03	1.157E+05	7.660E+04	5.527E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 44)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	14	3	3	3	3	3	14	3	3	3	3
X MAXIMUM	3.022E+02	3.186E+02	1.090E+03	1.097E+05	7.137E+04	3.208E+04	3.022E+02	3.186E+02	1.090E+03	1.097E+05	8.195E+04	2.904E+04
Y	23	14	13	9	13	14	23	14	13	9	13	14
Y MAXIMUM	3.161E+02	8.015E+02	4.119E+02	1.420E+04	1.202E+04	9.618E+03	3.161E+02	8.015E+02	4.119E+02	1.420E+04	1.602E+04	1.740E+04
Z	27	11	11	3	3	11	27	11	11	3	11	11
Z MAXIMUM	1.352E+02	7.167E+02	5.044E+02	1.843E+04	1.199E+04	3.158E+04	1.352E+02	7.167E+02	5.044E+02	1.843E+04	1.454E+04	3.854E+04
GRAND TOTAL	7.467E+02	1.439E+03	1.387E+03	1.157E+05	7.660E+04	5.527E+04	7.467E+02	1.439E+03	1.387E+03	1.157E+05	8.916E+04	6.294E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 45)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	14	3	3	3	3	3	14	3	3	3	3
X MAXIMUM	3.022E+02	3.186E+02	1.090E+03	1.097E+05	8.195E+04	2.904E+04	4.352E+02	1.909E+02	1.090E+03	1.403E+05	8.043E+03	2.704E+04
Y	23	14	13	9	13	14	14	14	13	13	13	14
Y MAXIMUM	3.161E+02	8.015E+02	4.119E+02	1.420E+04	1.602E+04	1.740E+04	6.532E+02	4.803E+02	4.119E+02	1.927E+04	9.563E+03	2.536E+04
Z	27	11	11	3	11	11	11	11	11	3	11	11
Z MAXIMUM	1.352E+02	7.167E+02	5.044E+02	1.843E+04	1.454E+04	3.854E+04	5.421E+02	4.715E+02	5.044E+02	2.357E+04	1.254E+04	4.592E+04
GRAND TOTAL	7.467E+02	1.439E+03	1.387E+03	1.157E+05	8.916E+04	6.294E+04	1.349E+03	8.990E+02	1.387E+03	1.493E+05	2.308E+04	7.297E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 45)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	14	3	3	3	3	3
X MAXIMUM	3.186E+02	3.022E+02	1.090E+03	9.831E+04	9.333E+04	2.887E+04
Y	14	23	13	13	3	14
Y MAXIMUM	8.015E+02	3.161E+02	4.119E+02	2.220E+04	1.150E+04	2.759E+04
Z	11	27	11	11	3	11
Z MAXIMUM	7.167E+02	1.352E+02	5.044E+02	2.210E+04	1.58E+04	4.854E+04
GRAND TOTAL	1.439E+03	7.467E+02	1.387E+03	1.090E+05	9.800E+04	7.681E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 46)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	14	3	3	3	3	3	14	3	3	3	3	3
X MAXIMUM	3.186E+02	1.090E+03	3.022E+02	9.831E+04	2.887E+04	9.333E+04	3.186E+02	1.090E+03	3.022E+02	9.831E+04	3.057E+04	8.718E+04
Y	14	13	23	13	14	3	14	13	23	13	14	3
Y MAXIMUM	8.015E+02	4.119E+02	3.161E+02	2.220E+04	2.759E+04	1.150E+04	8.015E+02	4.119E+02	3.161E+02	2.220E+04	2.690E+04	1.074E+04
Z	11	11	27	11	11	3	11	11	27	11	11	3
Z MAXIMUM	7.167E+02	5.044E+02	1.352E+02	2.210E+04	4.854E+04	1.568E+04	7.167E+02	5.044E+02	1.352E+02	2.210E+04	4.826E+04	1.464E+04
GRAND TOTAL	1.439E+03	1.387E+03	7.467E+02	1.090E+05	7.681E+04	9.800E+04	1.439E+03	1.387E+03	7.467E+02	1.090E+05	7.666E+04	9.169E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 47)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	14	3	7	3	3	3	14	3	7	3	3	3
X MAXIMUM	3.186E+02	1.083E+03	2.715E+02	9.831E+04	3.057E+04	8.718E+04	3.186E+02	1.083E+03	2.715E+02	9.831E+04	3.935E+04	4.008E+04
Y	14	13	7	13	14	3	14	13	7	13	14	13
Y MAXIMUM	8.015E+02	3.936E+02	1.918E+02	2.220E+04	2.690E+04	1.074E+04	8.015E+02	3.936E+02	1.918E+02	2.220E+04	2.072E+04	1.694E+04
Z	11	11	11	11	11	3	11	11	11	11	12	11
Z MAXIMUM	7.167E+02	5.510E+02	6.990E+02	2.210E+04	4.826E+04	1.464E+04	7.167E+02	5.510E+02	6.990E+02	2.210E+04	1.912E+04	2.999E+04
GRAND TOTAL	1.439E+03	1.388E+03	9.249E+02	1.090E+05	7.666E+04	9.169E+04	1.439E+03	1.388E+03	9.249E+02	1.090E+05	6.074E+04	5.860E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 48)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	2.607E+02	1.002E+03	2.500E+02	9.831E+04	3.935E+04	4.008E+04	2.607E+02	1.002E+03	2.500E+02	9.831E+04	6.109E+04	4.708E+04
Y	14	19	14	13	14	13	14	19	14	13	12	16
Y MAXIMUM	5.107E+02	1.398E+02	1.699E+02	2.220E+04	2.072E+04	1.694E+04	5.107E+02	1.398E+02	1.699E+02	2.220E+04	1.247E+04	1.197E+04
Z	11	11	11	11	12	11	11	11	11	11	11	11
Z MAXIMUM	6.231E+02	2.211E+02	4.972E+02	2.210E+04	1.912E+04	2.999E+04	6.231E+02	2.211E+02	4.972E+02	2.210E+04	2.537E+04	1.076E+04
GRAND TOTAL	1.005E+03	1.088E+03	6.816E+02	1.090E+05	6.074E+04	5.860E+04	1.005E+03	1.088E+03	6.816E+02	1.090E+05	7.544E+04	5.251E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 49)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	2.081E+02	3.897E+02	4.559E+02	9.831E+04	6.109E+04	4.708E+04	2.081E+02	3.897E+02	4.559E+02	9.831E+04	6.881E+04	5.367E+04
Y	14	13	14	13	12	16	14	13	14	13	12	16
Y MAXIMUM	2.191E+02	3.090E+02	1.449E+02	2.220E+04	1.247E+04	1.197E+04	2.191E+02	3.090E+02	1.449E+02	2.220E+04	1.092E+04	1.012E+04
Z	11	11	12	11	11	11	11	11	12	11	11	3
Z MAXIMUM	5.288E+02	6.662E+02	1.179E+02	2.210E+04	2.537E+04	1.076E+04	5.288E+02	6.662E+02	1.179E+02	2.210E+04	2.432E+04	9.017E+03
GRAND TOTAL	6.856E+02	9.855E+02	5.734E+02	1.090E+05	7.544E+04	5.251E+04	6.856E+02	9.855E+02	5.734E+02	1.090E+05	8.025E+04	5.685E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	3	3	3	3	3	3	11	3	3	7	3
X MAXIMUM	2.081E+02	1.852E+02	5.704E+02	9.831E+04	8.413E+04	2.320E+04	2.781E+02	2.080E+02	5.704E+02	1.315E+05	1.191E+04	2.425E+04
Y	14	13	14	13	12	16	14	13	14	3	13	16
Y MAXIMUM	2.191E+02	3.062E+02	2.033E+02	2.220E+04	1.069E+04	8.094E+03	2.341E+02	2.770E+02	2.033E+02	1.621E+04	2.174E+04	7.086E+03
Z	11	11	11	11	11	11	13	11	11	11	13	11
Z MAXIMUM	5.288E+02	5.916E+02	3.126E+02	2.210E+04	2.227E+04	9.794E+03	1.010E+02	7.922E+02	3.126E+02	3.000E+04	1.407E+04	1.839E+04
GRAND TOTAL	6.856E+02	8.215E+02	7.907E+02	1.090E+05	9.354E+04	3.034E+04	5.421E+02	9.225E+02	7.907E+02	1.398E+05	3.963E+04	3.484E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3
X MAXIMUM	1.852E+02	2.081E+02	5.704E+02	9.268E+04	8.975E+04	2.285E+04
Y	13	14	14	3	13	16
Y MAXIMUM	3.062E+02	2.191E+02	2.033E+02	1.142E+04	2.322E+04	6.446E+03
Z	11	11	11	11	11	11
Z MAXIMUM	5.916E+02	5.288E+02	3.126E+02	1.758E+04	2.679E+04	2.660E+04
GRAND TOTAL	8.215E+02	6.856E+02	7.907E+02	1.002E+05	1.030E+05	3.937E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 51)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	1.849E+02	2.081E+02	5.705E+02	9.269E+04	8.975E+04	2.281E+04	1.849E+02	2.081E+02	5.705E+02	9.269E+04	8.804E+04	2.219E+04
Y	13	14	14	3	13	16	13	14	14	3	13	16
Y MAXIMUM	3.062E+02	2.191E+02	2.034E+02	1.142E+04	2.322E+04	6.444E+03	3.062E+02	2.191E+02	2.034E+02	1.142E+04	2.343E+04	6.368E+03
Z	11	11	11	11	11	11	11	11	11	11	11	11
Z MAXIMUM	5.914E+02	5.288E+02	3.128E+02	1.757E+04	2.679E+04	2.661E+04	5.914E+02	5.288E+02	3.128E+02	1.757E+04	2.773E+04	2.820E+04
GRAND TOTAL	8.213E+02	6.856E+02	7.909E+02	1.002E+05	1.030E+05	3.935E+04	8.213E+02	6.856E+02	7.909E+02	1.002E+05	1.020E+05	4.021E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 52)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	1.852E+02	1.890E+02	5.704E+02	9.268E+04	8.804E+04	2.222E+04	1.852E+02	1.890E+02	5.704E+02	9.268E+04	8.363E+04	2.076E+04
Y	13	14	14	3	13	16	13	14	14	3	13	16
Y MAXIMUM	3.062E+02	2.312E+02	2.033E+02	1.142E+04	2.343E+04	6.370E+03	3.062E+02	2.312E+02	2.033E+02	1.142E+04	2.396E+04	6.199E+03
Z	11	11	11	11	11	11	11	11	11	11	11	11
Z MAXIMUM	5.916E+02	5.387E+02	3.126E+02	1.758E+04	2.773E+04	2.819E+04	5.916E+02	5.387E+02	3.126E+02	1.758E+04	3.015E+04	3.235E+04
GRAND TOTAL	8.215E+02	6.937E+02	7.907E+02	1.002E+05	1.020E+05	4.022E+04	8.215E+02	6.937E+02	7.907E+02	1.002E+05	9.940E+04	4.291E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53,

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	1.852E+02	5.704E+02	1.890E+02	9.268E+04	2.077E+04	8.363E+04	5.342E+02	2.725E+02	1.890E+02	5.170E+04	7.821E+04	7.839E+04
Y	13	14	14	3	16	13	13	13	14	12	3	13
Y MAXIMUM	3.062E+02	2.033E+02	2.312E+02	1.142E+04	6.199E+03	2.396E+04	2.649E+02	1.681E+02	2.312E+02	8.872E+03	9.639E+03	2.334E+04
Z	11	11	11	11	11	11	11	11	11	11	11	11
Z MAXIMUM	5.916E+02	3.126E+02	5.387E+02	1.758E+04	3.235E+04	3.015E+04	6.394E+02	1.971E+02	5.387E+02	3.767E+04	1.616E+04	3.086E+04
GRAND TOTAL	8.215E+02	7.907E+02	6.937E+02	1.002E+05	4.291E+04	9.940E+04	1.039E+03	4.703E+02	6.937E+02	7.039E+04	8.405E+04	9.527E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3
X MAXIMUM	5.705E+02	1.849E+02	1.890E+02	1.789E+04	8.986E+04	7.785E+04
Y	14	13	14	11	3	13
Y MAXIMUM	2.034E+02	3.062E+02	2.312E+02	7.063E+03	1.107E+04	2.039E+04
Z	11	11	11	11	3	11
Z MAXIMUM	3.128E+02	5.914E+02	5.387E+02	4.044E+04	1.509E+04	2.597E+04
GRAND TOTAL	7.909E+02	8.213E+02	6.937E+02	4.938E+04	9.605E+04	9.159E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 58)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	3	3	3	3
X MAXIMUM	3.827E+03	2.815E+02	3.330E+02	5.434E+04	1.296E+04	7.783E+04
Y	3	16	13	13	11	13
Y MAXIMUM	4.717E+02	2.863E+02	2.527E+02	7.337E+03	7.216E+03	1.911E+04
Z	11	11	12	11	11	11
Z MAXIMUM	1.421E+03	1.072E+03	2.293E+02	1.888E+04	4.131E+04	4.156E+04
GRAND TOTAL	4.375E+03	1.367E+03	6.145E+02	6.123E+04	4.955E+04	9.797E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 59)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	11	3	3	3	3	3	11	3	3	3
X MAXIMUM	3.827E+03	3.330E+02	2.813E+02	5.435E+04	7.783E+04	1.293E+04	3.827E+03	3.330E+02	2.813E+02	5.435E+04	7.722E+04	1.190E+04
Y	3	13	16	13	13	11	3	13	16	13	13	11
Y MAXIMUM	4.717E+02	2.527E+02	2.863E+02	7.337E+03	1.911E+04	7.214E+03	4.717E+02	2.527E+02	2.863E+02	7.337E+03	1.893E+04	7.246E+03
Z	11	12	11	11	11	11	11	12	11	11	11	11
Z MAXIMUM	1.421E+03	2.293E+02	1.071E+03	1.091E+04	4.156E+04	4.130E+04	1.421E+03	2.293E+02	1.071E+03	1.891E+04	4.487E+04	4.148E+04
GRAND TOTAL	4.375E+03	6.145E+02	1.367E+03	6.125E+04	9.797E+04	4.953E+04	4.375E+03	6.145E+02	1.367E+03	6.125E+04	9.909E+04	4.978E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 60)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	11	3	3	3	3	11	11	3	3	3
X MAXIMUM	3.827E+03	3.187E+02	2.814E+02	5.434E+04	7.722E+04	1.191E+04	3.827E+03	3.187E+02	2.814E+02	5.434E+04	7.664E+04	1.189E+04
Y	3	16	16	13	13	11	3	16	16	13	13	11
Y MAXIMUM	4.717E+02	8.479E+02	2.863E+02	7.337E+03	1.893E+04	7.247E+03	4.717E+02	8.479E+02	2.863E+02	7.337E+03	1.875E+04	7.883E+03
Z	11	11	11	11	11	11	11	11	11	11	11	11
Z MAXIMUM	1.421E+03	1.214E+03	1.072E+03	1.890E+04	4.487E+04	4.149E+04	1.421E+03	1.214E+03	1.072E+03	1.890E+04	4.809E+04	4.513E+04
GRAND TOTAL	4.375E+03	1.787E+03	1.367E+03	6.125E+04	9.909E+04	4.979E+04	4.375E+03	1.787E+03	1.367E+03	6.125E+04	1.003E+05	5.298E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 61)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	1.565E+03	8.198E+02	2.072E+03	5.434E+04	7.664E+04	1.193E+04	1.565E+03	8.198E+02	2.072E+03	5.434E+04	9.527E+04	1.930E+04
Y	12	16	12	13	13	11	12	16	12	13	13	11
Y MAXIMUM	9.867E+02	8.042E+02	3.077E+02	7.337E+03	1.875E+04	7.886E+03	9.867E+02	8.042E+02	3.077E+02	7.337E+03	1.612E+04	8.393E+03
Z	11	16	11	11	11	11	11	16	11	11	11	11
Z MAXIMUM	3.854E+03	4.196E+02	1.363E+03	1.886E+04	4.809E+04	4.515E+04	3.854E+03	4.196E+02	1.363E+03	1.886E+04	3.583E+04	4.805E+04
GRAND TOTAL	4.765E+03	1.514E+03	2.674E+03	6.122E+04	1.003E+05	5.300E+04	4.765E+03	1.514E+03	2.674E+03	6.122E+04	1.087E+05	5.766E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 62)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(I)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	1.565E+03	8.198E+02	2.072E+03	5.434E+04	9.527E+04	1.930E+04	1.565E+03	8.198E+02	2.072E+03	5.434E+04	1.284E+05	3.242E+04
Y	12	16	12	13	13	11	12	16	12	13	3	16
Y MAXIMUM	9.867E+02	8.042E+02	3.077E+02	7.337E+03	1.612E+04	8.393E+03	9.867E+02	8.042E+02	3.077E+02	7.337E+03	1.583E+04	1.651E+04
Z	11	16	11	11	11	11	11	16	11	11	3	11
Z MAXIMUM	3.854E+03	4.196E+02	1.363E+03	1.887E+04	3.583E+04	4.805E+04	3.854E+03	4.196E+02	1.363E+03	1.887E+04	2.157E+04	5.323E+04
GRAND TOTAL	4.765E+03	1.514E+03	2.674E+03	6.122E+04	1.087E+05	5.766E+04	4.765E+03	1.514E+03	2.674E+03	6.122E+04	1.335E+05	7.183E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 63)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	3	0	3	11	2	11	3	0	3	3
X MAXIMUM	3.208E+02	4.919E+02	1.983E+03	0.	4.521E+04	1.122E+04	3.208E+02	4.919E+02	1.983E+03	0.	9.785E-04	4.921E-04
Y	16	12	3	0	3	12	16	12	3	0	3	13
Y MAXIMUM	5.479E+02	4.413E+02	2.444E+02	0.	5.572E+03	1.006E+04	5.479E+02	4.413E+02	2.444E+02	0.	1.881E-04	6.175E-05
Z	13	11	3	0	3	11	13	11	3	0	3	11
Z MAXIMUM	2.921E+02	1.874E+03	3.331E+02	0.	7.595E+03	4.272E+04	2.921E+02	1.874E+03	3.331E+02	0.	2.223E-04	1.221E-04
GRAND TOTAL	9.907E+02	2.153E+03	2.054E+03	0.	4.682E+04	4.908E+04	9.907E+02	2.153E+03	2.054E+03	0.	1.033E-03	5.306E-04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 64)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	7	3	7	3	3	3	7
X MAXIMUM	1.542E+02	1.891E+02	1.509E+03	1.360E+05	1.284E+05	9.054E+03	1.542E+02	1.891E+02	1.509E+03	1.360E+05	1.204E+05	8.054E+03
Y	12	13	13	3	3	13	12	13	13	3	3	13
Y MAXIMUM	9.114E+01	4.946E+02	3.154E+02	1.676E+04	1.583E+04	2.533E+04	9.114E+01	4.946E+02	3.154E+02	1.676E+04	1.484E+04	2.272E+04
Z	11	13	3	3	3	11	11	13	3	3	3	11
Z MAXIMUM	3.064E+02	3.200E+02	2.534E+02	2.284E+04	2.157E+04	2.765E+04	3.064E+02	3.200E+02	2.534E+02	2.284E+04	2.023E+04	2.605E+04
GRAND TOTAL	4.126E+02	9.302E+02	1.635E+03	1.398E+05	1.335E+05	5.433E+04	4.126E+02	9.302E+02	1.635E+03	1.398E+05	1.250E+05	4.955E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 65)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	7	3	7	3	3	3	7
X MAXIMUM	3.501E+02	1.956E+02	1.877E+03	1.360E+05	1.204E+05	8.054E+03	3.501E+02	1.956E+02	1.877E+03	1.360E+05	1.003E+05	5.960E+03
Y	3	13	13	2	3	13	3	13	13	3	3	13
Y MAXIMUM	4.315E+01	5.819E+02	2.986E+02	1.676E+04	1.484E+04	2.272E+04	4.315E+01	5.819E+02	2.986E+02	1.676E+04	1.237E+04	1.649E+04
Z	3	13	3	3	3	11	3	13	3	3	3	11
Z MAXIMUM	5.882E+01	3.765E+02	3.154E+02	2.284E+04	2.023E+04	2.605E+04	5.882E+01	3.765E+02	3.154E+02	2.284E+04	1.686E+04	2.268E+04
GRAND TOTAL	3.789E+02	1.071E+03	1.983E+03	1.398E+05	1.250E+05	4.955E+04	3.789E+02	1.071E+03	1.983E+03	1.398E+05	1.041E+05	3.871E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 66)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	7	3	7	3	3	3	11
X MAXIMUM	3.493E+02	1.956E+02	1.878E+03	1.360E+05	1.003E+05	5.959E+03	3.493E+02	1.956E+02	1.878E+03	1.360E+05	7.852E+04	4.994E+03
Y	3	13	13	3	3	13	3	13	13	3	3	13
Y MAXIMUM	4.305E+01	5.819E+02	2.985E+02	1.676E+04	1.237E+04	1.648E+04	4.305E+01	5.819E+02	2.985E+02	1.676E+04	9.677E+03	9.717E+03
Z	3	13	3	3	3	11	3	13	3	3	3	11
Z MAXIMUM	5.868E+01	3.765E+02	3.154E+02	2.284E+04	1.686E+04	2.268E+04	5.868E+01	3.765E+02	3.154E+02	2.284E+04	1.319E+04	1.902E+04
GRAND TOTAL	3.781E+02	1.071E+03	1.983E+03	1.398E+05	1.041E+05	3.870E+04	3.781E+02	1.071E+03	1.983E+03	1.398E+05	8.153E+04	2.751E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 67)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	7	3	3	3	11	3	3	3	3	3	11
X MAXIMUM	3.502E+02	1.956E+02	1.877E+03	1.360E+05	7.852E+04	4.993E+03	1.690E+02	3.263E+02	1.877E+03	4.890E+04	1.318E+05	4.168E+03
Y	3	13	13	3	3	13	3	13	13	3	3	12
Y MAXIMUM	4.316E+01	5.819E+02	2.986E+02	1.676E+04	9.677E+03	9.721E+03	4.349E+02	3.881E+02	2.986E+02	6.027E+03	1.624E+04	3.911E+03
Z	3	13	3	3	3	11	3	13	3	11	3	11
Z MAXIMUM	5.883E+01	3.765E+02	3.154E+02	2.284E+04	1.319E+04	1.902E+04	2.814E+02	2.511E+02	3.154E+02	1.478E+04	2.213E+04	1.587E+04
GRAND TOTAL	3.789E+02	1.071E+03	1.983E+03	1.398E+05	8.153E+04	2.752E+04	8.208E+02	7.858E+02	1.983E+03	5.307E+04	1.349E+05	1.891E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3
X MAXIMUM	1.852E+02	2.081E+02	5.704E+02	9.268E+04	8.975E+04	2.285E+04
Y	13	14	14	3	13	16
Y MAXIMUM	3.062E+02	2.191E+02	2.033E+02	1.142E+04	2.322E+04	6.446E+03
Z	11	11	11	11	11	11
Z MAXIMUM	5.916E+02	5.288E+02	3.126E+02	1.758E+04	2.679E+04	2.660E+04
GRAND TOTAL	8.215E+02	6.856E+02	7.907E+02	1.002E+05	1.030E+05	3.937E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 51)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	1.849E+02	2.081E+02	5.705E+02	9.269E+04	8.975E+04	2.281E+04	1.849E+02	2.081E+02	5.705E+02	9.269E+04	8.804E+04	2.219E+04
Y	13	14	14	3	13	16	13	14	14	3	13	16
Y MAXIMUM	3.062E+02	2.191E+02	2.034E+02	1.142E+04	2.322E+04	6.444E+03	3.062E+02	2.191E+02	2.034E+02	1.142E+04	2.343E+04	6.368E+03
Z	11	11	11	11	11	11	11	11	11	11	11	11
Z MAXIMUM	5.914E+02	5.288E+02	3.128E+02	1.757E+04	2.679E+04	2.661E+04	5.914E+02	5.288E+02	3.128E+02	1.757E+04	2.773E+04	2.820E+04
GRAND TOTAL	8.213E+02	6.856E+02	7.909E+02	1.002E+05	1.030E+05	3.935E+04	8.213E+02	6.856E+02	7.909E+02	1.002E+05	1.020E+05	4.021E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 52)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	1.852E+02	1.890E+02	5.704E+02	9.268E+04	8.804E+04	2.222E+04	1.852E+02	1.890E+02	5.704E+02	9.268E+04	8.363E+04	2.076E+04
Y	13	14	14	3	13	16	13	14	14	3	13	16
Y MAXIMUM	3.062E+02	2.312E+02	2.033E+02	1.142E+04	2.343E+04	6.370E+03	3.062E+02	2.312E+02	2.033E+02	1.142E+04	2.396E+04	6.199E+03
Z	11	11	11	11	11	11	11	11	11	11	11	11
Z MAXIMUM	5.916E+02	5.387E+02	3.126E+02	1.758E+04	2.773E+04	2.819E+04	5.916E+02	5.387E+02	3.126E+02	1.758E+04	3.015E+04	3.235E+04
GRAND TOTAL	8.215E+02	6.937E+02	7.907E+02	1.002E+05	1.020E+05	4.022E+04	8.215E+02	6.937E+02	7.907E+02	1.002E+05	9.940E+04	4.291E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	1.852E+02	5.704E+02	1.890E+02	9.268E+04	2.077E+04	8.363E+04	5.342E+02	2.725E+02	1.890E+02	5.170E+04	7.821E+04	7.839E+04
Y	13	14	14	3	16	13	13	13	14	12	3	13
Y MAXIMUM	3.062E+02	2.033E+02	2.312E+02	1.142E+04	6.199E+03	2.396E+04	2.649E+02	1.681E+02	2.312E+02	8.872E+03	9.639E+03	2.334E+04
Z	11	11	11	11	11	11	11	11	11	11	11	11
Z MAXIMUM	5.916E+02	3.126E+02	5.387E+02	1.758E+04	3.235E+04	3.015E+04	6.394E+02	1.971E+02	5.387E+02	3.767E+04	1.616E+04	3.086E+04
GRAND TOTAL	8.215E+02	7.907E+02	6.937E+02	1.002E+05	4.291E+04	9.940E+04	1.039E+03	4.703E+02	6.937E+02	7.039E+04	8.405E+04	9.527E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3
X MAXIMUM	5.705E+02	1.849E+02	1.890E+02	1.789E+04	8.986E+04	7.785E+04
Y	14	13	14	11	3	13
Y MAXIMUM	2.034E+02	3.062E+02	2.312E+02	7.063E+03	1.107E+04	2.039E+04
Z	11	11	11	11	3	11
Z MAXIMUM	3.128E+02	5.914E+02	5.387E+02	4.044E+04	1.509E+04	2.597E+04
GRAND TOTAL	7.909E+02	8.213E+02	6.937E+02	4.938E+04	9.605E+04	9.159E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 54)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	5.704E+02	1.890E+02	1.852E+02	1.794E+04	7.785E+04	8.985E+04	5.704E+02	1.890E+02	1.852E+02	1.794E+04	8.190E+04	8.572E+04
Y	14	14	13	11	13	3	14	14	13	11	13	13
Y MAXIMUM	2.033E+02	2.312E+02	3.062E+02	7.062E+03	2.039E+04	1.107E+04	2.033E+02	2.312E+02	3.062E+02	7.062E+03	1.370E+04	1.202E+04
Z	11	11	11	11	11	3	11	11	11	11	3	3
Z MAXIMUM	3.125E+02	5.387E+02	5.916E+02	4.043E+04	2.597E+04	1.509E+04	3.125E+02	5.387E+02	5.916E+02	4.043E+04	1.376E+04	1.440E+04
GRAND TOTAL	7.906E+02	6.937E+02	8.216E+02	4.939E+04	9.159E+04	9.605E+04	7.906E+02	6.937E+02	8.216E+02	4.939E+04	8.887E+04	9.180E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 55)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	3	3	3	3	11	3	3	3	3	3
X MAXIMUM	2.174E+02	3.559E+02	3.881E+02	1.793E+04	8.190E+04	8.572E+04	2.174E+02	3.559E+02	3.881E+02	1.793E+04	6.127E+04	6.680E+04
Y	16	13	13	11	13	13	16	13	13	11	16	3
Y MAXIMUM	2.203E+02	2.100E+02	3.180E+02	7.062E+03	1.370E+04	1.202E+04	2.203E+02	2.100E+02	3.180E+02	7.062E+03	1.471E+04	8.233E+03
Z	11	12	11	11	3	3	11	12	11	11	11	11
Z MAXIMUM	8.279E+02	2.330E+02	8.650E+02	4.043E+04	1.376E+04	1.440E+04	8.279E+02	2.330E+02	8.650E+02	4.043E+04	3.293E+04	1.354E+04
GRAND TOTAL	1.065E+03	6.356E+02	1.359E+03	4.938E+04	8.887E+04	9.130E+04	1.065E+03	6.356E+02	1.359E+03	4.938E+04	8.030E+04	7.001E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 56)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	3	3	3	3	11	3	3	3	3	3
X MAXIMUM	2.173E+02	3.559E+02	4.029E+03	1.792E+04	6.127E+04	6.681E+04	2.173E+02	3.559E+02	4.029E+03	1.792E+04	2.333E+04	5.933E+04
Y	16	13	12	11	16	3	16	13	12	11	16	3
Y MAXIMUM	2.203E+02	2.100E+02	5.349E+02	7.062E+03	1.471E+04	8.234E+03	2.203E+02	2.100E+02	5.349E+02	7.062E+03	1.537E+04	7.312E+03
Z	11	12	11	11	11	11	11	12	11	11	13	11
Z MAXIMUM	8.276E+02	2.330E+02	1.772E+03	4.043E+04	3.293E+04	1.354E+04	8.276E+02	2.330E+02	1.772E+03	4.043E+04	8.600E+03	1.800E+04
GRAND TOTAL	1.065E+03	6.356E+02	4.735E+03	4.938E+04	8.030E+04	7.001E+04	1.065E+03	6.356E+02	4.735E+03	4.938E+04	3.807E+04	6.432E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 57)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	3	3	3	3	11	3	3	3	3	3
X MAXIMUM	2.773E+02	3.330E+02	3.825E+03	1.725E+04	2.333E+04	5.953E+04	2.773E+02	3.330E+02	3.825E+03	1.725E+04	2.368E+04	5.950E+04
Y	16	13	3	11	16	3	16	13	3	11	16	3
Y MAXIMUM	2.869E+02	2.527E+02	4.714E+02	7.026E+03	1.537E+04	7.337E+03	2.869E+02	2.527E+02	4.714E+02	7.026E+03	1.538E+04	7.333E+03
Z	11	12	11	11	13	11	11	12	11	11	13	11
Z MAXIMUM	1.056E+03	2.293E+02	1.433E+03	4.022E+04	8.600E+03	1.845E+04	1.056E+03	2.293E+02	1.433E+03	4.022E+04	8.626E+03	1.846E+04
GRAND TOTAL	1.362E+03	6.145E+02	4.377E+03	4.893E+04	3.807E+04	6.467E+04	1.362E+03	6.145E+02	4.377E+03	4.893E+04	3.834E+04	6.464E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 58)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	11	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	2.816E+02	3.827E+03	3.330E+02	1.793E+04	5.930E+04	2.368E+04	2.843E+03	2.570E+03	3.330E+02	2.780E+04	5.110E+04	6.317E+04
Y	16	3	13	11	3	16	7	12	13	13	12	13
Y MAXIMUM	2.863E+02	4.717E+02	2.527E+02	7.062E+03	7.308E+03	1.538E+04	4.010E+02	4.804E+02	2.527E+02	6.802E+03	7.603E+03	1.779E+04
Z	11	11	12	11	11	13	3	11	12	11	11	11
Z MAXIMUM	1.073E+03	1.421E+03	2.293E+02	4.043E+04	1.799E+04	8.626E+03	4.776E+02	1.763E+03	2.293E+02	1.561E+04	4.194E+04	2.405E+04
GRAND TOTAL	1.367E+03	4.375E+03	6.145E+02	4.939E+04	6.429E+04	3.834E+04	3.125E+03	3.353E+03	6.145E+02	3.525E+04	7.091E+04	7.737E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 58)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	3	3	3	3
X MAXIMUM	3.827E+03	2.815E+02	3.330E+02	5.434E+04	1.296E+04	7.783E+04
Y	3	16	13	13	11	13
Y MAXIMUM	4.717E+02	2.863E+02	2.527E+02	7.337E+03	7.216E+03	1.911E+04
Z	11	11	12	11	11	11
Z MAXIMUM	1.421E+03	1.072E+03	2.293E+02	1.888E+04	4.131E+04	4.156E+04
GRAND TOTAL	4.375E+03	1.367E+03	6.145E+02	6.123E+04	4.955E+04	9.797E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 59)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	11	3	3	3	3	3	11	3	3	3
X MAXIMUM	3.827E+03	3.330E+02	2.813E+02	5.435E+04	7.783E+04	1.293E+04	3.827E+03	3.330E+02	2.813E+02	5.435E+04	7.722E+04	1.190E+04
Y	3	13	16	13	13	11	3	13	16	13	13	11
Y MAXIMUM	4.717E+02	2.527E+02	2.863E+02	7.337E+03	1.911E+04	7.214E+03	4.717E+02	2.527E+02	2.863E+02	7.337E+03	1.893E+04	7.246E+03
Z	11	12	11	11	11	11	11	12	11	11	11	11
Z MAXIMUM	1.421E+03	2.293E+02	1.071E+03	1.891E+04	4.156E+04	4.130E+04	1.421E+03	2.293E+02	1.071E+03	1.891E+04	4.487E+04	4.148E+04
GRAND TOTAL	4.375E+03	6.145E+02	1.367E+03	6.125E+04	9.797E+04	4.953E+04	4.375E+03	6.145E+02	1.367E+03	6.125E+04	9.909E+04	4.978E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 60)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	11	3	3	3	3	11	11	3	3	3
X MAXIMUM	3.827E+03	3.187E+02	2.814E+02	5.434E+04	7.722E+04	1.191E+04	3.827E+03	3.187E+02	2.814E+02	5.434E+04	7.664E+04	1.189E+04
Y	3	16	16	13	13	11	3	16	16	13	13	11
Y MAXIMUM	4.717E+02	8.479E+02	2.863E+02	7.337E+03	1.893E+04	7.247E+03	4.717E+02	8.479E+02	2.863E+02	7.337E+03	1.875E+04	7.883E+03
Z	11	11	11	11	11	11	11	11	11	11	11	11
Z MAXIMUM	1.421E+03	1.214E+03	1.072E+03	1.890E+04	4.487E+04	4.149E+04	1.421E+03	1.214E+03	1.072E+03	1.890E+04	4.809E+04	4.513E+04
GRAND TOTAL	4.375E+03	1.787E+03	1.367E+03	6.125E+04	9.909E+04	4.979E+04	4.375E+03	1.787E+03	1.367E+03	6.125E+04	1.003E+05	5.298E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 61)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	1.565E+03	8.198E+02	2.072E+03	5.434E+04	7.664E+04	1.193E+04	1.565E+03	8.198E+02	2.072E+03	5.434E+04	9.527E+04	1.930E+04
Y	12	16	12	13	13	11	12	16	12	13	13	11
Y MAXIMUM	9.867E+02	8.042E+02	3.077E+02	7.337E+03	1.875E+04	7.886E+03	9.867E+02	8.042E+02	3.077E+02	7.337E+03	1.612E+04	8.393E+03
Z	11	16	11	11	11	11	11	16	11	11	11	11
Z MAXIMUM	3.854E+03	4.196E+02	1.363E+03	1.886E+04	4.809E+04	4.515E+04	3.854E+03	4.196E+02	1.363E+03	1.886E+04	5.583E+04	4.805E+04
GRAND TOTAL	4.765E+03	1.514E+03	2.674E+03	6.122E+04	1.003E+05	5.300E+04	4.765E+03	1.514E+03	2.674E+03	6.122E+04	1.087E+05	5.766E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 62)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	1.565E+03	8.198E+02	2.072E+03	5.434E+04	9.527E+04	1.930E+04	1.565E+03	8.198E+02	2.072E+03	5.434E+04	1.284E+05	3.242E+04
Y	12	16	12	13	13	11	12	16	12	13	3	16
Y MAXIMUM	9.867E+02	8.042E+02	3.077E+02	7.337E+03	1.612E+04	8.393E+03	9.867E+02	8.042E+02	3.077E+02	7.337E+03	1.583E+04	1.651E+04
Z	11	16	11	11	11	11	11	16	11	11	3	11
Z MAXIMUM	3.854E+03	4.196E+02	1.363E+03	1.887E+04	3.583E+04	4.805E+04	3.854E+03	4.196E+02	1.363E+03	1.887E+04	2.157E+04	5.323E+04
GRAND TOTAL	4.765E+03	1.514E+03	2.674E+03	6.122E+04	1.087E+05	5.766E+04	4.765E+03	1.514E+03	2.674E+03	6.122E+04	1.335E+05	7.183E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 63)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	3	0	3	11	3	11	3	0	3	3
X MAXIMUM	3.208E+02	4.919E+02	1.983E+03	0.	4.521E+04	1.122E+04	3.208E+02	4.919E+02	1.983E+03	0.	9.785E-04	4.921E-04
Y	16	12	3	0	3	12	16	12	3	0	3	13
Y MAXIMUM	5.479E+02	4.413E+02	2.444E+02	0.	5.572E+03	1.006E+04	5.479E+02	4.413E+02	2.444E+02	0.	1.881E-04	6.175E-05
Z	13	11	3	0	3	11	13	11	3	0	3	11
Z MAXIMUM	2.921E+02	1.874E+03	3.331E+02	0.	7.595E+03	4.272E+04	2.921E+02	1.874E+03	3.331E+02	0.	2.223E-04	1.221E-04
GRAND TOTAL	9.907E+02	2.153E+03	2.054E+03	0.	4.682E+04	4.908E+04	9.907E+02	2.153E+03	2.054E+03	0.	1.033E-03	5.306E-04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 64)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	7	3	7	3	3	3	7
X MAXIMUM	1.542E+02	1.891E+02	1.509E+03	1.360E+05	1.284E+05	9.054E+03	1.542E+02	1.891E+02	1.509E+03	1.360E+05	1.204E+05	8.054E+03
Y	12	13	13	3	3	13	12	13	13	3	3	13
Y MAXIMUM	9.114E+01	4.946E+02	3.154E+02	1.676E+04	1.583E+04	2.533E+04	9.114E+01	4.946E+02	3.154E+02	1.676E+04	1.484E+04	2.272E+04
Z	11	13	3	3	3	11	11	13	3	3	3	11
Z MAXIMUM	3.064E+02	3.200E+02	2.534E+02	2.284E+04	2.157E+04	2.765E+04	3.064E+02	3.200E+02	2.534E+02	2.284E+04	2.023E+04	2.605E+04
GRAND TOTAL	4.126E+02	9.302E+02	1.635E+03	1.398E+05	1.335E+05	5.433E+04	4.126E+02	9.302E+02	1.635E+03	1.398E+05	1.250E+05	4.955E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 65)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	7	3	7	3	3	3	7
X MAXIMUM	3.501E+02	1.956E+02	1.877E+03	1.360E+05	1.204E+05	8.054E+03	3.501E+02	1.956E+02	1.877E+03	1.360E+05	1.003E+05	5.960E+03
Y	3	13	13	3	3	13	3	13	13	3	3	13
Y MAXIMUM	4.315E+01	5.819E+02	2.986E+02	1.676E+04	1.484E+04	2.272E+04	4.315E+01	5.819E+02	2.986E+02	1.676E+04	1.237E+04	1.649E+04
Z	3	13	3	3	3	11	3	13	3	3	3	11
Z MAXIMUM	5.882E+01	3.765E+02	3.154E+02	2.284E+04	2.023E+04	2.605E+04	5.882E+01	3.765E+02	3.154E+02	2.284E+04	1.686E+04	2.268E+04
GRAND TOTAL	3.789E+02	1.071E+03	1.983E+03	1.398E+05	1.250E+05	4.955E+04	3.789E+02	1.071E+03	1.983E+03	1.398E+05	1.041E+05	3.871E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 66)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	7	3	7	3	3	3	11
X MAXIMUM	3.493E+02	1.956E+02	1.878E+03	1.360E+05	1.003E+05	5.959E+03	3.493E+02	1.956E+02	1.878E+03	1.360E+05	7.852E+04	4.994E+03
Y	3	13	13	3	3	13	3	13	13	3	3	13
Y MAXIMUM	4.305E+01	5.819E+02	2.985E+02	1.676E+04	1.237E+04	1.648E+04	4.305E+01	5.819E+02	2.985E+02	1.676E+04	9.677E+03	9.717E+03
Z	3	13	3	3	3	11	3	13	3	3	3	11
Z MAXIMUM	5.868E+01	3.765E+02	3.154E+02	2.284E+04	1.686E+04	2.268E+04	5.868E+01	3.765E+02	3.154E+02	2.284E+04	1.319E+04	1.902E+04
GRAND TOTAL	3.781E+02	1.071E+03	1.983E+03	1.398E+05	1.041E+05	3.870E+04	3.781E+02	1.071E+03	1.983E+03	1.398E+05	8.153E+04	2.751E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 67)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	7	3	3	3	11	3	3	3	3	3	11
X MAXIMUM	3.502E+02	1.956E+02	1.877E+03	1.360E+05	7.852E+04	4.993E+03	1.690E+02	3.263E+02	1.877E+03	4.890E+04	1.318E+05	4.168E+03
Y	3	13	13	3	3	13	3	13	13	3	3	12
Y MAXIMUM	4.316E+01	5.819E+02	2.986E+02	1.676E+04	9.677E+03	9.721E+03	4.349E+02	3.881E+02	2.986E+02	6.027E+03	1.624E+04	3.911E+03
Z	3	13	3	3	3	11	3	13	3	11	3	11
Z MAXIMUM	5.883E+01	3.765E+02	3.154E+02	2.284E+04	1.319E+04	1.902E+04	2.814E+02	2.511E+02	3.154E+02	1.478E+04	2.213E+04	1.587E+04
GRAND TOTAL	3.789E+02	1.071E+03	1.983E+03	1.398E+05	8.153E+04	2.752E+04	8.208E+02	7.858E+02	1.983E+03	5.307E+04	1.349E+05	1.891E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 67)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	7	3	3	3	3	11
X MAXIMUM	1.956E+02	3.502E+02	1.877E+03	5.031E+04	1.078E+05	3.928E+03
Y	13	3	13	3	3	12
Y MAXIMUM	5.820E+02	4.316E+01	2.986E+02	6.201E+03	1.329E+04	3.085E+03
Z	13	3	3	11	3	11
Z MAXIMUM	3.765E+02	5.883E+01	3.154E+02	1.130E+04	1.812E+04	1.496E+04
GRAND TOTAL	1.071E+03	3.789E+02	1.983E+03	5.310E+04	1.109E+05	1.726E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 68)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	7	3	3	3	3	3	7	3	3	3	3	3
X MAXIMUM	1.956E+02	3.963E+02	1.868E+03	5.036E+04	9.823E+04	4.461E+04	1.956E+02	3.963E+02	1.868E+03	5.036E+04	7.081E+04	3.879E+04
Y	13	13	13	3	3	3	13	13	13	3	3	3
Y MAXIMUM	5.819E+02	1.452E+02	2.630E+02	6.207E+03	1.211E+04	5.497E+03	5.819E+02	1.452E+02	2.630E+02	6.207E+03	8.727E+03	4.781E+03
Z	13	12	3	11	3	11	13	12	3	11	3	11
Z MAXIMUM	3.765E+02	1.042E+02	3.138E+02	1.129E+04	1.650E+04	1.763E+04	3.765E+02	1.042E+02	3.138E+02	1.129E+04	1.190E+04	1.854E+04
GRAND TOTAL	1.071E+03	4.879E+02	1.959E+03	5.315E+04	1.007E+05	4.946E+04	1.071E+03	4.879E+02	1.959E+03	5.315E+04	7.280E+04	4.480E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 69)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	7	3	3	3	3	3	7	3	3	3	3	3
X MAXIMUM	2.105E+02	4.175E+02	2.280E+03	5.036E+04	7.081E+04	3.879E+04	2.105E+02	4.175E+02	2.280E+03	5.036E+04	4.623E+04	1.736E+04
Y	13	13	3	3	3	3	13	13	3	3	13	13
Y MAXIMUM	7.077E+02	9.997E+01	2.810E+02	6.207E+03	8.727E+03	4.781E+03	7.077E+02	9.997E+01	2.810E+02	6.207E+03	1.244E+04	7.343E+03
Z	13	11	3	11	3	11	13	11	3	11	13	11
Z MAXIMUM	4.579E+02	1.919E+02	3.831E+02	1.129E+04	1.190E+04	1.854E+04	4.579E+02	1.919E+02	3.831E+02	1.129E+04	8.046E+03	8.687E+03
GRAND TOTAL	1.304E+03	5.010E+02	2.364E+03	5.315E+04	7.280E+04	4.480E+04	1.304E+03	5.010E+02	2.364E+03	5.315E+04	5.310E+04	2.427E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 70)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	7	3	3	3	3	3	7	3	3	3	3	3
X MAXIMUM	2.253E+02	4.369E+02	2.439E+03	5.036E+04	4.623E+04	1.736E+04	2.253E+02	4.369E+02	2.439E+03	5.036E+04	4.646E+04	1.732E+04
Y	13	11	3	3	13	13	13	11	3	3	13	13
Y MAXIMUM	8.329E+02	6.670E+01	3.006E+02	6.207E+03	1.244E+04	7.343E+03	8.329E+02	6.670E+01	3.006E+02	6.207E+03	1.246E+04	7.347E+03
Z	13	11	3	11	13	11	13	11	3	11	13	11
Z MAXIMUM	5.389E+02	3.818E+02	4.097E+02	1.129E+04	8.046E+03	8.687E+03	5.389E+02	3.818E+02	4.097E+02	1.129E+04	8.059E+03	8.651E+03
GRAND TOTAL	1.553E+03	6.217E+02	2.520E+03	5.315E+04	5.310E+04	2.427E+04	1.553E+03	6.217E+02	2.520E+03	5.315E+04	5.333E+04	2.423E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 71)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	7	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	2.253E+02	2.420E+03	5.312E+02	5.036E+04	3.381E+04	3.628E+04	1.593E+03	1.829E+03	5.312E+02	6.183E+04	6.116E+03	6.251E+04
Y	13	3	12	3	3	13	13	13	12	3	11	13
Y MAXIMUM	8.329E+02	2.983E+02	8.378E+01	6.207E+03	4.166E+03	1.432E+04	7.432E+02	4.348E+02	8.378E+01	7.620E+03	1.291E+03	1.298E+04
Z	13	3	11	11	3	11	13	11	11	3	11	3
Z MAXIMUM	5.389E+02	4.065E+02	3.902E+02	1.129E+04	5.679E+03	1.058E+04	4.808E+02	3.662E+02	3.902E+02	1.039E+04	7.392E+03	1.050E+04
GRAND TOTAL	1.553E+03	2.499E+03	7.014E+02	5.315E+04	3.541E+04	4.666E+04	2.091E+03	2.070E+03	7.014E+02	6.384E+04	1.057E+04	6.843E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 71)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	3
X MAXIMUM	2.420E+03	2.253E+02	5.312E+02	4.171E+04	4.245E+04	7.482E+04
Y	3	13	12	3	3	3
Y MAXIMUM	2.983E+02	8.330E+02	8.378E+01	5.141E+03	5.232E+03	9.222E+03
Z	3	13	11	3	3	3
Z MAXIMUM	4.065E+02	5.390E+02	3.902E+02	7.007E+03	7.132E+03	1.257E+04
GRAND TOTAL	2.499E+03	1.553E+03	7.014E+02	4.280E+04	4.419E+04	7.705E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 72)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	3	3	7	3	3	3	3
X MAXIMUM	2.419E+03	2.253E+02	5.340E+02	4.181E+04	4.244E+04	7.478E+04	2.419E+03	2.253E+02	5.340E+02	4.181E+04	3.912E+04	7.582E+04
Y	3	13	12	3	3	3	3	13	12	3	3	3
Y MAXIMUM	2.982E+02	8.329E+02	8.388E+01	5.152E+03	5.231E+03	9.216E+03	2.982E+02	8.329E+02	8.388E+01	5.152E+03	4.822E+03	9.344E+03
Z	3	13	11	3	3	3	3	13	11	3	3	3
Z MAXIMUM	4.064E+02	5.389E+02	3.901E+02	7.023E+03	7.130E+03	1.256E+04	4.064E+02	5.389E+02	3.901E+02	7.023E+03	6.572E+03	1.274E+04
GRAND TOTAL	2.498E+03	1.553E+03	7.035E+02	4.289E+04	4.418E+04	7.701E+04	2.498E+03	1.553E+03	7.035E+02	4.289E+04	4.063E+04	7.747E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 73)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	3	3	7	3	3	3	3
X MAXIMUM	2.420E+03	2.219E+02	5.308E+02	4.171E+04	3.912E+04	7.587E+04	2.420E+03	2.219E+02	5.308E+02	4.171E+04	3.390E+04	7.673E+04
Y	3	13	12	3	3	3	3	13	12	3	3	3
Y MAXIMUM	2.983E+02	8.219E+02	8.376E+01	5.140E+03	4.822E+03	9.351E+03	2.983E+02	8.219E+02	8.376E+01	5.140E+03	4.179E+03	9.457E+03
Z	3	13	11	3	3	3	3	13	11	3	3	3
Z MAXIMUM	4.065E+02	5.318E+02	3.902E+02	7.006E+03	6.572E+03	1.275E+04	4.065E+02	5.318E+02	3.902E+02	7.006E+03	5.695E+03	1.289E+04
GRAND TOTAL	2.499E+03	1.525E+03	7.010E+02	4.279E+04	4.063E+04	7.753E+04	2.499E+03	1.525E+03	7.010E+02	4.279E+04	3.542E+04	7.984E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 74)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	2.420E+03	3.585E+03	5.302E+02	4.169E+04	3.390E+04	7.674E+04	2.420E+03	3.585E+03	5.302E+02	4.169E+04	3.153E+04	6.067E+04
Y	3	3	12	3	3	3	3	3	12	3	3	13
Y MAXIMUM	2.983E+02	4.418E+02	8.374E+01	5.138E+03	4.179E+03	9.458E+03	2.983E+02	4.418E+02	8.374E+01	5.138E+03	3.886E+03	9.591E+03
Z	3	3	11	3	3	3	3	3	11	3	3	3
Z MAXIMUM	4.066E+02	6.022E+02	3.902E+02	7.003E+03	5.695E+03	1.289E+04	4.066E+02	6.022E+02	3.902E+02	7.003E+03	5.296E+03	1.019E+04
GRAND TOTAL	2.499E+03	3.705E+03	7.006E+02	4.277E+04	3.542E+04	7.985E+04	2.499E+03	3.705E+03	7.006E+02	4.277E+04	3.325E+04	6.443E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 75)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	2.420E+03	3.585E+03	5.321E+02	4.176E+04	3.151E+04	6.063E+04	4.246E+03	8.244E+02	5.321E+02	4.947E+04	1.289E+04	3.324E+04
Y	3	3	12	3	3	13	3	3	12	3	12	13
Y MAXIMUM	2.982E+02	4.418E+02	8.381E+01	5.147E+03	3.883E+03	9.590E+03	5.233E+02	1.016E+02	8.381E+01	6.097E+03	1.996E+03	1.215E+04
Z	3	3	11	3	3	3	3	3	11	3	11	13
Z MAXIMUM	4.065E+02	6.022E+02	3.901E+02	7.016E+03	5.293E+03	1.019E+04	7.133E+02	1.385E+02	3.901E+02	8.311E+03	6.521E+03	7.864E+03
GRAND TOTAL	2.498E+03	3.705E+03	7.020E+02	4.285E+04	3.323E+04	6.439E+04	4.385E+03	8.631E+02	7.020E+02	5.137E+04	1.550E+04	4.050E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 75)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3
X MAXIMUM	3.585E+03	2.419E+03	5.321E+02	2.353E+04	4.974E+04	4.315E+04
Y	3	3	12	12	3	13
Y MAXIMUM	4.419E+02	2.981E+02	8.381E+01	3.496E+03	6.130E+03	1.130E+04
Z	3	3	11	11	3	13
Z MAXIMUM	6.023E+02	4.064E+02	3.901E+02	8.383E+03	8.356E+03	7.312E+03
GRAND TOTAL	3.706E+03	2.498E+03	7.020E+02	2.737E+04	5.139E+04	4.893E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 76)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	3.585E+03	4.369E+02	2.439E+03	2.354E+04	5.893E+04	2.936E+04	3.585E+03	4.369E+02	2.439E+03	2.354E+04	1.125E+05	1.976E+04
Y	3	11	3	12	13	3	3	11	3	12	3	12
Y MAXIMUM	4.418E+02	6.670E+01	3.006E+02	3.498E+03	1.076E+04	3.619E+03	4.418E+02	6.670E+01	3.006E+02	3.498E+03	1.387E+04	3.467E+03
Z	3	11	3	11	3	11	3	11	3	11	3	11
Z MAXIMUM	6.022E+02	3.818E+02	4.097E+02	8.386E+03	9.900E+03	8.748E+03	6.022E+02	3.818E+02	4.097E+02	8.386E+03	1.890E+04	1.714E+04
GRAND TOTAL	3.705E+03	6.217E+02	2.520E+03	2.738E+04	6.326E+04	3.214E+04	3.705E+03	6.217E+02	2.520E+03	2.738E+04	1.156E+05	2.796E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 77)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	11
X MAXIMUM	3.586E+03	4.356E+02	2.506E+03	2.354E+04	1.125E+05	1.976E+04	3.586E+03	4.356E+02	2.506E+03	2.354E+04	2.378E+05	1.039E+04
Y	3	11	3	12	3	12	3	11	3	12	3	11
Y MAXIMUM	4.419E+02	7.832E+01	3.088E+02	3.498E+03	1.387E+04	3.467E+03	4.419E+02	7.832E+01	3.088E+02	3.498E+03	2.931E+04	6.911E+03
Z	3	11	3	11	3	11	3	11	3	11	3	11
Z MAXIMUM	6.023E+02	4.484E+02	4.209E+02	8.386E+03	1.890E+04	1.714E+04	6.023E+02	4.484E+02	4.209E+02	8.386E+03	3.996E+04	3.957E+04
GRAND TOTAL	3.706E+03	6.807E+02	2.593E+03	2.738E+04	1.156E+05	2.796E+04	3.706E+03	6.807E+02	2.593E+03	2.738E+04	2.434E+05	4.403E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 78)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	9	9	8	3	3	32	9	9	8	3	8
X MAXIMUM	1.480E+02	3.528E+02	2.326E+02	1.265E+04	3.236E+03	8.387E+03	1.480E+02	3.528E+02	2.326E+02	1.265E+04	2.874E+03	7.807E+03
Y	9	9	9	8	9	8	9	9	9	8	8	8
Y MAXIMUM	2.062E+02	5.495E+02	3.622E+02	1.992E+04	3.420E+03	1.321E+04	2.062E+02	5.495E+02	3.622E+02	1.992E+04	1.857E+03	1.229E+04
Z	11	12	12	8	11	12	11	12	12	8	11	12
Z MAXIMUM	2.015E+02	2.609E+02	2.042E+02	7.056E+03	2.767E+03	8.046E+03	2.015E+02	2.609E+02	2.042E+02	7.056E+03	2.644E+03	6.643E+03
GRAND TOTAL	5.861E+02	8.546E+02	6.912E+02	3.207E+04	9.314E+03	2.723E+04	5.861E+02	8.546E+02	6.912E+02	3.207E+04	6.681E+03	2.585E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 79)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	9	9	8	3	8	9	9	9	8	3	8
X MAXIMUM	1.755E+02	3.528E+02	2.021E+02	1.087E+04	2.874E+03	1.014E+04	1.755E+02	3.528E+02	2.021E+02	1.087E+04	2.872E+03	1.013E+04
Y	9	9	9	8	8	8	9	9	9	8	8	8
Y MAXIMUM	2.733E+02	5.495E+02	3.147E+02	1.712E+04	1.857E+03	1.596E+04	2.733E+02	5.495E+02	3.147E+02	1.712E+04	1.852E+03	1.596E+04
Z	11	12	12	8	11	12	11	12	12	8	11	12
Z MAXIMUM	2.020E+02	2.609E+02	2.379E+02	6.065E+03	2.644E+03	5.857E+03	2.020E+02	2.609E+02	2.379E+02	6.065E+03	2.644E+03	5.851E+03
GRAND TOTAL	6.224E+02	8.546E+02	6.587E+02	2.994E+04	6.681E+03	2.828E+04	6.224E+02	8.546E+02	6.587E+02	2.994E+04	6.673E+03	2.828E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 80)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	9	9	8	3	8	32	9	9	8	3	3
X MAXIMUM	1.480E+02	3.528E+02	2.328E+02	1.266E+04	2.872E+03	7.786E+03	1.480E+02	3.528E+02	2.328E+02	1.266E+04	2.497E+03	7.581E+03
Y	9	9	9	8	8	8	9	9	9	8	12	8
Y MAXIMUM	2.057E+02	5.495E+02	3.625E+02	1.994E+04	1.852E+03	1.226E+04	2.057E+02	5.495E+02	3.625E+02	1.994E+04	1.351E+03	1.131E+04
Z	11	12	12	8	11	12	11	12	12	8	11	12
Z MAXIMUM	2.014E+02	2.609E+02	2.039E+02	7.063E+03	2.644E+03	6.642E+03	2.014E+02	2.609E+02	2.039E+02	7.063E+03	2.514E+03	5.183E+03
GRAND TOTAL	5.859E+02	8.546E+02	6.915E+02	3.208E+04	6.673E+03	2.583E+04	5.859E+02	8.546E+02	6.915E+02	3.208E+04	5.495E+03	2.523E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 81)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	32	9	9	8	3	3	9	9	9	8	8	3
X MAXIMUM	1.481E+02	3.528E+02	2.325E+02	1.265E+04	2.497E+03	7.573E+03	3.433E+02	1.555E+02	2.325E+02	9.156E+03	8.135E+03	7.177E+03
Y	9	9	9	8	12	8	9	12	9	8	8	8
Y MAXIMUM	2.064E+02	5.495E+02	3.621E+02	1.991E+04	1.351E+03	1.135E+04	5.347E+02	2.474E+02	3.621E+02	1.442E+04	1.281E+04	9.853E+03
Z	11	12	12	8	11	11	9	12	12	8	8	11
Z MAXIMUM	2.015E+02	2.609E+02	2.043E+02	7.055E+03	2.514E+03	5.178E+03	1.847E+02	3.199E+02	2.043E+02	5.107E+03	4.538E+03	4.066E+03
GRAND TOTAL	5.862E+02	8.546E+02	6.912E+02	3.207E+04	5.495E+03	2.524E+04	7.565E+02	7.083E+02	6.912E+02	2.276E+04	2.272E+04	2.424E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 81)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	32	9	9	8	3
X MAXIMUM	3.526E+02	1.482E+02	2.325E+02	2.467E+03	1.121E+04	6.287E+03
Y	9	9	9	9	8	9
Y MAXIMUM	5.491E+02	2.073E+02	3.621E+02	3.842E+03	1.765E+04	9.771E+03
Z	12	11	12	12	8	9
Z MAXIMUM	2.612E+02	2.013E+02	2.043E+02	3.583E+03	6.254E+03	3.375E+03
GRAND TOTAL	8.545E+02	5.853E+02	6.912E+02	8.360E+03	3.007E+04	2.151E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 82)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	3	9	9	8	9	9	3	9	9	8	9
X MAXIMUM	3.528E+02	1.449E+02	2.581E+02	2.454E+03	1.170E+04	9.774E+03	3.528E+02	1.449E+02	2.581E+02	2.454E+03	1.133E+04	9.917E+03
Y	9	12	9	9	8	9	9	12	9	9	8	9
Y MAXIMUM	5.495E+02	2.165E+02	4.020E+02	3.822E+03	1.842E+04	1.522E+04	5.495E+02	2.165E+02	4.020E+02	3.822E+03	1.784E+04	1.544E+04
Z	12	12	11	12	8	9	12	12	11	12	8	9
Z MAXIMUM	2.609E+02	2.799E+02	1.586E+02	3.585E+03	6.526E+03	5.258E+03	2.609E+02	2.799E+02	1.586E+02	3.585E+03	6.320E+03	5.335E+03
GRAND TOTAL	8.546E+02	5.568E+02	7.151E+02	8.359E+03	2.721E+04	2.503E+04	9.546E+02	5.568E+02	7.151E+02	8.359E+03	2.637E+04	2.475E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 83)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	3	9	9	8	9	9	3	9	9	9	9
X MAXIMUM	3.204E+02	1.514E+02	1.838E+02	2.454E+03	1.133E+04	9.917E+03	3.204E+02	1.514E+02	1.838E+02	2.454E+03	9.315E+03	1.177E+04
Y	9	12	9	9	8	9	9	12	9	9	9	9
Y MAXIMUM	4.989E+02	1.571E+02	2.862E+02	3.822E+03	1.784E+04	1.544E+04	4.989E+02	1.571E+02	2.862E+02	3.822E+03	1.451E+04	1.833E+04
Z	12	12	9	12	8	9	12	12	9	12	9	12
Z MAXIMUM	2.010E+02	2.031E+02	9.884E+01	3.585E+03	6.320E+03	5.335E+03	2.010E+02	2.031E+02	9.884E+01	3.585E+03	5.010E+03	7.449E+03
GRAND TOTAL	7.443E+02	4.722E+02	5.660E+02	8.359E+03	2.637E+04	2.475E+04	7.443E+02	4.722E+02	5.660E+02	8.359E+03	2.129E+04	2.615E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 84)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	9	3	9	9	9	9	8	3	6	12	9
X MAXIMUM	3.204E+02	1.604E+02	1.336E+02	2.454E+03	1.737E+03	1.491E+04	3.400E+02	1.750E+02	1.336E+02	1.569E+03	2.376E+03	1.509E+04
Y	9	9	9	9	12	9	9	8	9	6	12	9
Y MAXIMUM	4.989E+02	2.498E+02	1.548E+02	3.822E+03	2.815E+03	2.322E+04	5.295E+02	2.756E+02	1.548E+02	1.802E+03	4.450E+03	2.349E+04
Z	12	12	12	12	12	9	12	8	12	1	12	9
Z MAXIMUM	2.010E+02	1.859E+02	1.013E+02	3.585E+03	3.640E+03	8.020E+03	2.736E+02	9.764E+01	1.013E+02	1.054E+03	5.754E+03	8.115E+03
GRAND TOTAL	7.443E+02	5.901E+02	4.418E+02	8.359E+03	8.129E+03	3.273E+04	8.117E+02	4.933E+02	4.418E+02	4.871E+03	1.080E+04	3.290E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 84)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	9	3	12	12	9
X MAXIMUM	1.604E+02	3.204E+02	1.336E+02	1.880E+03	1.857E+03	1.347E+04
Y	9	9	9	12	12	9
Y MAXIMUM	2.498E+02	4.989E+02	1.548E+02	3.521E+03	3.478E+03	2.098E+04
Z	12	12	12	12	12	9
Z MAXIMUM	1.859E+02	2.010E+02	1.013E+02	4.552E+03	4.498E+03	7.246E+03
GRAND TOTAL	5.901E+02	7.443E+02	4.418E+02	9.118E+03	8.120E+03	2.941E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 85)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	3	12	12	9	3	9	3	12	12	9
X MAXIMUM	9.997E+01	2.813E+02	1.249E+02	1.880E+03	1.857E+03	1.347E+04	9.997E+01	2.813E+02	1.249E+02	1.880E+03	1.677E+03	1.068E+04
Y	9	9	8	12	12	9	9	9	8	12	12	9
Y MAXIMUM	1.315E+02	4.381E+02	9.698E+01	3.521E+03	3.478E+03	2.098E+04	1.315E+02	4.381E+02	9.698E+01	3.521E+03	3.140E+03	1.664E+04
Z	12	9	11	12	12	9	12	9	11	12	12	9
Z MAXIMUM	1.493E+02	1.513E+02	6.327E+01	4.552E+03	4.498E+03	7.246E+03	1.493E+02	1.513E+02	6.327E+01	4.552E+03	4.060E+03	5.746E+03
GRAND TOTAL	4.275E+02	6.326E+02	2.790E+02	9.118E+03	8.120E+03	2.941E+04	4.275E+02	6.326E+02	2.790E+02	9.118E+03	7.390E+03	2.353E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 86)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	3	9	12	9	12	3	8	9	9	9	12
X MAXIMUM	9.997E+01	1.249E+02	2.813E+02	1.880E+03	1.068E+04	1.677E+03	1.402E+02	8.502E+01	2.813E+02	3.122E+03	9.220E+03	1.571E+03
Y	9	8	9	12	9	12	16	8	9	9	9	12
Y MAXIMUM	1.315E+02	9.698E+01	4.381E+02	3.521E+03	1.664E+04	3.140E+03	1.322E+02	1.339E+02	4.381E+02	4.862E+03	1.436E+04	2.943E+03
Z	12	11	9	12	9	12	15	12	9	11	12	12
Z MAXIMUM	1.493E+02	6.327E+01	1.513E+02	4.552E+03	5.746E+03	4.060E+03	1.252E+02	9.802E+01	1.513E+02	3.095E+03	6.216E+03	3.805E+03
GRAND TOTAL	4.275E+02	2.790E+02	6.326E+02	9.118E+03	2.353E+04	7.390E+03	3.996E+02	3.177E+02	6.326E+02	9.792E+03	2.117E+04	7.168E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 86)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	8	9	9	9	12
X MAXIMUM	1.590E+02	9.548E+01	2.813E+02	6.223E+03	6.350E+03	1.397E+03
Y	16	8	9	9	9	12
Y MAXIMUM	1.199E+02	1.503E+02	4.381E+02	9.691E+03	9.889E+03	2.617E+03
Z	15	12	9	9	12	12
Z MAXIMUM	1.119E+02	1.369E+02	1.513E+02	3.348E+03	6.118E+03	3.384E+03
GRAND TOTAL	3.454E+02	3.759E+02	6.326E+02	1.433E+04	1.623E+04	6.739E+03



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 87)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	8	9	12	9	3	9	8	9	8	9
X MAXIMUM	1.590E+02	2.813E+02	9.547E+01	6.216E+03	1.397E+03	6.356E+03	1.590E+02	2.813E+02	9.547E+01	6.216E+03	4.153E+03	3.352E+03
Y	16	9	8	9	12	9	16	9	8	9	8	9
Y MAXIMUM	1.200E+02	4.381E+02	1.503E+02	9.681E+03	2.617E+03	9.899E+03	1.200E+02	4.381E+02	1.503E+02	9.681E+03	6.539E+03	5.221E+03
Z	15	9	12	9	12	12	15	9	12	9	8	9
Z MAXIMUM	1.120E+02	1.513E+02	1.368E+02	3.344E+03	3.384E+03	6.118E+03	1.120E+02	1.513E+02	1.368E+02	3.344E+03	2.316E+03	1.803E+03
GRAND TOTAL	3.456E+02	6.326E+02	3.757E+02	1.432E+04	6.739E+03	1.624E+04	3.456E+02	6.326E+02	3.757E+02	1.432E+04	1.223E+04	1.145E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 88)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	12	9	8	9	3	9	12	9	8	9
X MAXIMUM	1.673E+02	1.705E+02	6.908E+01	6.216E+03	4.153E+03	3.352E+03	1.673E+02	1.705E+02	6.908E+01	6.216E+03	5.056E+03	7.983E+03
Y	16	9	12	9	8	9	16	9	12	9	8	9
Y MAXIMUM	1.398E+02	2.656E+02	1.294E+02	9.681E+03	6.539E+03	5.221E+03	1.398E+02	2.656E+02	1.294E+02	9.681E+03	7.961E+03	1.243E+04
Z	11	9	12	9	8	9	11	9	12	9	12	9
Z MAXIMUM	1.391E+02	9.173E+01	1.673E+02	3.344E+03	2.316E+03	1.803E+03	1.391E+02	9.173E+01	1.673E+02	3.344E+03	5.881E+03	4.294E+03
GRAND TOTAL	3.580E+02	3.788E+02	3.018E+02	1.432E+04	1.223E+04	1.145E+04	3.580E+02	3.788E+02	3.018E+02	1.432E+04	1.695E+04	1.938E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 89)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	12	9	8	9	3	9	12	9	8	9
X MAXIMUM	1.673E+02	1.851E+02	6.908E+01	6.216E+03	5.056E+03	7.983E+03	1.673E+02	1.851E+02	6.908E+01	6.216E+03	5.917E+03	1.278E+04
Y	16	9	12	9	8	9	16	9	12	9	8	9
Y MAXIMUM	1.398E+02	2.883E+02	1.294E+02	9.681E+03	7.961E+03	1.243E+04	1.398E+02	2.883E+02	1.294E+02	9.681E+03	9.318E+03	1.990E+04
Z	11	9	12	9	12	9	11	9	12	9	12	9
Z MAXIMUM	1.391E+02	9.958E+01	1.673E+02	3.344E+03	5.881E+03	4.294E+03	1.391E+02	9.958E+01	1.673E+02	3.344E+03	1.021E+04	6.873E+03
GRAND TOTAL	3.580E+02	4.119E+02	3.018E+02	1.432E+04	1.695E+04	1.938E+04	3.580E+02	4.119E+02	3.018E+02	1.432E+04	2.332E+04	2.927E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 90)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	32	20	9	8	9	3	32	20	9	12	9
X MAXIMUM	1.752E+02	3.002E+01	7.611E+01	6.216E+03	5.917E+03	1.278E+04	1.752E+02	3.002E+01	7.611E+01	6.216E+03	7.540E+03	1.372E+04
Y	16	39	12	9	8	9	16	39	12	9	12	9
Y MAXIMUM	1.585E+02	3.436E+01	1.201E+02	9.681E+03	9.318E+03	1.990E+04	1.585E+02	3.436E+01	1.201E+02	9.681E+03	1.412E+04	2.136E+04
Z	11	15	12	9	12	9	11	15	12	9	12	9
Z MAXIMUM	2.301E+02	2.158E+01	1.553E+02	3.344E+03	1.021E+04	6.873E+03	2.301E+02	2.158E+01	1.553E+02	3.344E+03	1.826E+04	7.379E+03
GRAND TOTAL	4.845E+02	1.073E+02	3.195E+02	1.432E+04	2.332E+04	2.927E+04	4.845E+02	1.073E+02	3.195E+02	1.432E+04	3.373E+04	3.072E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 91)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	20	9	12	9	3	9	20	9	12	9
X MAXIMUM	1.831E+02	1.622E+02	1.046E+02	6.216E+03	7.540E+03	1.372E+04	1.831E+02	1.622E+02	1.046E+02	6.216E+03	9.176E+03	9.517E+03
Y	12	9	12	9	12	9	12	9	12	9	12	9
Y MAXIMUM	2.141E+02	2.526E+02	1.183E+02	9.681E+03	1.412E+04	2.136E+04	2.141E+02	2.526E+02	1.183E+02	9.681E+03	1.718E+04	1.482E+04
Z	11	9	11	9	12	9	11	9	11	9	12	9
Z MAXIMUM	3.210E+02	8.726E+01	1.624E+02	3.344E+03	1.826E+04	7.379E+03	3.210E+02	8.726E+01	1.624E+02	3.344E+03	2.222E+04	5.119E+03
GRAND TOTAL	6.610E+02	3.692E+02	3.815E+02	1.432E+04	3.373E+04	3.072E+04	6.610E+02	3.692E+02	3.815E+02	1.432E+04	4.057E+04	2.159E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 84)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	9	3	9	9	9	9	8	3	6	12	9
X MAXIMUM	3.204E+02	1.604E+02	1.336E+02	2.454E+03	1.737E+03	1.491E+04	3.400E+02	1.750E+02	1.336E+02	1.569E+03	2.376E+03	1.509E+04
Y	9	9	9	9	12	9	9	8	9	6	12	9
Y MAXIMUM	4.989E+02	2.498E+02	1.548E+02	3.822E+03	2.815E+03	2.322E+04	5.295E+02	2.756E+02	1.548E+02	1.802E+03	4.450E+03	2.349E+04
Z	12	12	12	12	12	9	12	8	12	1	12	9
Z MAXIMUM	2.010E+02	1.859E+02	1.013E+02	3.585E+03	3.640E+03	8.020E+03	2.736E+02	9.764E+01	1.013E+02	1.054E+03	5.754E+03	8.115E+03
GRAND TOTAL	7.443E+02	5.901E+02	4.418E+02	8.359E+03	8.129E+03	3.273E+04	8.117E+02	4.933E+02	4.418E+02	4.871E+03	1.080E+04	3.290E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 84)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	9	3	12	12	9
X MAXIMUM	1.604E+02	3.204E+02	1.336E+02	1.880E+03	1.857E+03	1.347E+04
Y	9	9	9	12	12	9
Y MAXIMUM	2.498E+02	4.989E+02	1.548E+02	3.521E+03	3.478E+03	2.098E+04
Z	12	12	12	12	12	9
Z MAXIMUM	1.859E+02	2.010E+02	1.013E+02	4.552E+03	4.498E+03	7.246E+03
GRAND TOTAL	5.901E+02	7.443E+02	4.418E+02	9.118E+03	8.120E+03	2.941E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 85)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	3	12	12	9	3	9	3	12	12	9
X MAXIMUM	9.997E+01	2.813E+02	1.249E+02	1.880E+03	1.857E+03	1.347E+04	9.997E+01	2.813E+02	1.249E+02	1.880E+03	1.677E+03	1.068E+04
Y	9	9	8	12	12	9	9	9	8	12	12	9
Y MAXIMUM	1.315E+02	4.381E+02	9.698E+01	3.521E+03	3.478E+03	2.098E+04	1.315E+02	4.381E+02	9.698E+01	3.521E+03	3.140E+03	1.664E+04
Z	12	9	11	12	12	9	12	9	11	12	12	9
Z MAXIMUM	1.493E+02	1.513E+02	6.327E+01	4.552E+03	4.498E+03	7.246E+03	1.493E+02	1.513E+02	6.327E+01	4.552E+03	4.060E+03	5.746E+03
GRAND TOTAL	4.275E+02	6.326E+02	2.790E+02	9.118E+03	8.120E+03	2.941E+04	4.275E+02	6.326E+02	2.790E+02	9.118E+03	7.390E+03	2.353E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 86)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	3	9	12	9	12	3	8	9	9	9	12
X MAXIMUM	9.997E+01	1.249E+02	2.813E+02	1.880E+03	1.068E+04	1.677E+03	1.402E+02	8.502E+01	2.813E+02	3.122E+03	9.220E+03	1.571E+03
Y	9	8	9	12	9	12	16	8	9	9	9	12
Y MAXIMUM	1.315E+02	9.698E+01	4.381E+02	3.521E+03	1.664E+04	3.140E+03	1.322E+02	1.339E+02	4.381E+02	4.862E+03	1.436E+04	2.943E+03
Z	12	11	9	12	9	12	15	12	9	11	12	12
Z MAXIMUM	1.493E+02	6.327E+01	1.513E+02	4.552E+03	5.746E+03	4.060E+03	1.252E+02	9.802E+01	1.513E+02	3.095E+03	6.216E+03	3.805E+03
GRAND TOTAL	4.275E+02	2.790E+02	6.326E+02	9.118E+03	2.353E+04	7.390E+03	3.996E+02	3.177E+02	6.326E+02	9.792E+03	2.117E+04	7.162E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 86)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	8	9	9	9	12
X MAXIMUM	1.590E+02	9.548E+01	2.813E+02	6.223E+03	6.350E+03	1.397E+03
Y	16	8	9	9	9	12
Y MAXIMUM	1.199E+02	1.503E+02	4.381E+02	9.691E+03	9.889E+03	2.617E+03
Z	15	12	9	9	12	12
Z MAXIMUM	1.119E+02	1.369E+02	1.513E+02	3.348E+03	6.118E+03	3.384E+03
GRAND TOTAL	3.454E+02	3.759E+02	6.326E+02	1.433E+04	1.623E+04	6.739E+03



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 84)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	9	3	9	9	9	9	8	3	6	12	9
X MAXIMUM	3.204E+02	1.604E+02	1.336E+02	2.454E+03	1.737E+03	1.491E+04	3.400E+02	1.750E+02	1.336E+02	1.569E+03	2.376E+03	1.509E+04
Y	9	9	9	9	12	9	9	8	9	6	12	9
Y MAXIMUM	4.989E+02	2.498E+02	1.548E+02	3.822E+03	2.815E+03	2.322E+04	5.295E+02	2.756E+02	1.548E+02	1.802E+03	4.450E+03	2.349E+04
Z	12	12	12	12	12	9	12	8	12	1	12	9
Z MAXIMUM	2.010E+02	1.859E+02	1.013E+02	3.585E+03	3.640E+03	8.020E+03	2.736E+02	9.764E+01	1.013E+02	1.054E+03	5.754E+03	8.115E+03
GRAND TOTAL	7.443E+02	5.901E+02	4.418E+02	8.359E+03	8.129E+03	3.273E+04	8.117E+02	4.933E+02	4.418E+02	4.871E+03	1.080E+04	3.290E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 84)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	9	3	12	12	9
X MAXIMUM	1.604E+02	3.204E+02	1.336E+02	1.880E+03	1.857E+03	1.347E+04
Y	9	9	9	12	12	9
Y MAXIMUM	2.498E+02	4.989E+02	1.548E+02	3.521E+03	3.478E+03	2.098E+04
Z	12	12	12	12	12	9
Z MAXIMUM	1.859E+02	2.010E+02	1.013E+02	4.552E+03	4.498E+03	7.246E+03
GRAND TOTAL	5.901E+02	7.443E+02	4.418E+02	9.118E+03	8.120E+03	2.941E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 85)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	3	12	12	9	3	9	3	12	12	9
X MAXIMUM	9.997E+01	2.813E+02	1.249E+02	1.880E+03	1.857E+03	1.347E+04	9.997E+01	2.313E+02	1.249E+02	1.880E+03	1.677E+03	1.068E+04
Y	9	9	8	12	12	9	9	9	8	12	12	9
Y MAXIMUM	1.315E+02	4.381E+02	9.698E+01	3.521E+03	3.478E+03	2.098E+04	1.315E+02	4.381E+02	9.698E+01	3.521E+03	3.140E+03	1.664E+04
Z	12	9	11	12	12	9	12	9	11	12	12	9
Z MAXIMUM	1.493E+02	1.513E+02	6.327E+01	4.552E+03	4.498E+03	7.246E+03	1.493E+02	1.513E+02	6.327E+01	4.552E+03	4.060E+03	5.746E+03
GRAND TOTAL	4.275E+02	6.326E+02	2.790E+02	9.118E+03	8.120E+03	2.941E+04	4.275E+02	6.326E+02	2.790E+02	9.118E+03	7.390E+03	2.353E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 86)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	3	9	12	9	12	3	8	9	9	9	12
X MAXIMUM	9.997E+01	1.249E+02	2.813E+02	1.880E+03	1.068E+04	1.677E+03	1.402E+02	8.502E+01	2.813E+02	3.122E+03	9.220E+03	1.571E+03
Y	9	8	9	12	9	12	16	8	9	9	9	12
Y MAXIMUM	1.315E+02	9.698E+01	4.381E+02	3.521E+03	1.664E+04	3.140E+03	1.322E+02	1.339E+02	4.381E+02	4.862E+03	1.436E+04	2.943E+03
Z	12	11	9	12	9	12	15	12	9	11	12	12
Z MAXIMUM	1.493E+02	6.327E+01	1.513E+02	4.552E+03	5.746E+03	4.060E+03	1.252E+02	9.802E+01	1.513E+02	3.095E+03	6.216E+03	3.805E+03
GRAND TOTAL	4.275E+02	2.790E+02	6.326E+02	9.118E+03	2.353E+04	7.390E+03	3.996E+02	3.177E+02	6.326E+02	9.792E+03	2.117E+04	7.168E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 86)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	8	9	9	9	12
X MAXIMUM	1.590E+02	9.548E+01	2.813E+02	6.223E+03	6.350E+03	1.397E+03
Y	16	8	9	9	9	12
Y MAXIMUM	1.199E+02	1.503E+02	4.381E+02	9.691E+03	9.889E+03	2.617E+03
Z	15	12	9	9	12	12
Z MAXIMUM	1.119E+02	1.369E+02	1.513E+02	3.348E+03	6.118E+03	3.384E+03
GRAND TOTAL	3.454E+02	3.759E+02	6.326E+02	1.433E+04	1.623E+04	6.739E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 87)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	8	9	12	9	3	9	8	9	8	9
X MAXIMUM	1.590E+02	2.813E+02	9.547E+01	6.216E+03	1.397E+03	6.356E+03	1.590E+02	2.813E+02	9.547E+01	6.216E+03	4.153E+03	3.352E+03
Y	16	9	8	9	12	9	16	9	8	9	8	9
Y MAXIMUM	1.200E+02	4.381E+02	1.503E+02	9.681E+03	2.617E+03	9.899E+03	1.200E+02	4.381E+02	1.503E+02	9.681E+03	6.539E+03	5.221E+03
Z	15	9	12	9	12	12	15	9	12	9	8	9
Z MAXIMUM	1.120E+02	1.513E+02	1.368E+02	3.344E+03	3.384E+03	6.118E+03	1.120E+02	1.513E+02	1.368E+02	3.344E+03	2.316E+03	1.803E+03
GRAND TOTAL	3.456E+02	6.326E+02	3.757E+02	1.432E+04	6.739E+03	1.624E+04	3.456E+02	6.326E+02	3.757E+02	1.432E+04	1.223E+04	1.145E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 88)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	12	9	8	9	3	9	12	9	8	9
X MAXIMUM	1.673E+02	1.705E+02	6.908E+01	6.216E+03	4.153E+03	3.352E+03	1.673E+02	1.705E+02	6.908E+01	6.216E+03	5.056E+03	7.983E+03
Y	16	9	12	9	8	9	16	9	12	9	8	9
Y MAXIMUM	1.398E+02	2.656E+02	1.294E+02	9.681E+03	6.539E+03	5.221E+03	1.398E+02	2.656E+02	1.294E+02	9.681E+03	7.961E+03	1.243E+04
Z	11	9	12	9	8	9	11	9	12	9	12	9
Z MAXIMUM	1.391E+02	9.173E+01	1.673E+02	3.344E+03	2.316E+03	1.803E+03	1.391E+02	9.173E+01	1.673E+02	3.344E+03	5.881E+03	4.294E+03
GRAND TOTAL	3.580E+02	3.788E+02	3.018E+02	1.432E+04	1.223E+04	1.145E+04	3.580E+02	3.788E+02	3.018E+02	1.432E+04	1.695E+04	1.938E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 89)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	12	9	8	9	3	9	12	9	8	9
X MAXIMUM	1.673E+02	1.851E+02	6.908E+01	6.216E+03	5.056E+03	7.983E+03	1.673E+02	1.851E+02	6.908E+01	6.216E+03	5.917E+03	1.278E+04
Y	16	9	12	9	8	9	16	9	12	9	8	9
Y MAXIMUM	1.398E+02	2.883E+02	1.294E+02	9.681E+03	7.961E+03	1.243E+04	1.398E+02	2.883E+02	1.294E+02	9.681E+03	9.318E+03	1.990E+04
Z	11	9	12	9	12	9	11	9	12	9	12	9
Z MAXIMUM	1.391E+02	9.958E+01	1.673E+02	3.344E+03	5.881E+03	4.294E+03	1.391E+02	9.958E+01	1.673E+02	3.344E+03	1.021E+04	6.873E+03
GRAND TOTAL	3.580E+02	4.119E+02	3.018E+02	1.432E+04	1.695E+04	1.938E+04	3.580E+02	4.119E+02	3.018E+02	1.432E+04	2.332E+04	2.927E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 90)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	32	20	9	8	9	3	32	20	9	12	9
X MAXIMUM	1.752E+02	3.002E+01	7.611E+01	6.216E+03	5.917E+03	1.278E+04	1.752E+02	3.002E+01	7.611E+01	6.216E+03	7.540E+03	1.372E+04
Y	16	39	12	9	8	9	16	39	12	9	12	9
Y MAXIMUM	1.585E+02	3.436E+01	1.201E+02	9.681E+03	9.318E+03	1.990E+04	1.585E+02	3.436E+01	1.201E+02	9.681E+03	1.412E+04	2.136E+04
Z	11	15	12	9	12	9	11	15	12	9	12	9
Z MAXIMUM	2.301E+02	2.158E+01	1.553E+02	3.344E+03	1.021E+04	6.873E+03	2.301E+02	2.158E+01	1.553E+02	3.344E+03	1.826E+04	7.379E+03
GRAND TOTAL	4.845E+02	1.073E+02	3.195E+02	1.432E+04	2.332E+04	2.927E+04	4.845E+02	1.073E+02	3.195E+02	1.432E+04	3.373E+04	3.072E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 91)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	20	9	12	9	3	9	20	9	12	9
X MAXIMUM	1.831E+02	1.622E+02	1.046E+02	6.216E+03	7.540E+03	1.372E+04	1.831E+02	1.622E+02	1.046E+02	6.216E+03	9.176E+03	9.517E+03
Y	12	9	12	9	12	9	12	9	12	9	12	9
Y MAXIMUM	2.141E+02	2.526E+02	1.183E+02	9.681E+03	1.412E+04	2.136E+04	2.141E+02	2.526E+02	1.183E+02	9.681E+03	1.718E+04	1.482E+04
Z	11	9	11	9	12	9	11	9	11	9	12	9
Z MAXIMUM	3.210E+02	8.726E+01	1.624E+02	3.344E+03	1.826E+04	7.379E+03	3.210E+02	8.726E+01	1.624E+02	3.344E+03	2.222E+04	5.119E+03
GRAND TOTAL	6.610E+02	2.692E+02	3.815E+02	1.432E+04	3.373E+04	3.072E+04	6.610E+02	2.692E+02	3.815E+02	1.432E+04	4.057E+04	2.159E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 92)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	12	9	12	9	3	9	12	9	6	9
X MAXIMUM	1.831E+02	1.622E+02	2.052E+02	6.216E+03	9.176E+03	9.517E+03	1.831E+02	1.622E+02	2.052E+02	6.216E+03	3.764E+03	2.531E+03
Y	12	9	12	9	12	9	12	9	12	9	6	9
Y MAXIMUM	2.141E+02	2.526E+02	3.844E+02	9.681E+03	1.718E+04	1.482E+04	2.141E+02	2.526E+02	3.844E+02	9.681E+03	4.325E+03	3.941E+03
Z	11	9	12	9	12	9	11	9	12	9	11	1
Z MAXIMUM	3.210E+02	8.726E+01	4.970E+02	3.344E+03	2.222E+04	5.119E+03	3.210E+02	8.726E+01	4.970E+02	3.344E+03	3.896E+03	2.378E+03
GRAND TOTAL	6.610E+02	3.692E+02	1.032E+03	1.432E+04	4.057E+04	2.159E+04	6.610E+02	3.692E+02	1.032E+03	1.432E+04	1.419E+04	8.755E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 93)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	6	9	6	9	3	9	6	9	6	6
X MAXIMUM	1.961E+02	3.716E+02	1.761E+02	6.216E+03	3.764E+03	2.531E+03	1.961E+02	3.716E+02	1.761E+02	6.216E+03	5.161E+03	1.529E+03
Y	12	9	12	9	6	9	12	9	12	9	6	6
Y MAXIMUM	3.619E+02	5.787E+02	2.031E+02	9.681E+03	4.325E+03	3.941E+03	3.619E+02	5.787E+02	2.031E+02	9.681E+03	5.930E+03	1.757E+03
Z	11	9	12	9	11	1	11	9	12	9	15	1
Z MAXIMUM	4.718E+02	1.999E+02	2.626E+02	3.344E+03	3.896E+03	2.378E+03	4.718E+02	1.999E+02	2.626E+02	3.344E+03	4.384E+03	2.401E+03
GRAND TOTAL	9.920E+02	8.244E+02	6.089E+02	1.432E+04	1.419E+04	8.755E+03	9.920E+02	8.244E+02	6.089E+02	1.432E+04	1.688E+04	5.568E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 94)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	6	9	9	6	6	3	12	9	9	6	6
X MAXIMUM	1.961E+02	1.761E+02	3.716E+02	6.216E+03	1.529E+03	5.161E+03	1.356E+02	2.133E+02	3.716E+02	5.670E+03	2.609E+03	6.244E+03
Y	12	12	9	9	6	6	16	12	9	9	6	6
Y MAXIMUM	3.619E+02	2.031E+02	5.787E+02	9.681E+03	1.757E+03	5.930E+03	2.311E+02	3.995E+02	5.787E+02	8.830E+03	2.998E+03	7.174E+03
Z	11	12	9	9	1	15	11	12	9	9	1	15
Z MAXIMUM	4.718E+02	2.626E+02	1.999E+02	3.344E+03	2.401E+03	4.384E+03	2.007E+02	5.166E+02	1.999E+02	3.050E+03	3.760E+03	4.601E+03
GRAND TOTAL	9.920E+02	6.089E+02	8.244E+02	1.432E+04	5.568E+03	1.688E+04	6.138E+02	9.890E+02	8.244E+02	1.171E+04	8.621E+03	1.975E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 94)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	3	9	9	9	6
X MAXIMUM	1.761E+02	1.961E+02	3.716E+02	3.761E+03	2.872E+03	6.617E+03
Y	12	12	9	9	9	8
Y MAXIMUM	2.031E+02	3.619E+02	5.787E+02	5.857E+03	4.473E+03	8.652E+03
Z	12	11	9	1	1	12
Z MAXIMUM	2.626E+02	4.718E+02	1.999E+02	2.427E+03	2.916E+03	7.843E+03
GRAND TOTAL	6.089E+02	9.920E+02	8.244E+02	9.098E+03	8.589E+03	2.282E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 95)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	9	3	9	6	9	6	9	3	9	6	6
X MAXIMUM	1.761E+02	3.716E+02	1.961E+02	3.761E+03	6.617E+03	2.872E+03	1.761E+02	3.716E+02	1.961E+02	3.761E+03	6.531E+03	1.901E+03
Y	12	9	12	9	8	9	12	9	12	9	8	6
Y MAXIMUM	2.031E+02	5.787E+02	3.619E+02	5.857E+03	8.652E+03	4.473E+03	2.031E+02	5.787E+02	3.619E+02	5.857E+03	9.755E+03	2.184E+03
Z	12	9	11	1	12	1	12	9	11	1	12	1
Z MAXIMUM	2.626E+02	1.999E+02	4.718E+02	2.427E+03	7.843E+03	2.916E+03	2.626E+02	1.999E+02	4.718E+02	2.427E+03	1.065E+04	2.934E+03
GRAND TOTAL	6.089E+02	8.244E+02	9.920E+02	9.098E+03	2.282E+04	8.589E+03	6.089E+02	8.244E+02	9.920E+02	9.098E+03	2.579E+04	6.890E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 96)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	9	6	9	6	6	6	9	6	9	6	9
X MAXIMUM	1.761E+02	3.257E+02	1.631E+02	3.761E+03	6.531E+03	1.901E+03	1.761E+02	3.257E+02	1.631E+02	3.761E+03	8.978E+03	4.243E+03
Y	12	9	9	9	8	6	12	9	9	9	6	9
Y MAXIMUM	2.031E+02	5.072E+02	2.290E+02	5.857E+03	9.755E+03	2.184E+03	2.031E+02	5.072E+02	2.290E+02	5.857E+03	1.032E+04	6.608E+03
Z	12	9	12	1	12	1	12	9	12	1	12	1
Z MAXIMUM	2.626E+02	1.752E+02	1.209E+02	2.427E+03	1.065E+04	2.934E+03	2.626E+02	1.752E+02	1.209E+02	2.427E+03	8.836E+03	3.014E+03
GRAND TOTAL	6.089E+02	8.005E+02	4.854E+02	9.098E+03	2.579E+04	6.890E+03	6.089E+02	8.005E+02	4.854E+02	9.098E+03	2.398E+04	1.323E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 97)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	9	6	9	6	9	6	9	6	9	6	9
X MAXIMUM	1.761E+02	1.263E+02	1.631E+02	3.761E+03	8.978E+03	4.243E+03	1.761E+02	1.263E+02	1.631E+02	3.761E+03	1.240E+04	6.895E+03
Y	12	9	9	9	6	9	12	9	9	9	6	9
Y MAXIMUM	2.031E+02	1.966E+02	2.290E+02	5.857E+03	1.032E+04	6.608E+03	2.031E+02	1.966E+02	2.290E+02	5.857E+03	1.425E+04	1.074E+04
Z	12	9	12	1	12	1	12	9	12	1	12	9
Z MAXIMUM	2.626E+02	6.791E+01	1.209E+02	2.427E+03	8.836E+03	3.014E+03	2.626E+02	6.791E+01	1.209E+02	2.427E+03	6.296E+03	3.709E+03
GRAND TOTAL	6.089E+02	3.867E+02	4.854E+02	9.098E+03	2.398E+04	1.323E+04	6.089E+02	3.867E+02	4.854E+02	9.098E+03	2.505E+04	1.771E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 98)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	6	6	9	9	9	6	6	9	9	9	8	6
X MAXIMUM	1.761E+02	1.631E+02	1.263E+02	3.761E+03	6.895E+03	1.240E+04	2.399E+02	1.153E+02	1.263E+02	7.867E+03	3.054E+03	1.298E+04
Y	12	9	9	9	9	6	6	12	9	9	8	6
Y MAXIMUM	2.031E+02	2.290E+02	1.966E+02	5.857E+03	1.074E+04	1.425E+04	2.756E+02	2.097E+02	1.966E+02	1.225E+04	4.809E+03	1.491E+04
Z	12	12	9	1	9	12	11	12	9	9	8	11
Z MAXIMUM	2.626E+02	1.209E+02	6.791E+01	2.427E+03	3.709E+03	6.296E+03	1.305E+02	2.712E+02	6.791E+01	4.232E+03	1.703E+03	5.725E+03
GRAND TOTAL	6.089E+02	4.854E+02	3.867E+02	9.098E+03	1.771E+04	2.505E+04	4.952E+02	6.010E+02	3.867E+02	1.882E+04	1.010E+04	2.496E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 98)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	6	9	9	9	6
X MAXIMUM	1.631E+02	1.761E+02	1.263E+02	8.031E+03	2.625E+03	1.229E+04
Y	9	12	9	9	9	6
Y MAXIMUM	2.290E+02	2.031E+02	1.966E+02	1.251E+04	4.088E+03	1.412E+04
Z	12	12	9	9	1	11
Z MAXIMUM	1.209E+02	2.626E+02	6.791E+01	4.320E+03	2.357E+03	4.520E+03
GRAND TOTAL	4.854E+02	6.089E+02	3.867E+02	2.033E+04	8.008E+03	2.297E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 99)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	9	6	9	6	9	6	9	6	9	6	17
X MAXIMUM	1.631E+02	1.263E+02	1.761E+02	8.031E+03	1.229E+04	2.625E+03	1.631E+02	1.263E+02	1.761E+02	8.031E+03	9.927E+03	2.369E+03
Y	9	9	12	9	6	9	9	9	12	9	6	17
Y MAXIMUM	2.290E+02	1.966E+02	2.031E+02	1.251E+04	1.412E+04	4.088E+03	2.290E+02	1.966E+02	2.031E+02	1.251E+04	1.141E+04	4.487E+03
Z	12	9	12	9	11	1	12	9	12	9	15	1
Z MAXIMUM	1.209E+02	6.791E+01	2.626E+02	4.320E+03	4.520E+03	2.357E+03	1.209E+02	6.791E+01	2.626E+02	4.320E+03	2.878E+03	2.254E+03
GRAND TOTAL	4.854E+02	3.867E+02	6.089E+02	2.033E+04	2.297E+04	8.008E+03	4.854E+02	3.867E+02	6.089E+02	2.033E+04	1.904E+04	9.016E+03



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 100)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	33	6	9	6	17	9	33	6	9	1	9
X MAXIMUM	1.614E+02	2.171E+01	1.391E+02	8.031E+03	9.927E+03	2.369E+03	1.614E+02	2.171E+01	1.391E+02	8.031E+03	6.231E+03	2.078E+03
Y	9	16	6	9	6	17	9	16	6	9	6	9
Y MAXIMUM	2.513E+02	2.997E+01	1.598E+02	1.251E+04	1.141E+04	4.487E+03	2.513E+02	2.997E+01	1.598E+02	1.251E+04	4.114E+03	3.236E+03
Z	12	15	1	9	15	1	12	15	1	9	1	12
Z MAXIMUM	1.521E+02	2.086E+01	1.218E+02	4.320E+03	2.878E+03	2.254E+03	1.521E+02	2.086E+01	1.218E+02	4.320E+03	1.130E+04	1.522E+03
GRAND TOTAL	5.785E+02	8.682E+01	2.982E+02	2.033E+04	1.904E+04	9.016E+03	5.785E+02	8.682E+01	2.982E+02	2.033E+04	1.578E+04	7.971E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 101)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	17	1	9	1	9	9	17	1	9	1	9
X MAXIMUM	1.755E+02	5.446E+01	6.708E+01	8.031E+03	6.231E+03	2.078E+03	1.755E+02	5.446E+01	6.708E+01	8.031E+03	8.338E+03	3.645E+03
Y	9	17	26	9	6	9	9	17	26	9	6	9
Y MAXIMUM	2.733E+02	1.032E+02	4.974E+01	1.251E+04	4.114E+03	3.236E+03	2.733E+02	1.032E+02	4.974E+01	1.251E+04	3.796E+03	5.676E+03
Z	15	17	1	9	1	12	15	17	1	9	1	15
Z MAXIMUM	2.257E+02	4.724E+01	1.216E+02	4.320E+03	1.130E+04	1.522E+03	2.257E+02	4.724E+01	1.216E+02	4.320E+03	1.512E+04	2.040E+03
GRAND TOTAL	7.454E+02	2.608E+02	1.961E+02	2.033E+04	1.578E+04	7.971E+03	7.454E+02	2.608E+02	1.961E+02	2.033E+04	1.955E+04	9.938E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 102)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	17	1	9	1	9	9	6	1	1	9	9
X MAXIMUM	1.755E+02	5.446E+01	6.708E+01	8.031E+03	8.338E+03	3.645E+03	1.594E+02	1.224E+02	6.708E+01	7.338E+03	6.361E+03	3.500E+03
Y	9	17	26	9	6	9	9	17	26	9	6	9
Y MAXIMUM	2.733E+02	1.032E+02	4.974E+01	1.251E+04	3.796E+03	5.676E+03	2.482E+02	1.873E+02	4.974E+01	7.695E+03	9.905E+03	5.450E+03
Z	15	17	1	9	1	15	15	15	1	1	1	9
Z MAXIMUM	2.257E+02	4.724E+01	1.216E+02	4.320E+03	1.512E+04	2.040E+03	1.829E+02	1.363E+02	1.216E+02	1.331E+04	9.170E+03	1.883E+03
GRAND TOTAL	7.454E+02	2.608E+02	1.961E+02	2.033E+04	1.955E+04	9.938E+03	5.973E+02	5.165E+02	1.961E+02	2.126E+04	1.930E+04	1.004E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 102)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	17	9	1	1	9	6
X MAXIMUM	5.446E+01	1.755E+02	6.708E+01	8.942E+03	7.896E+03	2.991E+03
Y	17	9	26	6	9	9
Y MAXIMUM	1.032E+02	2.733E+02	4.974E+01	3.705E+03	1.230E+04	3.916E+03
Z	17	15	1	1	9	17
Z MAXIMUM	4.724E+01	2.257E+02	1.216E+02	1.622E+04	4.248E+03	1.390E+03
GRAND TOTAL	2.608E+02	7.454E+02	1.961E+02	2.084E+04	1.977E+04	9.498E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 103)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	17	9	1	1	9	6	17	9	1	1	9	6
X MAXIMUM	5.446E+01	1.755E+02	6.708E+01	8.942E+03	7.896E+03	2.991E+03	5.446E+01	1.755E+02	6.708E+01	8.942E+03	7.851E+03	3.444E+03
Y	17	9	26	6	9	9	17	9	26	6	9	6
Y MAXIMUM	1.032E+02	2.733E+02	4.974E+01	3.705E+03	1.230E+04	3.916E+03	1.032E+02	2.733E+02	4.974E+01	3.705E+03	1.223E+04	3.957E+03
Z	17	15	1	1	9	17	17	15	1	1	9	17
Z MAXIMUM	4.724E+01	2.257E+02	1.216E+02	1.622E+04	4.248E+03	1.390E+03	4.724E+01	2.257E+02	1.216E+02	1.622E+04	4.223E+03	1.612E+03
GRAND TOTAL	2.608E+02	7.454E+02	1.961E+02	2.084E+04	1.977E+04	9.498E+03	2.608E+02	7.454E+02	1.961E+02	2.084E+04	1.961E+04	9.786E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 104)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	17	18	1	1	9	6	17	18	1	1	9	6
X MAXIMUM	5.446E+01	5.518E+01	6.301E+01	8.942E+03	7.851E+03	3.444E+03	5.446E+01	5.518E+01	6.301E+01	8.942E+03	7.991E+03	2.723E+03
Y	17	16	16	6	9	6	17	16	16	6	9	9
Y MAXIMUM	1.032E+02	5.386E+01	5.840E+01	3.705E+03	1.223E+04	3.957E+03	1.032E+02	5.386E+01	5.840E+01	3.705E+03	1.244E+04	3.148E+03
Z	17	1	1	1	9	17	17	1	1	1	9	1
Z MAXIMUM	4.724E+01	7.020E+01	1.143E+02	1.622E+04	4.223E+03	1.612E+03	4.724E+01	7.020E+01	1.143E+02	1.622E+04	4.298E+03	3.010E+03
GRAND TOTAL	2.608E+02	2.127E+02	2.114E+02	2.084E+04	1.961E+04	9.786E+03	2.608E+02	2.127E+02	2.114E+02	2.084E+04	2.081E+04	1.081E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 105)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	1	9	1	9	6	18	1	9	1	6	1
X MAXIMUM	6.874E+01	4.034E+01	1.043E+02	8.942E+03	7.991E+03	2.723E+03	6.874E+01	4.034E+01	1.043E+02	8.942E+03	7.742E+03	5.091E+03
Y	17	6	9	6	9	9	17	6	9	6	6	39
Y MAXIMUM	1.127E+02	3.221E+01	1.624E+02	3.705E+03	1.244E+04	3.148E+03	1.127E+02	3.221E+01	1.624E+02	3.705E+03	8.895E+03	1.453E+03
Z	17	1	1	1	9	1	17	1	1	1	1	1
Z MAXIMUM	5.159E+01	7.315E+01	9.924E+01	1.622E+04	4.298E+03	3.010E+03	5.159E+01	7.315E+01	9.924E+01	1.622E+04	1.152E+04	9.233E+03
GRAND TOTAL	3.145E+02	1.267E+02	3.230E+02	2.084E+04	2.081E+04	1.081E+04	3.145E+02	1.267E+02	3.230E+02	2.084E+04	2.017E+04	1.309E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 106)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	9	1	6	1	18	18	9	1	6	1
X MAXIMUM	9.291E+01	8.631E+01	1.381E+02	8.942E+03	7.742E+03	5.091E+03	9.291E+01	8.631E+01	1.381E+02	8.942E+03	9.322E+03	5.733E+03
Y	39	23	9	6	6	39	39	23	9	6	6	1
Y MAXIMUM	1.301E+02	6.408E+01	2.150E+02	3.705E+03	8.895E+03	1.453E+03	1.301E+02	6.408E+01	2.150E+02	3.705E+03	1.071E+04	1.574E+03
Z	17	1	12	1	1	1	17	1	12	1	1	1
Z MAXIMUM	5.584E+01	8.687E+01	8.310E+01	1.622E+04	1.152E+04	9.233E+03	5.584E+01	8.687E+01	8.310E+01	1.622E+04	1.225E+04	1.040E+04
GRAND TOTAL	3.737E+02	2.707E+02	4.493E+02	2.084E+04	2.017E+04	1.309E+04	3.737E+02	2.707E+02	4.493E+02	2.084E+04	2.333E+04	1.379E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 107)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	18	9	18	1	1	6	18	9	18	1	6	6
X MAXIMUM	9.291E+01	1.381E+02	8.631E+01	8.942E+03	5.733E+03	9.322E+03	1.627E+02	1.487E+02	8.631E+01	1.050E+04	2.607E+03	1.005E+04
Y	39	9	23	6	1	6	6	9	23	1	6	6
Y MAXIMUM	1.301E+02	2.150E+02	6.408E+01	3.705E+03	1.574E+03	1.071E+04	1.019E+02	2.316E+02	6.408E+01	2.884E+03	2.996E+03	1.155E+04
Z	17	12	1	1	1	1	18	15	1	1	1	1
Z MAXIMUM	5.584E+01	8.310E+01	8.687E+01	1.622E+04	1.040E+04	1.225E+04	5.331E+01	8.946E+01	8.687E+01	1.905E+04	3.562E+03	1.257E+04
GRAND TOTAL	3.737E+02	4.493E+02	2.707E+02	2.084E+04	1.379E+04	2.333E+04	3.319E+02	4.810E+02	2.707E+02	2.420E+04	6.763E+03	2.524E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 107)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	18	18	1	1	6
X MAXIMUM	1.381E+02	9.291E+01	8.631E+01	6.164E+03	8.511E+03	1.032E+04
Y	9	39	23	1	6	6
Y MAXIMUM	2.150E+02	1.301E+02	6.408E+01	1.693E+03	4.075E+03	1.185E+04
Z	12	17	1	1	1	1
Z MAXIMUM	8.310E+01	5.584E+01	8.687E+01	1.118E+04	1.543E+04	1.264E+04
GRAND TOTAL	4.493E+02	3.737E+02	2.707E+02	1.475E+04	2.000E+04	2.637E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 108)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	18	18	1	1	6	9	18	18	1	1	6
X MAXIMUM	1.381E+02	9.291E+01	8.631E+01	6.164E+03	8.511E+03	1.032E+04	1.381E+02	9.291E+01	8.631E+01	6.164E+03	8.367E+03	1.030E+04
Y	9	39	23	1	6	6	9	39	23	1	6	6
Y MAXIMUM	2.150E+02	1.301E+02	6.408E+01	1.693E+03	4.075E+03	1.185E+04	2.150E+02	1.301E+02	6.408E+01	1.693E+03	4.198E+03	1.183E+04
Z	12	17	1	1	1	1	12	17	1	1	1	1
Z MAXIMUM	8.310E+01	5.584E+01	8.687E+01	1.118E+04	1.543E+04	1.264E+04	8.310E+01	5.584E+01	8.687E+01	1.118E+04	1.517E+04	1.260E+04
GRAND TOTAL	4.493E+02	3.737E+02	2.707E+02	1.475E+04	2.000E+04	2.637E+04	4.493E+02	3.737E+02	2.707E+02	1.475E+04	1.977E+04	2.657E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 109)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	2	18	1	1	6	9	2	18	1	1	6
X MAXIMUM	1.381E+02	1.727E+02	8.631E+01	6.164E+03	8.367E+03	1.030E+04	1.381E+02	1.727E+02	8.631E+01	6.164E+03	7.792E+03	9.278E+03
Y	9	29	23	1	6	6	9	29	23	1	6	6
Y MAXIMUM	2.150E+02	1.097E+02	6.408E+01	1.693E+03	4.198E+03	1.183E+04	2.150E+02	1.097E+02	6.408E+01	1.693E+03	4.691E+03	1.066E+04
Z	12	2	1	1	1	1	12	2	1	1	1	1
Z MAXIMUM	8.310E+01	1.389E+02	8.687E+01	1.118E+04	1.517E+04	1.260E+04	8.310E+01	1.389E+02	8.687E+01	1.118E+04	1.413E+04	1.260E+04
GRAND TOTAL	4.493E+02	4.397E+02	2.707E+02	1.475E+04	1.977E+04	2.657E+04	4.493E+02	4.397E+02	2.707E+02	1.475E+04	1.920E+04	2.439E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 110)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	18	18	1	1	6	9	18	18	1	2	18
X MAXIMUM	1.381E+02	1.772E+02	1.086E+02	6.164E+03	7.792E+03	9.278E+03	1.381E+02	1.772E+02	1.086E+02	6.164E+03	6.185E+03	7.924E+03
Y	9	26	36	1	6	6	9	26	36	1	36	6
Y MAXIMUM	2.150E+02	7.131E+01	1.246E+02	1.693E+03	4.691E+03	1.066E+04	2.150E+02	7.131E+01	1.246E+02	1.693E+03	5.643E+03	7.289E+03
Z	12	2	1	1	1	1	12	2	1	1	2	1
Z MAXIMUM	8.310E+01	1.029E+02	1.914E+02	1.118E+04	1.413E+04	1.260E+04	8.310E+01	1.029E+02	1.914E+02	1.118E+04	4.973E+03	9.862E+03
GRAND TOTAL	4.493E+02	3.843E+02	3.291E+02	1.475E+04	1.920E+04	2.439E+04	4.493E+02	3.843E+02	3.291E+02	1.475E+04	1.636E+04	2.259E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 111)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	2	1	1	2	18	18	2	1	1	2	2
X MAXIMUM	3.458E+02	1.196E+02	7.439E+01	6.164E+03	6.185E+03	7.924E+03	3.458E+02	1.196E+02	7.439E+01	6.164E+03	1.281E+04	1.480E+04
Y	9	6	36	1	36	6	9	6	36	1	5	5
Y MAXIMUM	2.354E+02	8.748E+01	7.567E+01	1.693E+03	5.643E+03	7.289E+03	2.354E+02	8.748E+01	7.567E+01	1.693E+03	2.171E+03	7.703E+03
Z	18	2	1	1	2	1	18	2	1	1	2	2
Z MAXIMUM	1.133E+02	9.616E+01	1.349E+02	1.118E+04	4.973E+03	9.862E+03	1.133E+02	9.616E+01	1.349E+02	1.118E+04	1.030E+04	1.190E+04
GRAND TOTAL	6.417E+02	2.727E+02	2.136E+02	1.475E+04	1.636E+04	2.259E+04	6.417E+02	2.727E+02	2.136E+02	1.475E+04	2.129E+04	2.849E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 112)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	18	1	2	2	18	18	18	1	2	2
X MAXIMUM	5.534E+02	1.148E+02	1.695E+02	6.164E+03	1.281E+04	1.480E+04	5.534E+02	1.148E+02	1.695E+02	6.164E+03	1.525E+04	1.699E+04
Y	9	6	16	1	5	5	9	6	16	1	2	5
Y MAXIMUM	2.555E+02	9.259E+01	6.479E+01	1.693E+03	2.171E+03	7.703E+03	2.555E+02	9.259E+01	6.479E+01	1.693E+03	1.906E+03	8.718E+03
Z	18	2	2	1	2	2	18	2	2	1	2	2
Z MAXIMUM	1.813E+02	8.600E+01	9.565E+01	1.118E+04	1.030E+04	1.190E+04	1.813E+02	8.600E+01	9.565E+01	1.118E+04	1.226E+04	1.366E+04
GRAND TOTAL	8.838E+02	3.292E+02	2.995E+02	1.475E+04	2.129E+04	2.849E+04	8.838E+02	3.292E+02	2.995E+02	1.475E+04	2.255E+04	3.088E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 113)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	18	18	18	1	2	2	18	18	18	2	2	2
X MAXIMUM	5.534E+02	1.148E+02	1.695E+02	6.164E+03	1.525E+04	1.699E+04	3.101E+02	4.725E+02	1.695E+02	1.484E+04	7.798E+03	1.767E+04
Y	9	6	16	1	2	5	9	9	16	2	1	5
Y MAXIMUM	2.555E+02	9.259E+01	6.479E+01	1.693E+03	1.906E+03	8.718E+03	2.411E+02	1.202E+02	6.479E+01	1.855E+03	2.068E+03	8.770E+03
Z	18	2	2	1	2	2	15	18	2	2	1	2
Z MAXIMUM	1.813E+02	8.600E+01	9.565E+01	1.118E+04	1.226E+04	1.366E+04	1.201E+02	1.548E+02	9.565E+01	1.193E+04	1.366E+04	1.421E+04
GRAND TOTAL	8.838E+02	3.292E+02	2.995E+02	1.475E+04	2.255E+04	3.088E+04	6.955E+02	6.369E+02	2.995E+02	1.958E+04	1.912E+04	3.072E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 113)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	18	2	1	2
X MAXIMUM	1.148E+02	5.534E+02	1.695E+02	1.632E+04	5.992E+03	1.795E+04
Y	6	9	16	2	1	5
Y MAXIMUM	9.259E+01	2.555E+02	6.479E+01	2.040E+03	1.645E+03	8.266E+03
Z	2	18	2	2	1	2
Z MAXIMUM	8.600E+01	1.813E+02	9.565E+01	1.312E+04	1.087E+04	1.443E+04
GRAND TOTAL	3.292E+02	8.838E+02	2.995E+02	2.359E+04	1.380E+04	2.897E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 114)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	18	2	2	1	18	18	18	2	2	1
X MAXIMUM	1.148E+02	1.695E+02	5.534E+02	1.632E+04	1.795E+04	5.992E+03	1.148E+02	1.695E+02	5.534E+02	1.632E+04	1.794E+04	5.689E+03
Y	6	16	9	2	5	1	6	16	9	2	5	16
Y MAXIMUM	9.259E+01	6.479E+01	2.555E+02	2.040E+03	8.266E+03	1.645E+03	9.259E+01	6.479E+01	2.555E+02	2.040E+03	6.686E+03	1.718E+03
Z	2	2	18	2	2	1	2	2	18	2	2	1
Z MAXIMUM	8.600E+01	9.565E+01	1.813E+02	1.312E+04	1.443E+04	1.087E+04	8.600E+01	9.565E+01	1.813E+02	1.312E+04	1.443E+04	1.032E+04
GRAND TOTAL	3.292E+02	2.995E+02	8.838E+02	2.359E+04	2.897E+04	1.380E+04	3.292E+02	2.995E+02	8.838E+02	2.359E+04	2.800E+04	1.334E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 115)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	2	10	2	2	1	18	2	10	2	10	2
X MAXIMUM	1.148E+02	1.750E+02	2.562E+02	1.632E+04	1.794E+04	5.689E+03	1.148E+02	1.750E+02	2.562E+02	1.632E+04	8.687E+03	7.201E+03
Y	6	26	5	2	5	16	6	26	5	2	26	21
Y MAXIMUM	9.259E+01	5.515E+01	1.970E+02	2.040E+03	6.686E+03	1.718E+03	9.259E+01	5.515E+01	1.970E+02	2.040E+03	4.297E+03	2.729E+03
Z	2	2	2	2	2	1	2	2	2	2	2	1
Z MAXIMUM	8.600E+01	1.407E+02	1.424E+02	1.312E+04	1.443E+04	1.032E+04	8.600E+01	1.407E+02	1.424E+02	1.312E+04	6.662E+03	6.560E+03
GRAND TOTAL	3.292E+02	2.741E+02	4.879E+02	2.359E+04	2.800E+04	1.334E+04	3.292E+02	2.741E+02	4.879E+02	2.359E+04	1.987E+04	1.459E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 116)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	2	2	2	10	2	18	2	2	2	10	2
X MAXIMUM	1.132E+02	2.102E+02	1.265E+02	1.632E+04	8.687E+03	7.201E+03	1.132E+02	2.102E+02	1.265E+02	1.632E+04	9.809E+03	3.013E+04
Y	6	5	5	2	26	21	6	5	5	2	5	5
Y MAXIMUM	9.230E+01	3.618E+01	1.484E+02	2.040E+03	4.297E+03	2.729E+03	9.230E+01	3.618E+01	1.484E+02	2.040E+03	2.024E+04	4.158E+03
Z	2	1	2	2	2	1	2	1	2	2	10	2
Z MAXIMUM	7.918E+01	2.037E+02	1.017E+02	1.312E+04	6.662E+03	6.560E+03	7.918E+01	2.037E+02	1.017E+02	1.312E+04	5.336E+03	2.423E+04
GRAND TOTAL	3.553E+02	3.679E+02	2.559E+02	2.359E+04	1.987E+04	1.459E+04	3.553E+02	3.679E+02	2.559E+02	2.359E+04	2.496E+04	4.342E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 117)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	2	10	2	10	2	18	2	10	2	2	2
X MAXIMUM	1.112E+02	2.155E+02	5.129E+02	1.632E+04	9.809E+03	3.013E+04	1.112E+02	2.155E+02	5.129E+02	1.632E+04	5.561E+03	3.341E+04
Y	29	36	10	2	5	5	29	36	10	2	5	5
Y MAXIMUM	1.035E+02	7.236E+01	7.463E+01	2.040E+03	2.024E+04	4.158E+03	1.035E+02	7.236E+01	7.463E+01	2.040E+03	2.080E+04	4.723E+03
Z	1	1	10	2	10	2	1	1	10	2	2	2
Z MAXIMUM	8.127E+01	2.193E+02	2.790E+02	1.312E+04	5.336E+03	2.423E+04	8.127E+01	2.193E+02	2.790E+02	1.312E+04	4.471E+03	2.686E+04
GRAND TOTAL	3.901E+02	4.153E+02	6.146E+02	2.359E+04	2.496E+04	4.342E+04	3.901E+02	4.153E+02	6.146E+02	2.359E+04	2.285E+04	4.901E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 118)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	2	10	2	2	2	18	2	10	2	10	2
X MAXIMUM	1.112E+02	9.584E+02	5.129E+02	1.632E+04	5.561E+03	3.341E+04	1.112E+02	9.584E+02	5.129E+02	1.632E+04	8.760E+03	1.328E+04
Y	29	2	10	2	5	5	29	2	10	2	5	5
Y MAXIMUM	1.035E+02	1.198E+02	7.463E+01	2.040E+03	2.080E+04	4.723E+03	1.035E+02	1.198E+02	7.463E+01	2.040E+03	2.158E+04	5.724E+03
Z	1	2	10	2	2	2	1	2	10	2	10	1
Z MAXIMUM	8.127E+01	7.706E+02	2.790E+02	1.312E+04	4.471E+03	2.686E+04	8.127E+01	7.706E+02	2.790E+02	1.312E+04	4.766E+03	1.962E+04
GRAND TOTAL	3.901E+02	1.373E+03	6.146E+02	2.359E+04	2.285E+04	4.901E+04	3.901E+02	1.373E+03	6.146E+02	2.359E+04	2.589E+04	2.973E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 119)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	18	10	2	2	2	10	10	10	2	1	2	10
X MAXIMUM	1.112E+02	6.706E+02	8.844E+02	1.632E+04	1.442E+04	1.020E+04	4.986E+02	4.499E+02	8.844E+02	1.012E+04	1.611E+04	1.438E+04
Y	29	10	2	2	5	5	5	29	2	1	5	5
Y MAXIMUM	1.035E+02	9.758E+01	1.105E+02	2.040E+03	2.967E+03	2.212E+04	9.919E+01	9.881E+01	1.105E+02	2.779E+03	2.702E+03	2.223E+04
Z	1	10	2	2	1	1	10	10	2	1	2	1
Z MAXIMUM	8.127E+01	3.648E+02	7.111E+02	1.312E+04	1.779E+04	8.320E+03	2.712E+02	2.447E+02	7.111E+02	1.835E+04	1.295E+04	8.919E+03
GRAND TOTAL	3.901E+02	9.262E+02	1.185E+03	2.359E+04	2.799E+04	2.777E+04	7.664E+02	6.502E+02	1.185E+03	2.243E+04	2.262E+04	3.066E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 119)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	18	2	1	2	10
X MAXIMUM	6.706E+02	1.112E+02	8.844E+02	9.846E+03	8.363E+03	1.593E+04
Y	10	29	2	1	4	5
Y MAXIMUM	9.758E+01	1.035E+02	1.105E+02	2.704E+03	1.801E+03	2.180E+04
Z	10	1	2	1	1	1
Z MAXIMUM	3.648E+02	8.127E+01	7.111E+02	1.785E+04	8.068E+03	9.596E+03
GRAND TOTAL	9.262E+02	3.901E+02	1.185E+03	2.300E+04	1.491E+04	3.174E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 120)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	18	2	1	2	10	10	18	2	1	2	10
X MAXIMUM	6.713E+02	1.112E+02	8.835E+02	9.833E+03	8.363E+03	1.594E+04	6.713E+02	1.112E+02	8.835E+02	9.833E+03	4.975E+03	1.580E+04
Y	10	29	2	5	4	5	10	29	2	5	4	5
Y MAXIMUM	9.767E+01	1.035E+02	1.104E+02	2.750E+03	1.801E+03	2.180E+04	9.767E+01	1.035E+02	1.104E+02	2.750E+03	1.824E+03	2.146E+04
Z	10	1	2	1	1	1	10	1	2	1	1	1
Z MAXIMUM	3.652E+02	8.127E+01	7.104E+02	1.783E+04	8.068E+03	9.638E+03	3.652E+02	8.127E+01	7.104E+02	1.783E+04	8.040E+03	9.950E+03
GRAND TOTAL	9.283E+02	3.901E+02	1.184E+03	2.298E+04	1.491E+04	3.176E+04	9.283E+02	3.901E+02	1.184E+03	2.298E+04	1.221E+04	3.160E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 121)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	1	2	10	10	10	2	1	2	10
X MAXIMUM	6.709E+02	7.634E+02	8.840E+02	9.841E+03	4.975E+03	1.580E+04	6.709E+02	7.634E+02	8.840E+02	9.841E+03	2.103E+04	6.658E+03
Y	10	5	2	5	4	5	10	5	2	5	2	5
Y MAXIMUM	9.761E+01	3.993E+02	1.105E+02	2.718E+03	1.824E+03	2.146E+04	9.761E+01	3.993E+02	1.105E+02	2.718E+03	2.629E+03	9.720E+03
Z	10	10	2	1	1	1	10	10	2	1	2	1
Z MAXIMUM	3.650E+02	4.153E+02	7.108E+02	1.785E+04	8.040E+03	9.924E+03	3.650E+02	4.153E+02	7.108E+02	1.785E+04	1.691E+04	7.116E+03
GRAND TOTAL	9.270E+02	9.863E+02	1.185E+03	2.299E+04	1.221E+04	3.159E+04	9.270E+02	9.863E+02	1.185E+03	2.299E+04	3.098E+04	1.598E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 122)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	1	2	10	10	10	2	1	2	10
X MAXIMUM	9.064E+02	7.246E+02	8.615E+02	9.841E+03	2.103E+04	6.658E+03	9.064E+02	7.246E+02	8.615E+02	9.841E+03	5.700E+04	3.691E+04
Y	10	5	2	5	2	5	10	5	2	5	2	5
Y MAXIMUM	1.319E+02	3.679E+02	1.077E+02	2.718E+03	2.629E+03	9.720E+03	1.319E+02	3.679E+02	1.077E+02	2.718E+03	7.125E+03	5.639E+03
Z	10	10	2	1	2	1	10	10	2	1	2	10
Z MAXIMUM	4.931E+02	3.942E+02	6.927E+02	1.785E+04	1.691E+04	7.116E+03	4.931E+02	3.942E+02	6.927E+02	1.785E+04	4.583E+04	2.008E+04
GRAND TOTAL	1.127E+03	9.325E+02	1.116E+03	2.299E+04	3.098E+04	1.598E+04	1.127E+03	9.325E+02	1.116E+03	2.299E+04	7.573E+04	4.355E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 123)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	10	10	2	1	2	10	10	2	2	2	2	10
X MAXIMUM	9.063E+02	7.246E+02	8.618E+02	9.843E+03	5.700E+04	3.691E+04	1.153E+03	1.917E+02	8.618E+02	4.715E+04	4.121E+04	3.913E+04
Y	10	5	2	5	2	5	5	5	2	2	2	5
Y MAXIMUM	1.319E+02	3.679E+02	1.077E+02	2.723E+03	7.125E+03	5.637E+03	2.733E+02	2.470E+02	1.077E+02	5.893E+03	5.152E+03	7.930E+03
Z	10	10	2	1	2	10	10	2	2	2	2	10
Z MAXIMUM	4.930E+02	3.942E+02	6.929E+02	1.785E+04	4.583E+04	2.008E+04	6.274E+02	1.542E+02	6.929E+02	3.791E+04	3.314E+04	2.129E+04
GRAND TOTAL	1.126E+03	9.325E+02	1.116E+03	2.299E+04	7.573E+04	4.355E+04	1.410E+03	3.880E+02	1.116E+03	6.495E+04	5.581E+04	4.643E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 123)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	2	1	10
X MAXIMUM	7.245E+02	9.064E+02	8.618E+02	6.475E+04	9.844E+03	3.528E+04
Y	5	10	2	2	1	5
Y MAXIMUM	3.679E+02	1.319E+02	1.077E+02	8.094E+03	2.703E+03	8.782E+03
Z	10	10	2	2	1	10
Z MAXIMUM	3.941E+02	4.931E+02	6.929E+02	5.207E+04	1.785E+04	1.919E+04
GRAND TOTAL	9.324E+02	1.126E+03	1.116E+03	8.563E+04	2.164E+04	4.238E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 124)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	2	10	1	10	2	10	2	10	1
X MAXIMUM	7.246E+02	9.100E+02	8.049E+02	6.475E+04	3.449E+04	9.651E+03	7.246E+02	9.100E+02	8.049E+02	6.475E+04	3.212E+04	9.695E+03
Y	5	2	10	2	5	5	5	2	10	2	5	5
Y MAXIMUM	3.679E+02	1.138E+02	1.171E+02	8.094E+03	7.210E+03	5.542E+03	3.679E+02	1.138E+02	1.171E+02	8.094E+03	7.204E+03	5.413E+03
Z	10	2	10	2	10	1	10	2	10	2	10	1
Z MAXIMUM	3.942E+02	7.317E+02	4.379E+02	5.207E+04	1.876E+04	1.750E+04	3.942E+02	7.317E+02	4.379E+02	5.207E+04	1.748E+04	1.758E+04
GRAND TOTAL	9.325E+02	1.275E+03	9.436E+02	8.563E+04	4.118E+04	2.384E+04	9.325E+02	1.275E+03	9.436E+02	8.563E+04	3.847E+04	2.398E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 125)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	2	10	1	10	2	10	2	10	2
X MAXIMUM	6.705E+02	8.173E+02	1.085E+03	6.475E+04	3.212E+04	9.695E+03	6.705E+02	8.173E+02	1.085E+03	6.475E+04	2.749E+03	2.718E+04
Y	5	2	10	2	5	5	5	2	10	2	5	5
Y MAXIMUM	2.762E+02	1.022E+02	1.579E+02	8.094E+03	7.204E+03	5.413E+03	2.762E+02	1.022E+02	1.579E+02	8.094E+03	7.683E+03	4.411E+03
Z	10	2	10	2	10	1	10	2	10	2	1	2
Z MAXIMUM	3.648E+02	6.571E+02	5.905E+02	5.207E+04	1.748E+04	1.758E+04	3.648E+02	6.571E+02	5.905E+02	5.207E+04	2.210E+03	2.186E+04
GRAND TOTAL	8.419E+02	1.120E+03	1.271E+03	8.563E+04	3.847E+04	2.398E+04	8.419E+02	1.120E+03	1.271E+03	8.563E+04	9.070E+03	4.129E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 126)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	10	2	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	6.705E+02	7.927E+02	1.119E+03	6.475E+04	1.001E+04	2.528E+04	5.970E+02	5.693E+02	1.119E+03	5.345E+04	3.730E+04	3.019E+04
Y	5	2	10	2	5	2	5	5	10	2	5	2
Y MAXIMUM	2.762E+02	9.908E+01	1.628E+02	8.094E+03	8.786E+03	3.160E+03	2.243E+02	1.663E+02	1.628E+02	6.681E+03	7.763E+03	3.773E+03
Z	10	2	10	2	2	2	2	2	10	2	2	2
Z MAXIMUM	3.648E+02	6.374E+02	6.088E+02	5.207E+04	8.046E+03	2.032E+04	4.800E+02	4.213E+02	6.088E+02	4.298E+04	2.999E+04	2.427E+04
GRAND TOTAL	8.419E+02	1.039E+03	1.339E+03	8.563E+04	1.706E+04	3.868E+04	9.241E+02	9.661E+02	1.339E+03	7.039E+04	5.030E+04	4.401E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 126)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2
X MAXIMUM	7.927E+02	6.705E+02	1.119E+03	1.200E+04	6.276E+04	3.195E+04
Y	2	5	10	5	2	2
Y MAXIMUM	9.908E+01	2.762E+02	1.628E+02	8.806E+03	7.845E+03	3.993E+03
Z	2	10	10	2	2	2
Z MAXIMUM	6.374E+02	3.648E+02	6.088E+02	9.651E+03	5.046E+04	2.569E+04
GRAND TOTAL	1.039E+03	8.419E+02	1.339E+03	2.121E+04	8.173E+04	4.624E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 127)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	7.924E+02	6.705E+02	1.119E+03	1.204E+04	6.276E+04	3.193E+04	7.924E+02	6.705E+02	1.119E+03	1.204E+04	6.209E+04	3.178E+04
Y	2	5	10	5	2	2	2	5	10	5	2	5
Y MAXIMUM	9.905E+01	2.762E+02	1.628E+02	8.810E+03	7.845E+03	3.991E+03	9.905E+01	2.762E+02	1.628E+02	8.810E+03	7.761E+03	4.071E+03
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	6.371E+02	3.648E+02	6.087E+02	9.683E+03	5.046E+04	2.567E+04	6.371E+02	3.648E+02	6.087E+02	9.683E+03	4.992E+04	2.555E+04
GRAND TOTAL	1.038E+03	8.419E+02	1.339E+03	2.125E+04	8.173E+04	4.622E+04	1.038E+03	8.419E+02	1.339E+03	2.125E+04	8.078E+04	4.634E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 128)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	7.924E+02	6.779E+02	1.119E+03	1.204E+04	6.209E+04	3.178E+04	7.924E+02	6.779E+02	1.119E+03	1.204E+04	6.008E+04	3.166E+04
Y	2	5	10	5	2	5	2	5	10	5	2	5
Y MAXIMUM	9.905E+01	3.103E+02	1.628E+02	8.810E+03	7.761E+03	4.071E+03	9.905E+01	3.103E+02	1.628E+02	8.810E+03	7.510E+03	6.865E+03
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	6.371E+02	3.688E+02	6.087E+02	9.683E+03	4.992E+04	2.555E+04	6.371E+02	3.688E+02	6.087E+02	9.683E+03	4.831E+04	2.545E+04
GRAND TOTAL	1.038E+03	8.566E+02	1.339E+03	2.125E+04	8.078E+04	4.634E+04	1.038E+03	8.566E+02	1.339E+03	2.125E+04	7.910E+04	4.808E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 129)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	7.926E+02	6.779E+02	1.119E+03	1.201E+04	6.008E+04	3.167E+04	7.926E+02	6.779E+02	1.119E+03	1.201E+04	5.883E+04	3.159E+04
Y	2	5	10	5	2	5	2	5	10	5	2	5
Y MAXIMUM	9.908E+01	3.103E+02	1.628E+02	8.803E+03	7.510E+03	6.875E+03	9.908E+01	3.103E+02	1.628E+02	8.803E+03	7.354E+03	8.616E+03
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	6.373E+02	3.688E+02	6.088E+02	9.656E+03	4.831E+04	2.546E+04	6.373E+02	3.688E+02	6.088E+02	9.656E+03	4.731E+04	2.540E+04
GRAND TOTAL	1.038E+03	8.566E+02	1.339E+03	2.122E+04	7.910E+04	4.809E+04	1.038E+03	8.566E+02	1.339E+03	2.122E+04	7.898E+04	4.975E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 130)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	7.198E+02	6.110E+02	1.175E+03	1.204E+04	5.883E+04	3.158E+04	7.198E+02	6.110E+02	1.175E+03	1.204E+04	5.782E+04	3.131E+04
Y	2	5	10	5	2	5	2	5	10	5	2	5
Y MAXIMUM	8.998E+01	2.302E+02	1.710E+02	8.811E+03	7.354E+03	8.607E+03	8.998E+01	2.302E+02	1.710E+02	8.811E+03	7.227E+03	1.031E+04
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	5.788E+02	3.324E+02	6.392E+02	9.681E+03	4.731E+04	2.539E+04	5.788E+02	3.324E+02	6.392E+02	9.681E+03	4.649E+04	2.517E+04
GRAND TOTAL	1.011E+03	7.572E+02	1.386E+03	2.125E+04	7.898E+04	4.973E+04	1.011E+03	7.572E+02	1.386E+03	2.125E+04	8.080E+04	5.188E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 131)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	0	10	10	10	10	10	0	10	2
X MAXIMUM	1.180E+02	2.922E+02	1.815E+02	0.	7.425E+02	1.196E+03	1.180E+02	2.922E+02	1.815E+02	0.	3.662E-04	7.543E-05
Y	5	10	29	0	29	10	5	10	29	0	2	10
Y MAXIMUM	1.310E+02	4.251E+01	3.539E+01	0.	1.448E+02	1.740E+02	1.310E+02	4.251E+01	3.539E+01	0.	3.434E-05	1.908E-05
Z	10	10	10	0	10	10	10	10	10	0	1	2
Z MAXIMUM	6.420E+01	1.589E+02	9.872E+01	0.	4.039E+02	6.504E+02	6.420E+01	1.589E+02	9.872E+01	0.	1.407E-04	7.552E-05
GRAND TOTAL	2.088E+02	4.067E+02	2.710E+02	0.	1.109E+03	1.664E+03	2.088E+02	4.067E+02	2.710E+02	0.	5.034E-04	1.470E-04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 132)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	2	2	2	10	10	10	2	2	2
X MAXIMUM	1.013E+03	3.750E+02	1.287E+03	1.323E+04	5.782E+04	3.233E+04	1.013E+03	3.750E+02	1.287E+03	1.323E+04	5.989E+04	3.081E+04
Y	10	10	10	5	2	5	10	10	10	5	2	5
Y MAXIMUM	1.474E+02	5.456E+01	1.872E+02	9.027E+03	7.227E+03	1.010E+04	1.474E+02	5.456E+01	1.872E+02	9.027E+03	7.486E+03	9.683E+03
Z	10	10	10	2	2	2	10	10	10	2	2	2
Z MAXIMUM	5.513E+02	2.040E+02	7.000E+02	1.064E+04	4.649E+04	2.599E+04	5.513E+02	2.040E+02	7.000E+02	1.064E+04	4.815E+04	2.477E+04
GRAND TOTAL	1.329E+03	4.922E+02	1.553E+03	2.229E+04	8.080E+04	5.142E+04	1.329E+03	4.922E+02	1.553E+03	2.229E+04	9.194E+04	5.187E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 133)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	2	2	2	10	10	10	2	2	2
X MAXIMUM	1.014E+03	3.750E+02	1.286E+03	1.325E+04	5.989E+04	3.080E+04	1.014E+03	3.750E+02	1.286E+03	1.325E+04	6.084E+04	3.010E+04
Y	10	10	10	5	2	5	10	10	10	5	2	5
Y MAXIMUM	1.476E+02	5.456E+01	1.871E+02	9.036E+03	7.486E+03	9.675E+03	1.476E+02	5.456E+01	1.871E+02	9.036E+03	7.605E+03	9.484E+03
Z	10	10	10	2	2	2	10	10	10	2	2	2
Z MAXIMUM	5.519E+02	2.040E+02	6.995E+02	1.066E+04	4.815E+04	2.477E+04	5.519E+02	2.040E+02	6.995E+02	1.066E+04	4.892E+04	2.420E+04
GRAND TOTAL	1.330E+03	4.922E+02	1.552E+03	2.231E+04	9.194E+04	5.186E+04	1.330E+03	4.922E+02	1.552E+03	2.231E+04	9.806E+04	5.233E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 134)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	2	2	2	10	10	10	2	2	2
X MAXIMUM	1.013E+03	3.750E+02	1.287E+03	1.323E+04	6.084E+04	3.011E+04	1.013E+03	3.750E+02	1.287E+03	1.323E+04	6.132E+04	2.976E+04
Y	10	10	10	5	2	5	10	10	10	5	10	5
Y MAXIMUM	1.474E+02	5.456E+01	1.872E+02	9.027E+03	7.605E+03	9.492E+03	1.474E+02	5.456E+01	1.872E+02	9.027E+03	7.714E+03	9.395E+03
Z	10	10	10	2	2	2	10	10	10	2	2	2
Z MAXIMUM	5.512E+02	2.040E+02	7.000E+02	1.064E+04	4.892E+04	2.421E+04	5.512E+02	2.040E+02	7.000E+02	1.064E+04	4.931E+04	2.393E+04
GRAND TOTAL	1.329E+03	4.922E+02	1.553E+03	2.229E+04	9.806E+04	5.234E+04	1.329E+03	4.922E+02	1.553E+03	2.229E+04	1.014E+05	5.265E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 135)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	2	2	2	2	10	2	2	2	2	10
X MAXIMUM	9.338E+02	3.993E+02	6.287E+02	1.323E+04	6.132E+04	2.976E+04	9.338E+02	3.993E+02	6.287E+02	1.323E+04	4.352E+04	1.879E+04
Y	10	5	4	5	10	5	10	5	4	5	4	5
Y MAXIMUM	1.359E+02	5.695E+01	1.099E+02	9.028E+03	7.714E+03	9.394E+03	1.359E+02	5.695E+01	1.099E+02	9.028E+03	7.388E+03	7.781E+03
Z	10	2	2	2	2	2	10	2	2	2	2	2
Z MAXIMUM	5.080E+02	3.211E+02	5.055E+02	1.064E+04	4.931E+04	2.393E+04	5.080E+02	3.211E+02	5.055E+02	1.064E+04	3.499E+04	1.483E+04
GRAND TOTAL	1.194E+03	6.492E+02	1.117E+03	2.229E+04	1.014E+05	5.264E+04	1.194E+03	6.492E+02	1.117E+03	2.229E+04	7.295E+04	3.498E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 136)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	2	2	10	10	2	10	2	4	2
X MAXIMUM	5.888E+02	4.272E+02	6.167E+02	1.324E+04	4.352E+04	1.079E+04	5.888E+02	4.272E+02	6.167E+02	1.324E+04	1.796E+04	5.744E+03
Y	4	5	4	5	4	5	4	5	4	5	4	24
Y MAXIMUM	1.153E+02	1.444E+02	1.147E+02	9.031E+03	7.388E+03	7.778E+03	1.153E+02	1.444E+02	1.147E+02	9.031E+03	1.388E+04	2.178E+03
Z	2	2	2	2	2	2	2	2	2	2	4	2
Z MAXIMUM	3.658E+02	3.435E+02	3.762E+02	1.064E+04	3.499E+04	1.483E+04	3.658E+02	3.435E+02	3.762E+02	1.064E+04	2.243E+04	4.618E+03
GRAND TOTAL	9.524E+02	7.666E+02	9.685E+02	2.230E+04	7.295E+04	3.498E+04	9.524E+02	7.666E+02	9.685E+02	2.230E+04	4.208E+04	1.191E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 137)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	4	2	2	10	10	2	4	2
X MAXIMUM	5.806E+02	4.577E+02	5.744E+02	1.324E+04	1.796E+04	5.744E+03	5.806E+02	4.577E+02	5.744E+02	1.324E+04	2.144E+04	1.811E+04
Y	4	5	4	5	4	24	4	5	4	5	4	5
Y MAXIMUM	1.287E+02	1.740E+02	9.470E+01	9.031E+03	1.388E+04	2.178E+03	1.287E+02	1.740E+02	9.470E+01	9.031E+03	1.656E+04	5.325E+03
Z	2	2	10	2	4	2	2	2	10	2	4	2
Z MAXIMUM	4.668E+02	3.511E+02	3.125E+02	1.064E+04	2.243E+04	4.618E+03	4.668E+02	3.511E+02	3.125E+02	1.064E+04	2.676E+04	1.456E+04
GRAND TOTAL	8.730E+02	8.136E+02	7.904E+02	2.230E+04	4.208E+04	1.191E+04	8.730E+02	8.136E+02	7.904E+02	2.230E+04	4.672E+04	3.292E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 138)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	4	2	2	10	10	2	4	2
X MAXIMUM	5.806E+02	6.502E+01	5.744E+02	1.323E+04	2.144E+04	1.811E+04	5.806E+02	6.502E+01	5.744E+02	1.323E+04	2.177E+04	1.797E+04
Y	4	37	4	5	4	5	4	37	4	5	4	5
Y MAXIMUM	1.287E+02	7.470E+01	9.473E+01	9.030E+03	1.656E+04	5.328E+03	1.287E+02	7.470E+01	9.473E+01	9.030E+03	1.682E+04	5.485E+03
Z	2	22	10	2	4	2	2	22	10	2	4	2
Z MAXIMUM	4.669E+02	6.899E+01	3.125E+02	1.064E+04	2.676E+04	1.456E+04	4.669E+02	6.899E+01	3.125E+02	1.064E+04	2.718E+04	1.445E+04
GRAND TOTAL	8.731E+02	1.817E+02	7.902E+02	2.230E+04	4.672E+04	3.292E+04	8.731E+02	1.817E+02	7.902E+02	2.230E+04	4.769E+04	3.271E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 134)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	2	2	2	10	10	10	2	2	2
X MAXIMUM	1.013E+03	3.750E+02	1.287E+03	1.323E+04	6.084E+04	3.011E+04	1.013E+03	3.750E+02	1.287E+03	1.323E+04	6.132E+04	2.976E+04
Y	10	10	10	5	2	5	10	10	10	5	10	5
Y MAXIMUM	1.474E+02	5.456E+01	1.872E+02	9.027E+03	7.605E+03	9.492E+03	1.474E+02	5.456E+01	1.872E+02	9.027E+03	7.714E+03	9.395E+03
Z	10	10	10	2	2	2	10	10	10	2	2	2
Z MAXIMUM	5.512E+02	2.040E+02	7.000E+02	1.064E+04	4.892E+04	2.421E+04	5.512E+02	2.040E+02	7.000E+02	1.064E+04	4.931E+04	2.393E+04
GRAND TOTAL	1.329E+03	4.922E+02	1.553E+03	2.229E+04	9.806E+04	5.234E+04	1.329E+03	4.922E+02	1.553E+03	2.229E+04	1.014E+05	5.265E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 135)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	2	2	2	2	10	2	2	2	2	10
X MAXIMUM	9.338E+02	3.993E+02	6.287E+02	1.323E+04	6.132E+04	2.976E+04	9.338E+02	3.993E+02	6.287E+02	1.323E+04	4.352E+04	1.879E+04
Y	10	5	4	5	10	5	10	5	4	5	4	5
Y MAXIMUM	1.359E+02	5.695E+01	1.099E+02	9.028E+03	7.714E+03	9.394E+03	1.359E+02	5.695E+01	1.099E+02	9.028E+03	7.388E+03	7.781E+03
Z	10	2	2	2	2	2	10	2	2	2	2	2
Z MAXIMUM	5.080E+02	3.211E+02	5.055E+02	1.064E+04	4.931E+04	2.393E+04	5.080E+02	3.211E+02	5.055E+02	1.064E+04	3.499E+04	1.483E+04
GRAND TOTAL	1.194E+03	6.492E+02	1.117E+03	2.229E+04	1.014E+05	5.264E+04	1.194E+03	6.492E+02	1.117E+03	2.229E+04	7.295E+04	3.498E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 136)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	2	2	10	10	2	10	2	4	2
X MAXIMUM	5.888E+02	4.272E+02	6.167E+02	1.324E+04	4.352E+04	1.879E+04	5.888E+02	4.272E+02	6.167E+02	1.324E+04	1.796E+04	5.744E+04
Y	4	5	4	5	4	5	4	5	4	5	4	24
Y MAXIMUM	1.153E+02	1.444E+02	1.147E+02	9.031E+03	7.388E+03	7.778E+03	1.153E+02	1.444E+02	1.147E+02	9.031E+03	1.388E+04	2.178E+03
Z	2	2	2	2	2	2	2	2	2	2	4	2
Z MAXIMUM	3.658E+02	3.435E+02	3.762E+02	1.064E+04	3.499E+04	1.483E+04	3.658E+02	3.435E+02	3.762E+02	1.064E+04	2.243E+04	4.618E+03
GRAND TOTAL	9.524E+02	7.666E+02	9.685E+02	2.230E+04	7.295E+04	3.498E+04	9.524E+02	7.666E+02	9.685E+02	2.230E+04	4.208E+04	1.191E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 137)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	4	2	2	10	10	2	4	2
X MAXIMUM	5.806E+02	4.577E+02	5.744E+02	1.324E+04	1.796E+04	5.744E+03	5.806E+02	4.577E+02	5.744E+02	1.324E+04	2.144E+04	1.811E+04
Y	4	5	4	5	4	24	4	5	4	5	4	5
Y MAXIMUM	1.287E+02	1.740E+02	9.470E+01	9.031E+03	1.388E+04	2.178E+03	1.287E+02	1.740E+02	9.470E+01	9.031E+03	1.656E+04	5.325E+03
Z	2	2	10	2	4	2	2	2	10	2	4	2
Z MAXIMUM	4.668E+02	3.511E+02	3.125E+02	1.064E+04	2.243E+04	4.618E+03	4.668E+02	3.511E+02	3.125E+02	1.064E+04	2.676E+04	1.456E+04
GRAND TOTAL	8.730E+02	8.136E+02	7.904E+02	2.230E+04	4.208E+04	1.191E+04	8.730E+02	8.136E+02	7.904E+02	2.230E+04	4.672E+04	3.292E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 138)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	4	2	2	10	10	2	4	2
X MAXIMUM	5.806E+02	6.502E+01	5.744E+02	1.323E+04	2.144E+04	1.811E+04	5.806E+02	6.502E+01	5.744E+02	1.323E+04	2.177E+04	1.797E+04
Y	4	37	4	5	4	5	4	37	4	5	4	5
Y MAXIMUM	1.287E+02	7.470E+01	9.473E+01	9.030E+03	1.656E+04	5.328E+03	1.287E+02	7.470E+01	9.473E+01	9.030E+03	1.682E+04	5.485E+03
Z	2	22	10	2	4	2	2	22	10	2	4	2
Z MAXIMUM	4.669E+02	6.899E+01	3.125E+02	1.064E+04	2.676E+04	1.456E+04	4.669E+02	6.899E+01	3.125E+02	1.064E+04	2.718E+04	1.445E+04
GRAND TOTAL	8.731E+02	1.817E+02	7.902E+02	2.230E+04	4.672E+04	3.292E+04	8.731E+02	1.817E+02	7.902E+02	2.230E+04	4.769E+04	3.271E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 139)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	2	10	10	2	4	2	2	2	10	4	10	10
X MAXIMUM	5.805E+02	6.502E+01	5.745E+02	1.324E+04	2.177E+04	1.796E+04	3.726E+02	4.484E+02	5.745E+02	1.617E+04	2.235E+04	1.633E+04
Y	4	37	4	5	4	5	4	4	4	4	4	5
Y MAXIMUM	1.288E+02	7.470E+01	9.468E+01	9.032E+03	1.682E+04	5.481E+03	1.005E+02	8.157E+01	9.468E+01	1.250E+04	1.242E+04	5.977E+03
Z	2	22	10	2	4	2	2	2	10	4	4	2
Z MAXIMUM	4.668E+02	6.899E+01	3.125E+02	1.065E+04	2.718E+04	1.444E+04	2.996E+02	3.606E+02	3.125E+02	2.019E+04	2.008E+04	1.244E+04
GRAND TOTAL	8.729E+02	1.817E+02	7.904E+02	2.230E+04	4.769E+04	3.271E+04	5.751E+02	6.813E+02	7.904E+02	3.549E+04	4.317E+04	2.942E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 139)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	10	10	10
X MAXIMUM	6.485E+01	5.806E+02	5.745E+02	2.431E+04	1.419E+04	1.404E+04
Y	37	4	4	4	5	5
Y MAXIMUM	7.470E+01	1.287E+02	9.468E+01	1.795E+04	9.374E+03	6.187E+03
Z	22	2	10	4	2	2
Z MAXIMUM	6.893E+01	4.668E+02	3.125E+02	2.901E+04	7.934E+03	8.327E+03
GRAND TOTAL	1.814E+02	8.730E+02	7.904E+02	5.283E+04	2.398E+04	2.312E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 140)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	10	2	10	10	2	10	10	10	10
X MAXIMUM	6.502E+01	4.283E+02	6.238E+02	2.432E+04	1.308E+04	1.840E+04	6.502E+01	4.283E+02	6.238E+02	2.432E+04	1.318E+04	1.836E+04
Y	37	4	10	4	5	10	37	4	10	4	5	10
Y MAXIMUM	7.470E+01	1.552E+02	9.077E+01	1.795E+04	1.103E+04	2.677E+03	7.470E+01	1.552E+02	9.077E+01	1.795E+04	1.126E+04	2.671E+03
Z	22	2	2	4	2	10	22	2	2	4	1	10
Z MAXIMUM	6.899E+01	3.444E+02	3.880E+02	2.901E+04	1.052E+04	1.001E+04	6.899E+01	3.444E+02	3.880E+02	2.901E+04	7.363E+03	9.988E+03
GRAND TOTAL	1.817E+02	6.849E+02	9.580E+02	5.284E+04	2.407E+04	2.301E+04	1.817E+02	6.849E+02	9.580E+02	5.284E+04	2.432E+04	2.178E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 141)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	10	10	10	10	2	10	10	10	10
X MAXIMUM	7.042E+01	6.417E+02	3.409E+02	2.432E+04	1.318E+04	1.836E+04	7.042E+01	6.417E+02	3.409E+02	2.432E+04	1.428E+04	1.924E+04
Y	37	4	10	4	5	10	37	4	10	4	5	10
Y MAXIMUM	6.479E+01	1.555E+02	4.959E+01	1.795E+04	1.126E+04	2.671E+03	6.479E+01	1.555E+02	4.959E+01	1.795E+04	1.134E+04	2.799E+03
Z	22	2	2	4	1	10	22	2	2	4	10	10
Z MAXIMUM	6.029E+01	5.159E+02	2.679E+02	2.901E+04	7.363E+03	9.988E+03	6.029E+01	5.159E+02	2.679E+02	2.901E+04	7.770E+03	1.047E+04
GRAND TOTAL	1.758E+02	9.708E+02	5.922E+02	5.284E+04	2.432E+04	2.178E+04	1.758E+02	9.708E+02	5.922E+02	5.284E+04	2.463E+04	2.269E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 142)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	10	10	2	10	10	10	10	10	2	10	4	10
X MAXIMUM	7.042E+01	4.314E+02	7.218E+02	2.432E+04	9.231E+03	2.211E+04	3.548E+02	2.552E+02	7.218E+02	2.393E+04	1.497E+04	2.552E+04
Y	37	4	4	4	5	5	4	37	4	4	4	5
Y MAXIMUM	6.479E+01	7.798E+01	1.345E+02	1.795E+04	7.528E+03	8.718E+03	6.390E+01	5.236E+01	1.345E+02	1.316E+04	1.156E+04	8.769E+03
Z	22	10	2	4	1	10	10	10	2	4	4	10
Z MAXIMUM	6.029E+01	2.347E+02	5.804E+02	2.901E+04	6.207E+03	1.203E+04	1.930E+02	1.389E+02	5.804E+02	2.126E+04	1.869E+04	1.388E+04
GRAND TOTAL	1.758E+02	5.480E+02	9.965E+02	5.284E+04	1.613E+04	2.935E+04	4.509E+02	3.576E+02	9.965E+02	4.458E+04	3.049E+04	3.331E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 142)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	10	10	10
X MAXIMUM	4.314E+02	7.042E+01	7.218E+02	9.932E+03	2.362E+04	2.644E+04
Y	4	37	4	5	4	5
Y MAXIMUM	7.798E+01	6.479E+01	1.345E+02	7.624E+03	1.634E+04	8.486E+03
Z	10	22	2	1	4	10
Z MAXIMUM	2.347E+02	6.029E+01	5.804E+02	7.124E+03	2.640E+04	1.438E+04
GRAND TOTAL	5.480E+02	1.758E+02	9.965E+02	1.779E+04	4.897E+04	3.450E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 143)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	10	10	10	10	10	2	10	2	10
X MAXIMUM	4.314E+02	7.042E+01	7.218E+02	9.933E+03	2.362E+04	2.644E+04	4.314E+02	7.042E+01	7.218E+02	9.933E+03	3.153E+04	2.373E+04
Y	4	37	4	5	4	5	4	37	4	5	4	5
Y MAXIMUM	7.798E+01	6.479E+01	1.345E+02	7.624E+03	1.634E+04	8.486E+03	7.798E+01	6.479E+01	1.345E+02	7.624E+03	1.116E+04	6.823E+03
Z	10	22	2	1	4	10	10	22	2	1	2	10
Z MAXIMUM	2.347E+02	6.029E+01	5.804E+02	7.124E+03	2.640E+04	1.438E+04	2.347E+02	6.029E+01	5.804E+02	7.124E+03	2.535E+04	1.291E+04
GRAND TOTAL	5.480E+02	1.758E+02	9.965E+02	1.779E+04	4.897E+04	3.450E+04	5.480E+02	1.758E+02	9.965E+02	1.779E+04	5.536E+04	3.257E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 144)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	10	2	10	10	10	2	10	2	10
X MAXIMUM	2.823E+02	1.696E+02	8.027E+02	9.928E+03	3.153E+04	2.373E+04	2.823E+02	1.696E+02	8.027E+02	9.928E+03	7.707E+04	1.411E+04
Y	26	5	4	5	4	5	26	5	4	5	2	5
Y MAXIMUM	4.368E+01	4.463E+01	1.521E+02	7.625E+03	1.116E+04	6.822E+03	4.368E+01	4.463E+01	1.521E+02	7.625E+03	9.633E+03	4.290E+03
Z	2	10	2	1	2	10	2	10	2	1	2	2
Z MAXIMUM	2.227E+02	9.228E+01	6.454E+02	7.125E+03	2.535E+04	1.291E+04	2.227E+02	9.228E+01	6.454E+02	7.125E+03	6.197E+04	1.069E+04
GRAND TOTAL	5.195E+02	2.196E+02	1.174E+03	1.779E+04	5.536E+04	3.257E+04	5.195E+02	2.196E+02	1.174E+03	1.779E+04	9.996E+04	2.554E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 145)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	10	2	10	2	10	2	10
X MAXIMUM	4.969E+02	2.943E+02	8.673E+02	1.018E+04	7.707E+04	1.393E+04	4.969E+02	2.943E+02	8.673E+02	1.018E+04	7.715E+04	1.390E+04
Y	2	37	4	5	2	5	2	37	4	5	2	5
Y MAXIMUM	6.211E+01	6.712E+01	1.578E+02	7.548E+03	9.633E+03	4.424E+03	6.211E+01	6.712E+01	1.578E+02	7.548E+03	9.644E+03	4.419E+03
Z	2	10	2	1	2	2	2	10	2	1	2	2
Z MAXIMUM	3.995E+02	1.601E+02	6.973E+02	7.067E+03	6.197E+04	1.062E+04	3.995E+02	1.601E+02	6.973E+02	7.067E+03	6.203E+04	1.062E+04
GRAND TOTAL	6.880E+02	3.866E+02	1.318E+03	1.804E+04	9.996E+04	2.536E+04	6.880E+02	3.866E+02	1.318E+03	1.804E+04	1.001E+05	2.534E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 146)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	2	10	2	10	2	10	2	2	2	2	2	2
X MAXIMUM	5.123E+02	2.943E+02	8.582E+02	9.925E+03	7.715E+04	1.408E+04	3.975E+02	3.271E+02	8.582E+02	5.990E+04	5.599E+04	1.239E+04
Y	2	37	4	5	2	5	24	37	4	2	2	5
Y MAXIMUM	6.404E+01	6.712E+01	1.577E+02	7.626E+03	9.644E+03	4.283E+03	6.021E+01	5.352E+01	1.577E+02	7.487E+03	6.999E+03	3.958E+03
Z	2	10	2	1	2	2	2	2	2	2	2	2
Z MAXIMUM	4.120E+02	1.601E+02	6.901E+02	7.125E+03	6.203E+04	1.069E+04	3.196E+02	2.630E+02	6.901E+02	4.816E+04	4.502E+04	9.961E+03
GRAND TOTAL	7.086E+02	3.866E+02	1.307E+03	1.778E+04	1.001E+05	2.552E+04	5.600E+02	5.814E+02	1.307E+03	7.814E+04	7.351E+04	2.292E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 146)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	2	2	10	10
X MAXIMUM	2.944E+02	5.124E+02	8.582E+02	8.393E+04	5.942E+03	1.070E+04
Y	37	2	4	2	5	5
Y MAXIMUM	6.712E+01	6.405E+01	1.577E+02	1.049E+04	7.768E+03	3.816E+03
Z	10	2	2	2	1	2
Z MAXIMUM	1.601E+02	4.120E+02	6.901E+02	6.749E+04	6.546E+03	7.751E+03
GRAND TOTAL	3.866E+02	7.086E+02	1.307E+03	1.086E+05	1.346E+04	1.915E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 147)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	2	2	10	10	2	10	2	2	10
X MAXIMUM	2.943E+02	9.995E+02	1.434E+02	8.393E+04	9.338E+03	1.058E+04	2.943E+02	9.995E+02	1.434E+02	8.393E+04	9.332E+03	7.771E+03
Y	37	4	4	2	5	5	37	4	4	2	5	5
Y MAXIMUM	6.712E+01	1.393E+02	7.418E+01	1.049E+04	7.252E+03	4.722E+03	6.712E+01	1.393E+02	7.418E+01	1.049E+04	7.295E+03	4.813E+03
Z	10	2	4	2	2	10	10	2	4	2	2	10
Z MAXIMUM	1.601E+02	8.037E+02	1.199E+02	6.749E+04	7.508E+03	5.756E+03	1.601E+02	8.037E+02	1.199E+02	6.749E+04	7.503E+03	4.227E+03
GRAND TOTAL	3.866E+02	1.452E+03	3.196E+02	1.086E+05	1.761E+04	1.544E+04	3.866E+02	1.452E+03	3.196E+02	1.086E+05	1.793E+04	1.248E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 148)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	10	2	2	2	2	10	2	2	2	2	2	10
X MAXIMUM	2.943E+02	5.111E+02	8.590E+02	8.393E+04	6.862E+03	9.953E+03	3.967E+02	3.261E+02	8.590E+02	5.148E+04	7.149E+04	7.794E+03
Y	37	2	4	2	5	5	24	37	4	5	2	5
Y MAXIMUM	6.712E+01	6.389E+01	1.577E+02	1.049E+04	7.862E+03	3.817E+03	6.024E+01	5.353E+01	1.577E+02	6.489E+03	8.936E+03	3.600E+03
Z	10	2	2	2	1	2	2	2	2	2	2	10
Z MAXIMUM	1.601E+02	4.110E+02	6.907E+02	6.749E+04	6.138E+03	5.451E+03	3.190E+02	2.622E+02	6.907E+02	4.139E+04	5.748E+04	4.240E+03
GRAND TOTAL	3.866E+02	7.070E+02	1.308E+03	1.086E+05	1.466E+04	1.619E+04	5.592E+02	5.801E+02	1.308E+03	6.711E+04	9.292E+04	1.159E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 148)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	2	2	10
X MAXIMUM	5.111E+02	2.943E+02	8.590E+02	1.717E+04	9.424E+04	4.831E+03
Y	2	37	4	5	2	5
Y MAXIMUM	6.389E+01	6.712E+01	1.577E+02	8.077E+03	1.178E+04	3.107E+03
Z	2	10	2	2	2	10
Z MAXIMUM	4.110E+02	1.601E+02	6.907E+02	1.381E+04	7.577E+04	2.628E+03
GRAND TOTAL	7.070E+02	3.866E+02	1.308E+03	2.546E+04	1.222E+05	7.795E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 149)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	2	2	10	2	10	2	2	2	10
X MAXIMUM	5.132E+02	2.943E+02	8.577E+02	1.717E+04	9.424E+04	4.824E+03	5.132E+02	2.943E+02	8.577E+02	1.717E+04	9.938E+04	3.060E+03
Y	2	37	4	5	2	5	2	37	4	5	2	5
Y MAXIMUM	6.415E+01	6.712E+01	1.577E+02	8.084E+03	1.178E+04	3.088E+03	6.415E+01	6.712E+01	1.577E+02	8.084E+03	1.242E+04	2.744E+03
Z	2	10	2	2	2	10	2	10	2	2	2	10
Z MAXIMUM	4.126E+02	1.601E+02	6.897E+02	1.381E+04	7.577E+04	2.624E+03	4.126E+02	1.601E+02	6.897E+02	1.381E+04	7.991E+04	1.665E+03
GRAND TOTAL	7.097E+02	3.866E+02	1.307E+03	2.547E+04	1.222E+05	7.764E+03	7.097E+02	3.866E+02	1.307E+03	2.547E+04	1.291E+05	5.932E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 150)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	2	2	10	2	10	2	2	10	10	2	2	2
X MAXIMUM	5.120E+02	8.584E+02	2.943E+02	1.717E+04	3.064E+03	9.938E+04	9.690E+02	2.625E+02	2.943E+02	1.340E+04	1.064E+04	1.049E+05
Y	2	4	37	5	5	2	2	4	37	5	5	2
Y MAXIMUM	6.400E+01	1.577E+02	6.712E+01	8.081E+03	2.755E+03	1.242E+04	1.211E+02	1.062E+02	6.712E+01	7.462E+03	4.250E+03	1.311E+04
Z	2	2	10	2	10	2	2	2	10	2	2	2
Z MAXIMUM	4.117E+02	6.902E+02	1.601E+02	1.381E+04	1.667E+03	7.991E+04	7.791E+02	1.972E+02	1.601E+02	1.077E+04	8.551E+03	8.432E+04
GRAND TOTAL	7.082E+02	1.308E+03	3.866E+02	2.547E+04	5.955E+03	1.291E+05	1.385E+03	5.405E+02	3.866E+02	2.079E+04	1.545E+04	1.367E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 150)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	2	10	2	2	2
X MAXIMUM	8.587E+02	5.116E+02	2.943E+02	2.133E+03	1.657E+04	1.035E+05
Y	4	2	37	5	5	2
Y MAXIMUM	1.577E+02	6.395E+01	6.712E+01	2.072E+03	8.767E+03	1.294E+04
Z	2	2	10	2	2	2
Z MAXIMUM	6.904E+02	4.113E+02	1.601E+02	1.715E+03	1.332E+04	8.325E+04
GRAND TOTAL	1.308E+03	7.076E+02	3.866E+02	4.193E+03	2.604E+04	1.352E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 151)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	2	2	2	2	10	2	2	2	2
X MAXIMUM	8.573E+02	2.943E+02	5.139E+02	2.088E+03	1.035E+05	1.658E+04	8.573E+02	2.943E+02	5.139E+02	2.088E+03	1.022E+05	1.644E+04
Y	4	37	2	5	2	5	4	37	2	5	2	5
Y MAXIMUM	1.577E+02	6.712E+01	6.424E+01	2.048E+03	1.294E+04	8.773E+03	1.577E+02	6.712E+01	6.424E+01	2.048E+03	1.277E+04	8.924E+03
Z	2	10	2	2	2	2	2	10	2	2	2	2
Z MAXIMUM	6.893E+02	1.601E+02	4.132E+02	1.679E+03	8.325E+04	1.333E+04	6.893E+02	1.601E+02	4.132E+02	1.679E+03	8.216E+04	1.322E+04
GRAND TOTAL	1.306E+03	3.866E+02	7.107E+02	4.133E+03	1.352E+05	2.605E+04	1.306E+03	3.866E+02	7.107E+02	4.133E+03	1.334E+05	2.629E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 152)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	2	2	2	2	10	2	2	2	2
X MAXIMUM	9.141E+02	3.530E+02	7.385E+02	2.126E+03	1.022E+05	1.644E+04	9.141E+02	3.530E+02	7.385E+02	2.126E+03	8.809E+04	1.555E+04
Y	4	24	2	5	2	5	4	24	2	5	2	5
Y MAXIMUM	1.507E+02	8.749E+01	9.231E+01	2.069E+03	1.277E+04	8.920E+03	1.507E+02	8.749E+01	9.231E+01	2.069E+03	1.101E+04	1.019E+04
Z	2	10	2	2	2	2	2	10	2	2	2	2
Z MAXIMUM	7.349E+02	1.920E+02	5.938E+02	1.710E+03	8.216E+04	1.322E+04	7.349E+02	1.920E+02	5.938E+02	1.710E+03	7.083E+04	1.250E+04
GRAND TOTAL	1.354E+03	4.897E+02	9.745E+02	4.184E+03	1.334E+05	2.628E+04	1.354E+03	4.897E+02	9.745E+02	4.184E+03	1.155E+05	3.014E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 153)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	2	2	10	2	2	2	2	2	10	10	10	2
X MAXIMUM	9.144E+02	7.381E+02	3.530E+02	2.133E+03	1.555E+04	8.809E+04	8.103E+02	8.511E+02	3.530E+02	2.398E+03	1.564E+04	8.393E+04
Y	4	2	24	5	5	2	4	2	24	5	5	2
Y MAXIMUM	1.507E+02	9.226E+01	8.749E+01	2.073E+03	1.019E+04	1.101E+04	1.526E+02	1.064E+02	8.749E+01	7.035E+02	1.072E+04	1.049E+04
Z	2	2	10	2	2	2	2	2	10	10	2	2
Z MAXIMUM	7.352E+02	5.935E+02	1.920E+02	1.715E+03	1.250E+04	7.083E+04	6.515E+02	6.843E+02	1.920E+02	1.305E+03	1.242E+04	6.748E+04
GRAND TOTAL	1.354E+03	9.740E+02	4.897E+02	4.193E+03	3.014E+04	1.155E+05	1.240E+03	1.116E+03	4.897E+02	3.174E+03	3.172E+04	1.102E+05



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 153)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	2	10	10	10	2
X MAXIMUM	6.923E+02	9.495E+02	3.530E+02	4.538E+03	1.703E+04	7.921E+04
Y	4	2	24	37	5	2
Y MAXIMUM	1.519E+02	1.187E+02	8.749E+01	7.608E+02	1.107E+04	9.901E+03
Z	2	2	10	10	2	2
Z MAXIMUM	5.567E+02	7.634E+02	1.920E+02	2.469E+03	1.213E+04	6.369E+04
GRAND TOTAL	1.110E+03	1.245E+03	4.897E+02	6.176E+03	3.285E+04	1.042E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 154)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	10	2	10	2	10	2	10
X MAXIMUM	6.931E+02	3.530E+02	9.489E+02	4.524E+03	7.921E+04	1.704E+04	6.931E+02	3.530E+02	9.489E+02	4.524E+03	7.851E+04	1.730E+04
Y	4	24	2	37	2	5	4	24	2	37	2	5
Y MAXIMUM	1.519E+02	8.749E+01	1.186E+02	7.583E+02	9.901E+03	1.107E+04	1.519E+02	8.749E+01	1.186E+02	7.583E+02	9.813E+03	1.112E+04
Z	2	10	2	10	2	2	2	10	2	10	2	2
Z MAXIMUM	5.573E+02	1.920E+02	7.630E+02	2.461E+03	6.369E+04	1.213E+04	5.573E+02	1.920E+02	7.630E+02	2.461E+03	6.312E+04	1.210E+04
GRAND TOTAL	1.111E+03	4.897E+02	1.244E+03	6.152E+03	1.042E+05	3.286E+04	1.111E+03	4.897E+02	1.244E+03	6.152E+03	1.033E+05	3.309E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 155)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	2	2	10	2	10	2	2	2	10	2	10
X MAXIMUM	6.916E+02	9.705E+01	9.500E+02	4.552E+03	7.851E+04	1.729E+04	6.916E+02	9.705E+01	9.500E+02	4.552E+03	4.279E+04	1.463E+04
Y	4	37	2	37	2	5	4	37	2	37	2	5
Y MAXIMUM	1.518E+02	1.024E+02	1.188E+02	7.631E+02	9.813E+03	1.111E+04	1.518E+02	1.024E+02	1.188E+02	7.631E+02	5.349E+03	8.645E+03
Z	2	2	2	10	2	2	2	2	2	10	2	2
Z MAXIMUM	5.561E+02	7.803E+01	7.639E+02	2.476E+03	6.312E+04	1.210E+04	5.561E+02	7.803E+01	7.639E+02	2.476E+03	3.441E+04	9.168E+03
GRAND TOTAL	1.109E+03	2.252E+02	1.246E+03	6.199E+03	1.033E+05	3.308E+04	1.109E+03	2.252E+02	1.246E+03	6.199E+03	5.795E+04	2.750E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 156)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	10	2	10	2	10	2	10
X MAXIMUM	6.916E+02	1.080E+02	1.159E+03	4.553E+03	4.279E+04	1.463E+04	6.916E+02	1.080E+02	1.159E+03	4.553E+03	4.438E+04	6.511E+03
Y	4	5	2	37	2	5	4	5	2	37	2	5
Y MAXIMUM	1.519E+02	7.258E+01	1.449E+02	7.630E+02	5.349E+03	8.645E+03	1.519E+02	7.258E+01	1.449E+02	7.630E+02	5.548E+03	3.847E+03
Z	2	2	2	10	2	2	2	2	2	10	2	10
Z MAXIMUM	5.561E+02	7.998E+01	9.322E+02	2.477E+03	3.441E+04	9.168E+03	5.561E+02	7.998E+01	9.322E+02	2.477E+03	3.569E+04	3.542E+03
GRAND TOTAL	1.110E+03	2.140E+02	1.499E+03	6.202E+03	5.795E+04	2.750E+04	1.110E+03	2.140E+02	1.499E+03	6.202E+03	5.927E+04	1.367E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 157)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	10	2	10	2	10	2	10
X MAXIMUM	6.918E+02	1.544E+02	1.257E+03	4.552E+03	4.438E+04	6.511E+03	6.918E+02	1.544E+02	1.257E+03	4.552E+03	1.389E+05	5.100E+03
Y	4	5	2	37	2	5	4	5	2	37	2	5
Y MAXIMUM	1.519E+02	8.048E+01	1.571E+02	7.635E+02	5.548E+03	3.847E+03	1.519E+02	8.048E+01	1.571E+02	7.635E+02	1.736E+04	2.865E+03
Z	2	10	2	10	2	10	2	10	2	10	2	10
Z MAXIMUM	5.563E+02	8.400E+01	1.010E+03	2.477E+03	3.569E+04	3.542E+03	5.563E+02	8.400E+01	1.010E+03	2.477E+03	1.117E+05	3.021E+03
GRAND TOTAL	1.110E+03	3.128E+02	1.637E+03	6.201E+03	5.927E+04	1.367E+04	1.110E+03	3.128E+02	1.637E+03	6.201E+03	1.799E+05	1.001E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 158)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	10	2	10	2	10	2	10
X MAXIMUM	6.921E+02	1.637E+02	1.270E+03	4.554E+03	1.389E+05	5.099E+03	6.921E+02	1.637E+02	1.270E+03	4.554E+03	1.866E+05	1.125E+04
Y	4	37	2	37	2	5	4	37	2	37	2	5
Y MAXIMUM	1.520E+02	9.893E+01	1.587E+02	7.631E+02	1.736E+04	2.865E+03	1.520E+02	9.893E+01	1.587E+02	7.631E+02	2.333E+04	5.949E+03
Z	2	10	2	10	2	2	2	10	2	10	2	2
Z MAXIMUM	5.565E+02	8.904E+01	1.021E+03	2.477E+03	1.117E+05	3.021E+03	5.565E+02	8.904E+01	1.021E+03	2.477E+03	1.501E+05	6.124E+03
GRAND TOTAL	1.111E+03	3.468E+02	1.659E+03	6.202E+03	1.799E+05	1.001E+04	1.111E+03	3.468E+02	1.659E+03	6.202E+03	2.419E+05	2.290E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 159)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	32	32	0	32	9	9	32	32	0	32	32
X MAXIMUM	4.530E+01	2.223E+02	3.681E+02	0.	1.831E-04	3.453E-04	4.530E+01	2.223E+02	3.681E+02	0.	1.878E+03	1.134E+03
Y	27	9	32	0	9	9	27	9	32	0	32	9
Y MAXIMUM	9.617E+01	6.352E+01	1.032E+02	0.	2.479E-04	4.942E-04	9.617E+01	6.352E+01	1.032E+02	0.	5.265E+02	3.239E+02
Z	12	32	32	0	11	12	12	32	32	0	32	32
Z MAXIMUM	7.416E+01	1.356E+02	2.246E+02	0.	1.543E-04	7.407E-04	7.416E+01	1.356E+02	2.246E+02	0.	1.146E+03	6.917E+02
GRAND TOTAL	2.296E+02	2.955E+02	4.761E+02	0.	4.955E-04	1.292E-03	2.296E+02	2.955E+02	4.761E+02	0.	2.428E+03	1.507E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 160)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	3	0	3	3	3	11	3	0	3	11
X MAXIMUM	3.208E+02	4.919E+02	1.983E+03	0.	3.427E-03	1.962E-03	3.208E+02	4.919E+02	1.983E+03	0.	4.521E+04	1.122E+04
Y	16	12	3	0	3	3	16	12	3	0	3	12
Y MAXIMUM	5.479E+02	4.413E+02	2.444E+02	0.	3.333E-04	2.075E-04	5.479E+02	4.413E+02	2.444E+02	0.	5.572E+03	1.006E+04
Z	13	11	3	0	3	11	13	11	3	0	3	11
Z MAXIMUM	2.921E+02	1.874E+03	3.331E+02	0.	4.571E-04	3.725E-04	2.921E+02	1.874E+03	3.331E+02	0.	7.595E+03	4.272E+04
GRAND TOTAL	9.907E+02	2.153E+03	2.054E+03	0.	3.484E-03	2.042E-03	9.907E+02	2.153E+03	2.054E+03	0.	4.682E+04	4.908E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 161)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	9	9	0	3	9	32	9	9	0	9	9
X MAXIMUM	2.324E+02	1.378E+02	2.278E+02	0.	9.187E-05	3.453E-04	2.324E+02	1.378E+02	2.278E+02	0.	1.162E+03	7.026E+02
Y	27	12	9	0	27	9	27	12	9	0	9	12
Y MAXIMUM	1.435E+02	2.442E+02	3.547E+02	0.	1.864E-04	4.902E-04	1.435E+02	2.442E+02	3.547E+02	0.	1.809E+03	1.245E+03
Z	32	12	11	0	11	15	32	12	11	0	11	12
Z MAXIMUM	1.418E+02	3.158E+02	4.198E+02	0.	1.836E-04	3.624E-04	1.418E+02	3.158E+02	4.198E+02	0.	2.141E+03	1.610E+03
GRAND TOTAL	4.471E+02	6.680E+02	8.060E+02	0.	3.755E-04	1.063E-03	4.471E+02	6.680E+02	8.060E+02	0.	4.111E+03	3.407E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 162)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	0	10	10	10	10	10	0	10	10
X MAXIMUM	1.180E+02	2.922E+02	1.815E+02	0.	7.325E-04	2.442E-04	1.180E+02	2.922E+02	1.815E+02	0.	7.425E+02	1.196E+03
Y	5	10	29	0	5	5	5	10	29	0	29	10
Y MAXIMUM	1.310E+02	4.251E+01	3.539E+01	0.	2.518E-04	9.283E-05	1.310E+02	4.251E+01	3.539E+01	0.	1.448E+02	1.740E+02
Z	10	10	10	0	2	10	10	10	10	0	10	10
Z MAXIMUM	6.420E+01	1.589E+02	9.872E+01	0.	4.401E-04	9.651E-05	6.420E+01	1.589E+02	9.872E+01	0.	4.039E+02	6.504E+02
GRAND TOTAL	2.088E+02	4.067E+02	2.710E+02	0.	1.111E-03	3.095E-04	2.088E+02	4.067E+02	2.710E+02	0.	1.109E+03	1.664E+03

# SUMMARY OF SUPPORT FORCES/MOMENTS IN GLOBAL/LOCAL SYSTEMS

BDRY= BOUNDARY ELEMENTS (SPRING)  
 THAM= THERMAL ANCHOR MOTION  
 SEAM= SEISMIC ANCHOR MOTION  
 SNBR= SNUBBER ELEMENT

LOAD CASE 1 IND SUP MOT BENCHMARK 4 SRSS

KIND OF SUPPORT	NODE NUMBER	FX	FY	GLOBAL FZ	COMPONENTS MX	MY	MZ	LOCAL COMPONENTS FL	ML
BDRY	1	2416.	0.	0.	0.	0.	0.	2416.	0.
BDRY	1	0.	1497.	0.	0.	0.	0.	1497.	0.
BDRY	1	0.	0.	1523.	0.	0.	0.	1523.	0.
BDRY	17	0.	24.	0.	0.	0.	0.	24.	0.
BDRY	29	0.	1484.	0.	0.	0.	0.	1484.	0.
BDRY	37	0.	0.	2524.	0.	0.	0.	2524.	0.
BDRY	43	3019.	0.	232.	0.	0.	0.	3028.	0.
BDRY	49	0.	2094.	0.	0.	0.	0.	2094.	0.
BDRY	51	0.	176.	2295.	0.	0.	0.	2302.	0.
BDRY	56	1262.	0.	91.	0.	0.	0.	1265.	0.
BDRY	62	0.	34.	0.	0.	0.	0.	34.	0.
BDRY	67	1933.	0.	4658.	0.	0.	0.	5043.	0.
BDRY	72	0.	1857.	0.	0.	0.	0.	1857.	0.
BDRY	74	1966.	1329.	4748.	0.	0.	0.	5308.	0.
BDRY	87	0.	84.	0.	0.	0.	0.	84.	0.
BDRY	89	0.	3878.	0.	0.	0.	0.	3878.	0.
BDRY	94	2593.	0.	0.	0.	0.	0.	2593.	0.
BDRY	94	0.	3706.	0.	0.	0.	0.	3706.	0.
BDRY	94	0.	0.	681.	0.	0.	0.	681.	0.
BDRY	108	0.	36.	0.	0.	0.	0.	36.	0.
BDRY	112	1297.	0.	0.	0.	0.	0.	1297.	0.
BDRY	117	0.	255.	1200.	0.	0.	0.	1227.	0.
BDRY	119	0.	655.	0.	0.	0.	0.	655.	0.
BDRY	127	89.	0.	858.	0.	0.	0.	863.	0.
BDRY	133	0.	531.	0.	0.	0.	0.	531.	0.
BDRY	135	0.	200.	389.	0.	0.	0.	437.	0.
BDRY	141	942.	0.	298.	0.	0.	0.	988.	0.
BDRY	145	0.	0.	1674.	0.	0.	0.	1674.	0.
BDRY	149	0.	1008.	0.	0.	0.	0.	1008.	0.
BDRY	157	0.	68.	0.	0.	0.	0.	68.	0.
BDRY	165	3203.	875.	1360.	0.	0.	0.	3588.	0.
BDRY	169	0.	905.	0.	0.	0.	0.	905.	0.
BDRY	188	0.	589.	0.	0.	0.	0.	589.	0.
BDRY	192	685.	0.	0.	0.	0.	0.	685.	0.
BDRY	192	0.	347.	0.	0.	0.	0.	347.	0.
BDRY	192	0.	0.	1876.	0.	0.	0.	1876.	0.

Problem 4c

Independent Support Motion Solution  
Absolute Group Combination

COMBINATION OF INDIVIDUAL SUPPORT GROUP RESPONSES

KIND=1 SUPPORT COMBINATION AFTER SAP SUMMATION

KIND=1 SUPPORT COMBINATION DONE FIRST

GROUP COMBINATION TYPE= 2

ALGEBRAIC METHOD	= 1
ABSOLUTE METHOD	= 2
SRSS METHOD	= 3

N O D E NUMBER	D I S P L A C E M E N T S / R O T A T I O N S MODE NUMBER							A C C E L E R A T I O N S I N G ' S		
		X- TRANSLATION	Y- TRANSLATION	Z- TRANSLATION	X- ROTATION	Y- ROTATION	Z- ROTATION	X- DIRECTION	Y- DIRECTION	Z- DIRECTION
1	TOTAL..	3.03268E-05	2.11946E-05	1.91745E-05	0.	0.	0.			
2	TOTAL..	0.	0.	0.	0.	0.	0.			
3	TOTAL..	0.	0.	0.	0.	0.	0.			
4	TOTAL..	0.	0.	0.	0.	0.	0.			
5	TOTAL..	1.24566E-04	8.26512E-05	2.60907E-05	4.44235E-06	6.63704E-06	1.46185E-06			
6	TOTAL..	1.59766E-03	1.10413E-03	2.67697E-04	6.17381E-05	8.90809E-05	2.81150E-05			
7	TOTAL..	3.04041E-03	2.15283E-03	5.28010E-04	1.64112E-04	2.24876E-04	9.40801E-05			
8	TOTAL..	4.11718E-03	2.95807E-03	6.24911E-04	2.67019E-04	3.47139E-04	1.15390E-04			
9	TOTAL..	4.14346E-03	2.97818E-03	6.23315E-04	2.67787E-04	3.48056E-04	1.15897E-04			
10	TOTAL..	9.88037E-03	7.83165E-03	2.26670E-03	5.53677E-04	6.82753E-04	2.34934E-04			
11	TOTAL..	1.30942E-02	1.10271E-02	5.20647E-03	6.12951E-04	7.34194E-04	2.67880E-04			
12	TOTAL..	1.47725E-02	1.27387E-02	6.76979E-03	6.17087E-04	7.37453E-04	2.70296E-04			
13	TOTAL..	1.56988E-02	1.36878E-02	7.63030E-03	6.19301E-04	7.39103E-04	2.71618E-04			
14	TOTAL..	2.18180E-02	2.00230E-02	1.33312E-02	6.32899E-04	7.47578E-04	2.80274E-04			
15	TOTAL..	2.09424E-02	2.00230E-02	1.37767E-02	6.32899E-04	7.47578E-04	2.80274E-04			
16	TOTAL..	3.06394E-02	2.93007E-02	2.15524E-02	6.50098E-04	7.54102E-04	2.93336E-04			
17	TOTAL..	3.23327E-02	3.11038E-02	2.31284E-02	6.71663E-04	7.58630E-04	3.12194E-04			



18 TOTAL..	0.	0.	0.	0.	0.	0.
19 TOTAL..	3.39969E-02	3.29112E-02	2.46844E-02	6.92590E-04	7.61946E-04	3.31954E-04
20 TOTAL..	5.00312E-02	4.37224E-02	3.24430E-02	9.84429E-04	7.82565E-04	7.41527E-04
21 TOTAL..	5.58178E-02	4.37277E-02	3.44733E-02	1.02404E-03	7.95477E-04	7.84375E-04
22 TOTAL..	7.00275E-02	4.37314E-02	1.52005E-02	1.07887E-03	8.19040E-04	8.33851E-04
23 TOTAL..	7.77120E-02	4.37334E-02	5.29454E-02	1.08902E-03	8.39902E-04	8.35539E-04
24 TOTAL..	8.61998E-02	4.37229E-02	6.24899E-02	1.09001E-03	8.62890E-04	7.99945E-04
25 TOTAL..	1.05057E-01	4.36973E-02	8.71569E-02	1.04857E-03	9.47185E-04	6.59568E-04
26 TOTAL..	1.09396E-01	4.36873E-02	9.37046E-02	1.02809E-03	9.75608E-04	6.09864E-04
27 TOTAL..	1.10908E-01	4.36836E-02	9.60966E-02	1.02008E-03	9.86639E-04	5.90799E-04
28 TOTAL..	1.10237E-01	3.67137E-02	9.82259E-02	8.74587E-04	1.24117E-03	2.20525E-04
29 TOTAL..	1.06827E-01	3.36338E-02	9.19150E-02	8.34563E-04	1.28794E-03	1.73407E-04
30 TOTAL..	0.	0.	0.	0.	0.	0.
31 TOTAL..	1.06299E-01	3.32054E-02	9.08470E-02	8.27616E-04	1.29642E-03	1.67341E-04
32 TOTAL..	1.01520E-01	2.96244E-02	7.97103E-02	8.16254E-04	1.31090E-03	1.60691E-04
33 TOTAL..	1.01090E-01	2.96244E-02	7.74400E-02	8.16254E-04	1.31090E-03	1.60691E-04
34 TOTAL..	9.87283E-02	2.83932E-02	6.97800E-02	8.04768E-04	1.32644E-03	1.58782E-04
35 TOTAL..	9.81917E-02	2.87369E-02	6.56695E-02	7.64765E-04	1.37730E-03	1.61549E-04
36 TOTAL..	9.83107E-02	2.85097E-02	5.93546E-02	6.90775E-04	1.59685E-03	2.00484E-04

37 TOTAL...	9.82796E-02	2.64816E-02	5.80274E-02	6.37832E-04	1.69010E-03	2.27434E-04
38 TOTAL...	0.	0.	0.	0.	0.	0.
39 TOTAL...	9.82159E-02	2.14010E-02	8.00066E-02	5.97778E-04	1.87270E-03	3.00199E-04
40 TOTAL...	9.81330E-02	1.48707E-02	1.21697E-01	6.60664E-04	2.03025E-03	4.12584E-04
41 TOTAL...	8.94937E-02	1.08078E-02	1.41429E-01	8.28407E-04	2.21432E-03	7.55847E-04
42 TOTAL...	8.83797E-02	1.08085E-02	1.40199E-01	8.39093E-04	2.22567E-03	7.62982E-04
43 TOTAL...	7.09787E-02	1.08177E-02	1.18260E-01	1.02188E-03	2.41075E-03	7.55691E-04
44 TOTAL...	0.	0.	0.	0.	0.	0.
45 TOTAL...	5.44190E-02	1.08300E-02	8.20574E-02	1.29565E-03	2.67019E-03	6.32519E-04
46 TOTAL...	3.68787E-02	1.08483E-02	4.06091E-02	1.88337E-03	3.22294E-03	5.33595E-04
47 TOTAL...	3.61145E-02	1.08490E-02	4.64099E-02	1.92121E-03	3.25753E-03	5.44014E-04
48 TOTAL...	3.25545E-02	2.26428E-03	2.30759E-02	2.33464E-03	3.47237E-03	9.22450E-04
49 TOTAL...	3.25550E-02	3.93850E-03	1.28820E-02	2.37662E-03	3.49110E-03	9.47157E-04
50 TOTAL...	0.	0.	0.	0.	0.	0.
51 TOTAL...	3.25557E-02	7.12363E-03	3.80719E-03	2.42738E-03	3.51330E-03	9.75735E-04
52 TOTAL...	0.	0.	0.	0.	0.	0.
53 TOTAL...	3.25625E-02	4.82203E-02	1.39113E-01	2.98837E-03	3.71791E-03	1.12204E-03
54 TOTAL...	3.25596E-02	5.90727E-02	1.75360E-01	3.13515E-03	3.76581E-03	1.11973E-03
55 TOTAL...	2.81047E-02	7.49266E-02	1.91985E-01	3.55157E-03	3.95419E-03	1.14910E-03

56 TOTAL...	2.89333E-02	7.49379E-02	1.77160E-01	3.60759E-03	4.00446E-03	1.16729E-03
57 TOTAL...	0.	0.	0.	0.	0.	0.
58 TOTAL...	6.73425E-02	7.50254E-02	1.30814E-01	3.92478E-03	4.43341E-03	1.33146E-03
59 TOTAL...	1.88214E-01	7.51305E-02	4.01327E-01	3.93140E-03	5.45327E-03	1.66731E-03
60 TOTAL...	2.14975E-01	7.51373E-02	4.63548E-01	3.84010E-03	5.66926E-03	1.75121E-03
61 TOTAL...	1.73821E-01	7.33186E-02	5.49663E-01	3.53987E-03	6.02468E-03	1.95267E-03
62 TOTAL...	1.61896E-01	7.87739E-02	5.56446E-01	3.51694E-03	6.05204E-03	1.98269E-03
63 TOTAL...	0.	0.	0.	0.	0.	0.
64 TOTAL...	1.35821E-01	9.82424E-02	5.74075E-01	3.45826E-03	6.11995E-03	2.06143E-03
65 TOTAL...	1.31699E-01	1.33120E-01	5.21855E-01	3.07043E-03	6.63009E-03	2.41719E-03
66 TOTAL...	1.64809E-01	1.08208E-01	3.88654E-01	2.92418E-03	6.81928E-03	2.59135E-03
67 TOTAL...	2.84798E-01	4.42765E-02	9.03170E-02	2.62378E-03	7.22755E-03	2.95739E-03
68 TOTAL...	0.	0.	0.	0.	0.	0.
69 TOTAL...	3.39475E-01	4.62241E-02	1.37390E-01	2.53334E-03	7.26625E-03	3.05904E-03
70 TOTAL...	3.39723E-01	4.63038E-02	1.37875E-01	2.53298E-03	7.26599E-03	3.05946E-03
71 TOTAL...	4.72126E-01	3.31358E-02	1.87695E-01	2.36175E-03	6.84932E-03	3.26611E-03
72 TOTAL...	4.91122E-01	3.24769E-02	1.80597E-01	2.35526E-03	6.82194E-03	3.28486E-03
73 TOTAL...	0.	0.	0.	0.	0.	0.
74 TOTAL...	5.09526E-01	3.49651E-02	1.73836E-01	2.34948E-03	6.79547E-03	3.30321E-03

75 TOTAL...	0.	0.	0.	0.	0.	0.
76 TOTAL...	5.64519E-01	5.42385E-02	1.54461E-01	2.33070E-03	6.70798E-03	3.35705E-03
77 TOTAL...	6.61908E-01	1.02519E-01	1.23666E-01	2.32399E-03	6.67977E-03	3.36979E-03
78 TOTAL...	5.87268E-01	1.02519E-01	1.18295E-01	2.32399E-03	6.67977E-03	3.36979E-03
79 TOTAL...	6.94051E-01	1.19506E-01	1.14930E-01	2.31750E-03	6.66947E-03	3.38270E-03
80 TOTAL...	7.59090E-01	1.54439E-01	1.00585E-01	2.30471E-03	6.65093E-03	3.40887E-03
81 TOTAL...	8.27974E-01	1.92627E-01	9.21523E-02	2.09104E-03	6.38727E-03	3.87153E-03
82 TOTAL...	8.04277E-01	2.41113E-01	9.91553E-02	4.17993E-04	2.97283E-03	7.70218E-03
83 TOTAL...	6.88414E-01	2.41101E-01	9.74217E-02	3.70183E-04	2.72865E-03	8.01512E-03
84 TOTAL...	2.64908E-01	2.41023E-01	7.90132E-02	5.56904E-04	1.89584E-03	8.17291E-03
85 TOTAL...	2.64121E-01	2.41023E-01	7.89635E-02	5.57316E-04	1.89433E-03	8.17178E-03
86 TOTAL...	1.63855E-01	1.51122E-01	5.38982E-02	1.15146E-03	1.20754E-03	5.45875E-03
87 TOTAL...	1.65951E-01	1.20722E-01	4.93915E-02	1.14136E-03	1.15429E-03	5.32187E-03
88 TOTAL...	0.	0.	0.	0.	0.	0.
89 TOTAL...	1.69002E-01	7.40535E-02	4.34169E-02	1.11768E-03	1.07546E-03	5.09533E-03
90 TOTAL...	0.	0.	0.	0.	0.	0.
91 TOTAL...	1.70297E-01	5.37115E-02	4.12164E-02	1.10319E-03	1.04130E-03	4.99717E-03
92 TOTAL...	1.20159E-01	9.40861E-04	2.41477E-02	5.80985E-04	6.70410E-04	2.70565E-03

93 TOTAL...	6.45362E-02	6.66583E-04	1.28850E-02	4.49845E-04	4.65789E-04	2.22464E-03
94 TOTAL...	2.94352E-05	4.20787E-05	8.23078E-06	0.	0.	0.
95 TOTAL...	0.	0.	0.	0.	0.	0.
96 TOTAL...	0.	0.	0.	0.	0.	0.
97 TOTAL...	0.	0.	0.	0.	0.	0.
98 TOTAL...	8.05933E-02	4.68470E-02	5.36734E-02	1.08811E-03	8.52324E-04	9.29902E-04
99 TOTAL...	8.06025E-02	4.68564E-02	5.36773E-02	1.08811E-03	8.52354E-04	9.30336E-04
100 TOTAL...	8.36771E-02	5.03401E-02	5.45968E-02	1.09362E-03	8.54884E-04	1.06304E-03
101 TOTAL...	9.88657E-02	5.62788E-02	6.49319E-02	1.11744E-03	8.12553E-04	1.74767E-03
102 TOTAL...	1.01548E-01	5.62841E-02	6.68531E-02	1.12731E-03	8.04327E-04	1.79319E-03
103 TOTAL...	1.77841E-01	5.63759E-02	1.08747E-01	1.33376E-03	7.23683E-04	2.43118E-03
104 TOTAL...	1.93593E-01	6.45510E-02	1.15847E-01	1.58843E-03	7.78442E-04	2.65016E-03
105 TOTAL...	1.89947E-01	8.34297E-02	1.14098E-01	1.67330E-03	8.16136E-04	2.70252E-03
106 TOTAL...	1.86569E-01	9.70563E-02	1.13383E-01	1.80556E-03	8.79036E-04	2.76148E-03
107 TOTAL...	1.66679E-01	1.52423E-01	1.13397E-01	1.79928E-03	9.87610E-04	3.00616E-03
108 TOTAL...	1.46285E-01	1.94640E-01	1.13383E-01	1.49519E-03	1.07281E-03	3.24549E-03
109 TOTAL...	0.	0.	0.	0.	0.	0.
110 TOTAL...	1.20640E-01	2.25449E-01	1.13369E-01	1.02839E-03	1.22209E-03	3.50376E-03

111 TOTAL...	4.38923E-02	2.42827E-01	1.13302E-01	5.83927E-04	1.92628E-03	4.08542E-03
112 TOTAL...	3.19840E-02	2.28824E-01	1.13248E-01	9.94787E-04	2.51718E-03	4.40008E-03
113 TOTAL...	0.	0.	0.	0.	0.	0.
114 TOTAL...	1.51288E-01	1.85009E-01	1.13159E-01	1.40680E-03	3.00109E-03	4.94829E-03
115 TOTAL...	1.74860E-01	1.75650E-01	1.13133E-01	1.41870E-03	2.94687E-03	5.05199E-03
116 TOTAL...	2.00204E-01	1.18549E-01	9.10321E-02	1.34783E-03	2.56258E-03	5.24370E-03
117 TOTAL...	2.00217E-01	8.70580E-02	7.77834E-02	1.30052E-03	2.45389E-03	5.26346E-03
118 TOTAL...	0.	0.	0.	0.	0.	0.
119 TOTAL...	2.00249E-01	1.20270E-02	5.09280E-02	1.18652E-03	2.18669E-03	5.22275E-03
120 TOTAL...	0.	0.	0.	0.	0.	0.
121 TOTAL...	2.00293E-01	1.01006E-01	3.79972E-02	1.04029E-03	1.94090E-03	5.02761E-03
122 TOTAL...	1.87477E-01	1.37264E-01	4.33585E-02	9.88993E-04	1.91843E-03	4.72323E-03
123 TOTAL...	1.72452E-01	1.25822E-01	4.33520E-02	9.66835E-04	2.02226E-03	4.49747E-03
124 TOTAL...	2.24742E-01	3.89518E-02	4.32237E-02	9.79581E-04	2.38983E-03	3.25384E-03
125 TOTAL...	2.80246E-01	2.12126E-02	4.31560E-02	9.17903E-04	2.37225E-03	3.08471E-03
126 TOTAL...	2.80786E-01	2.22878E-02	4.07740E-02	7.82985E-04	2.43566E-03	3.00869E-03
127 TOTAL...	2.75679E-01	2.22872E-02	4.01970E-02	7.67278E-04	2.45539E-03	3.00601E-03
128 TOTAL...	0.	0.	0.	0.	0.	0.
129 TOTAL...	2.23962E-01	2.22778E-02	4.32238E-02	6.40817E-04	2.90441E-03	2.97200E-03



130 TOTAL...	2.69173E-01	2.22483E-02	8.61178E-02	1.17939E-03	4.36634E-03	2.40941E-03
131 TOTAL...	2.87309E-01	2.22420E-02	1.00300E-01	1.32078E-03	4.63086E-03	2.20531E-03
132 TOTAL...	2.98710E-01	5.81566E-03	6.90021E-02	1.53762E-03	4.96078E-03	1.68373E-03
133 TOTAL...	2.98711E-01	2.85793E-03	5.45180E-02	1.58272E-03	5.00470E-03	1.63632E-03
134 TOTAL...	0.	0.	0.	0.	0.	0.
135 TOTAL...	2.98712E-01	1.88526E-02	1.76436E-02	1.76465E-03	5.17234E-03	1.45292E-03
136 TOTAL...	0.	0.	0.	0.	0.	0.
137 TOTAL...	2.98718E-01	7.32095E-02	2.83837E-01	2.54628E-03	5.62962E-03	7.48218E-04
138 TOTAL...	2.98689E-01	6.77854E-02	8.57128E-01	4.13993E-03	5.65177E-03	9.54842E-04
139 TOTAL...	2.98675E-01	5.04398E-02	9.70334E-01	4.46552E-03	5.59570E-03	1.30690E-03
140 TOTAL...	2.94748E-01	4.21084E-02	9.77887E-01	4.76857E-03	5.53349E-03	1.89482E-03
141 TOTAL...	2.90509E-01	4.21093E-02	9.01965E-01	4.93699E-03	5.55533E-03	2.14943E-03
142 TOTAL...	0.	0.	0.	0.	0.	0.
143 TOTAL...	3.17896E-01	4.21124E-02	6.24744E-01	5.30052E-03	5.81097E-03	2.63603E-03
144 TOTAL...	5.03395E-01	4.21100E-02	7.37781E-02	4.52485E-03	7.01542E-03	2.54051E-03
145 TOTAL...	5.31496E-01	4.21085E-02	2.70729E-02	4.31319E-03	7.23810E-03	2.48939E-03
146 TOTAL...	0.	0.	0.	0.	0.	0.
147 TOTAL...	5.69529E-01	4.21064E-02	9.36889E-02	4.02189E-03	7.56205E-03	2.46318E-03

148 TOTAL..	5.60140E-01	1.24963E-02	1.51149E-01	3.64330E-03	7.85261E-03	2.53240E-03
149 TOTAL..	5.49164E-01	2.53672E-03	1.68280E-01	3.56483E-03	7.86745E-03	2.55451E-03
150 TOTAL..	0.	0.	0.	0.	0.	0.
151 TOTAL..	4.66782E-01	9.78985E-02	3.48617E-01	3.02189E-03	7.59341E-03	2.66443E-03
152 TOTAL..	3.64516E-01	2.31978E-01	6.06420E-01	2.47144E-03	6.05990E-03	2.59703E-03
153 TOTAL..	3.54694E-01	2.59035E-01	6.65399E-01	2.09720E-03	4.73388E-03	2.71362E-03
154 TOTAL..	3.57049E-01	2.59037E-01	6.70088E-01	2.06277E-03	4.52209E-03	2.73153E-03
155 TOTAL..	3.83159E-01	2.59046E-01	7.10167E-01	1.48868E-03	2.80056E-03	2.81817E-03
156 TOTAL..	3.82085E-01	2.55706E-01	7.15285E-01	6.29530E-04	2.14990E-03	2.94603E-03
157 TOTAL..	3.79682E-01	2.53430E-01	7.14849E-01	5.62441E-04	2.12348E-03	2.91971E-03
158 TOTAL..	0.	0.	0.	0.	0.	0.
159 TOTAL..	3.75732E-01	2.44959E-01	7.14789E-01	5.11327E-04	2.11035E-03	2.83831E-03
160 TOTAL..	3.75101E-01	2.38815E-01	7.15369E-01	5.21754E-04	2.11331E-03	2.82996E-03
161 TOTAL..	3.75146E-01	2.30487E-01	7.16333E-01	5.41561E-04	2.11556E-03	2.81850E-03
162 TOTAL..	3.82656E-01	2.30487E-01	7.16430E-01	5.41561E-04	2.11556E-03	2.81850E-03
163 TOTAL..	3.77649E-01	2.15168E-01	7.18560E-01	5.85971E-04	2.11467E-03	2.79582E-03
164 TOTAL..	3.80674E-01	2.07300E-01	7.20142E-01	7.58019E-04	2.13421E-03	2.72517E-03
165 TOTAL..	3.82943E-01	2.02976E-01	7.21173E-01	7.93132E-04	2.14423E-03	2.71214E-03

166 TOTAL ..	0.	0.	0.	0.	0.	0.
167 TOTAL ..	4.15948E-01	1.58048E-01	7.34143E-01	1.09283E-03	2.27950E-03	2.57858E-03
168 TOTAL ..	5.22041E-01	5.37327E-02	7.73072E-01	1.35448E-03	2.44900E-03	2.23338E-03
169 TOTAL ..	5.83558E-01	2.11670E-03	7.96331E-01	1.28791E-03	2.41991E-03	2.01946E-03
170 TOTAL ..	0.	0.	0.	0.	0.	0.
171 TOTAL ..	5.89467E-01	3.39111E-03	7.98615E-01	1.27541E-03	2.41459E-03	1.99801E-03
172 TOTAL ..	6.02199E-01	2.30201E-02	8.16742E-01	1.07051E-03	2.38403E-03	1.75724E-03
173 TOTAL ..	5.93347E-01	2.30201E-02	8.22095E-01	1.04376E-03	2.37980E-03	1.70489E-03
174 TOTAL ..	5.90188E-01	2.30200E-02	8.24071E-01	1.03572E-03	2.38093E-03	1.68589E-03
175 TOTAL ..	5.93065E-01	1.74635E-02	8.07035E-01	1.02414E-03	2.39351E-03	1.44142E-03
176 TOTAL ..	6.34549E-01	2.66132E-02	7.30732E-01	1.06010E-03	2.25606E-03	1.24715E-03
177 TOTAL ..	0.	0.	0.	0.	0.	0.
178 TOTAL ..	6.77735E-01	4.26878E-02	6.48656E-01	1.24948E-03	1.50562E-03	9.86032E-04
179 TOTAL ..	6.77778E-01	4.27034E-02	6.48568E-01	1.24990E-03	1.50390E-03	9.85613E-04
180 TOTAL ..	6.84661E-01	4.30888E-02	6.36137E-01	1.21406E-03	1.12727E-03	7.09037E-04
181 TOTAL ..	6.87420E-01	4.30861E-02	6.30832E-01	1.21807E-03	1.09529E-03	6.84735E-04
182 TOTAL ..	6.88420E-01	4.08035E-02	6.26645E-01	1.04009E-03	1.43343E-03	4.62943E-04
183 TOTAL ..	6.84815E-01	3.94768E-02	6.32481E-01	1.00782E-03	1.56187E-03	4.32351E-04
184 TOTAL ..	6.51192E-01	2.55594E-02	6.37358E-01	8.54451E-04	2.79031E-03	3.31380E-04

185 TOTAL..	6.44898E-01	2.32987E-02	6.33596E-01	8.42546E-04	2.87391E-03	3.20579E-04
186 TOTAL..	5.93617E-01	8.26891E-03	6.03075E-01	7.43260E-04	3.44174E-03	2.43513E-04
187 TOTAL..	5.64447E-01	1.67330E-03	5.80005E-01	6.76284E-04	3.72013E-03	2.06179E-04
188 TOTAL..	5.62530E-01	1.33057E-03	5.78042E-01	6.71131E-04	3.73869E-03	2.03828E-04
189 TOTAL..	4.54072E-01	1.41599E-02	4.66624E-01	4.25580E-04	4.47055E-03	1.45839E-04
190 TOTAL..	2.10821E-01	1.75924E-02	2.16689E-01	9.38206E-05	4.42102E-03	2.34737E-04
191 TOTAL..	2.90150E-02	3.59197E-03	2.98788E-02	8.02304E-05	2.07863E-03	1.58600E-04
192 TOTAL..	8.33664E-06	4.31250E-06	2.29590E-05	0.	0.	0.
193 TOTAL..	0.	0.	0.	0.	0.	0.
194 TOTAL..	0.	0.	0.	0.	0.	0.
195 TOTAL..	0.	0.	0.	0.	0.	0.

# RESPONSE SPECTRUM STRESS COMPONENTS (KIND = 2)

OR EACH ELEMENT, THE FOLLOWING INFORMATION IS PRINTED

1. FOR EACH EARTH QUAKE DIRECTION; THE NUMBER OF THE MODE WITH THE LARGEST STRESS.
  2. THE VALUE OF THAT STRESS.
  3. IF REQUESTED; THE MODE BY MODE STRESSES FOR EACH EARTH QUAKE DIRECTION.
  4. THE RESULTANT FOR EACH EARTH QUAKE DIRECTION.
  5. THE GRAND TOTAL OF THE THREE EARTH QUAKE DIRECTIONS.
- [NOTE THE X, Y, OR Z REFERS TO THE EARTH QUAKE DIRECTION.]

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)
X	32	3	9	9	9	12	32	3	9	9	9	12
X MAXIMUM	7.082E+02	5.276E+02	1.188E+03	3.806E+04	1.074E+05	4.528E+04	7.082E+02	5.276E+02	1.188E+03	3.806E+04	8.829E+04	4.019E+04
Y	12	27	9	9	9	12	12	27	9	9	9	12
Y MAXIMUM	8.677E+02	7.710E+02	1.523E+03	4.879E+04	1.377E+05	8.786E+04	8.677E+02	7.710E+02	1.523E+03	4.879E+04	1.132E+05	7.799E+04
Z	11	12	11	9	11	12	11	12	11	9	11	12
Z MAXIMUM	8.718E+02	6.000E+02	9.155E+02	2.541E+04	9.739E+04	8.606E+04	8.718E+02	6.000E+02	9.155E+02	2.541E+04	8.263E+04	7.638E+04
GRAND TOTAL	2.021E+03	2.045E+03	3.016E+03	8.226E+04	2.902E+05	2.007E+05	2.021E+03	2.045E+03	3.016E+03	8.226E+04	2.418E+05	1.721E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	3	9	9	9	12	32	3	9	9	9	12
X MAXIMUM	7.082E+02	5.275E+02	1.188E+03	3.804E+04	8.830E+04	4.019E+04	7.082E+02	5.275E+02	1.188E+03	3.804E+04	5.413E+04	3.111E+04
Y	12	27	9	9	9	12	12	27	9	9	9	12
Y MAXIMUM	8.675E+02	7.709E+02	1.523E+03	4.876E+04	1.132E+05	7.799E+04	8.675E+02	7.709E+02	1.523E+03	4.876E+04	6.940E+04	6.036E+04
Z	11	12	11	9	11	12	11	12	11	9	11	12
Z MAXIMUM	8.716E+02	6.003E+02	9.156E+02	2.539E+04	8.263E+04	7.638E+04	8.716E+02	6.003E+02	9.156E+02	2.539E+04	5.630E+04	5.912E+04
GRAND TOTAL	2.021E+03	2.045E+03	3.017E+03	8.221E+04	2.418E+05	1.721E+05	2.021E+03	2.045E+03	3.017E+03	8.221E+04	1.557E+05	1.267E+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)
X	32	3	9	9	9	12	32	3	9	9	32	12
X MAXIMUM	7.086E+02	5.278E+02	1.188E+03	3.809E+04	5.410E+04	3.111E+04	7.086E+02	5.278E+02	1.188E+03	3.809E+04	4.457E+04	2.831E+04
Y	12	27	9	9	9	12	12	27	9	9	9	12
Y MAXIMUM	8.683E+02	7.711E+02	1.523E+03	4.883E+04	8.935E+04	6.036E+04	8.683E+02	7.711E+02	1.523E+03	4.883E+04	5.585E+04	5.494E+04
Z	11	12	11	9	11	12	11	12	11	9	11	12
Z MAXIMUM	8.724E+02	5.995E+02	9.152E+02	2.543E+04	5.629E+04	5.912E+04	8.724E+02	5.995E+02	9.152E+02	2.543E+04	4.818E+04	5.381E+04
GRAND TOTAL	2.022E+03	2.044E+03	3.016E+03	8.232E+04	1.556E+05	1.263E+05	2.022E+03	2.044E+03	3.016E+03	8.232E+04	1.293E+05	1.147E+05

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

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	32	3	9	9	32	9	32	3	9	9	9	9
X MAXIMUM	7.074E+02	5.119E+02	1.189E+03	3.799E+04	4.435E+04	2.864E+04	7.229E+02	4.530E+02	1.189E+03	3.261E+04	4.500E+04	2.869E+04
Y	12	27	9	9	9	12	12	27	9	9	9	12
Y MAXIMUM	8.664E+02	7.740E+02	1.525E+03	4.870E+04	5.494E+04	5.388E+04	7.875E+02	7.393E+02	1.525E+03	4.180E+04	5.768E+04	5.270E+04
Z	11	12	11	9	11	12	11	12	11	9	11	12
Z MAXIMUM	8.706E+02	5.819E+02	9.265E+02	2.536E+04	4.932E+04	5.278E+04	8.206E+02	6.811E+02	9.265E+02	2.177E+04	5.000E+04	5.162E+04
GRAND TOTAL	2.020E+03	2.018E+03	3.035E+03	8.212E+04	1.298E+05	1.142E+05	1.983E+03	2.055E+03	3.035E+03	7.011E+04	1.313E+05	1.119E+05

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	12	9	9	9	9
X MAXIMUM	7.275E+02	4.052E+02	1.189E+03	2.701E+04	4.646E+04	2.868E+04
Y	12	12	9	9	9	12
Y MAXIMUM	6.968E+02	7.862E+02	1.525E+03	3.463E+04	5.956E+04	5.134E+04
Z	11	12	11	9	11	12
Z MAXIMUM	7.583E+02	7.701E+02	9.265E+02	1.803E+04	4.993E+04	5.028E+04
GRAND TOTAL	1.947E+03	2.089E+03	3.035E+03	5.935E+04	1.312E+05	1.093E+05

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)
X	3	12	32	9	9	9	3	12	32	9	9	9
X MAXIMUM	6.623E+02	4.145E+02	1.156E+03	2.091E+04	4.719E+04	3.236E+04	6.623E+02	4.145E+02	1.156E+03	2.091E+04	4.711E+04	3.236E+04
Y	9	12	9	9	9	12	9	12	9	9	9	12
Y MAXIMUM	6.721E+02	8.043E+02	1.418E+03	2.680E+04	6.049E+04	5.125E+04	6.721E+02	8.043E+02	1.418E+03	2.680E+04	6.039E+04	5.119E+04
Z	11	12	11	11	11	12	11	12	11	11	11	12
Z MAXIMUM	5.572E+02	7.878E+02	1.047E+03	1.814E+04	4.888E+04	5.019E+04	5.572E+02	7.878E+02	1.047E+03	1.814E+04	4.880E+04	5.013E+04
GRAND TOTAL	1.843E+03	2.119E+03	3.079E+03	5.265E+04	1.309E+05	1.130E+05	1.843E+03	2.119E+03	3.079E+03	5.265E+04	1.307E+05	1.129E+05

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)
X	32	9	12	9	9	9	3	32	12	9	9	9
X MAXIMUM	7.218E+02	1.188E+03	4.145E+02	2.692E+04	2.756E+04	4.711E+04	7.314E+02	1.231E+03	4.145E+02	1.430E+04	3.581E+04	4.062E+04
Y	12	9	12	9	12	9	9	9	12	12	9	9
Y MAXIMUM	6.939E+02	1.523E+03	8.043E+02	3.450E+04	5.226E+04	6.039E+04	9.318E+02	1.262E+03	8.043E+02	1.927E+04	4.590E+04	5.207E+04
Z	11	11	12	9	12	11	9	11	12	11	12	11
Z MAXIMUM	7.540E+02	9.153E+02	7.878E+02	1.797E+04	5.119E+04	4.880E+04	4.852E+02	1.134E+03	7.878E+02	2.410E+04	4.269E+04	4.268E+04
GRAND TOTAL	1.943E+03	3.016E+03	2.119E+03	5.919E+04	1.096E+05	1.307E+05	1.867E+03	3.064E+03	2.119E+03	5.207E+04	1.052E+05	1.129E+05

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	32	12	12	9	9
X MAXIMUM	1.049E+03	1.241E+03	4.145E+02	1.730E+04	3.859E+04	3.579E+04
Y	9	12	12	12	9	9
Y MAXIMUM	1.344E+03	9.813E+02	8.043E+02	3.358E+04	4.947E+04	4.588E+04
Z	9	11	12	12	12	11
Z MAXIMUM	7.000E+02	1.180E+03	7.878E+02	3.288E+04	2.768E+04	3.577E+04
GRAND TOTAL	2.219E+03	2.819E+03	2.119E+03	6.487E+04	9.129E+04	9.639E+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)
X	9	12	32	12	9	9	9	12	32	12	9	9
X MAXIMUM	1.048E+03	4.145E+02	1.241E+03	1.729E+04	3.579E+04	3.859E+04	1.048E+03	4.145E+02	1.241E+03	1.729E+04	3.196E+04	3.863E+04
Y	9	12	12	12	9	9	9	12	12	12	9	9
Y MAXIMUM	1.343E+03	8.043E+02	9.813E+02	3.355E+04	4.588E+04	4.947E+04	1.343E+03	8.043E+02	9.813E+02	3.355E+04	4.097E+04	4.952E+04
Z	9	12	11	12	11	12	9	12	11	12	11	9
Z MAXIMUM	6.995E+02	7.878E+02	1.180E+03	3.285E+04	3.577E+04	2.771E+04	6.995E+02	7.878E+02	1.180E+03	3.285E+04	2.862E+04	2.579E+04
GRAND TOTAL	2.218E+03	2.119E+03	2.820E+03	6.483E+04	9.639E+04	9.132E+04	2.218E+03	2.119E+03	2.820E+03	6.483E+04	8.156E+04	8.696E+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)
X	9	12	32	12	9	9	9	12	32	12	9	9
X MAXIMUM	1.049E+03	4.145E+02	1.240E+03	1.732E+04	3.196E+04	3.863E+04	1.049E+03	4.145E+02	1.240E+03	1.732E+04	3.001E+04	3.865E+04
Y	9	12	12	12	9	9	9	12	12	12	9	9
Y MAXIMUM	1.345E+03	8.043E+02	9.813E+02	3.360E+04	4.097E+04	4.952E+04	1.345E+03	8.043E+02	9.813E+02	3.360E+04	3.846E+04	4.954E+04
Z	9	12	11	12	11	9	9	12	11	12	11	9
Z MAXIMUM	7.005E+02	7.878E+02	1.180E+03	3.291E+04	2.862E+04	2.579E+04	7.005E+02	7.878E+02	1.180E+03	3.291E+04	2.496E+04	2.580E+04
GRAND TOTAL	2.221E+03	2.119E+03	2.818E+03	6.491E+04	8.156E+04	8.690E+04	2.221E+03	2.119E+03	2.818E+03	6.491E+04	7.433E+04	8.533E+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)
X	9	3	32	12	9	9	9	3	32	12	9	9
X MAXIMUM	1.036E+03	4.045E+02	1.068E+03	1.729E+04	3.001E+04	3.865E+04	1.036E+03	4.045E+02	1.068E+03	1.729E+04	2.899E+04	3.870E+04
Y	9	12	12	12	9	9	9	12	12	12	9	9
Y MAXIMUM	1.328E+03	7.606E+02	9.495E+02	3.356E+04	3.846E+04	4.955E+04	1.328E+03	7.606E+02	9.495E+02	3.356E+04	3.716E+04	4.961E+04
Z	9	12	11	12	11	9	9	12	11	12	11	9
Z MAXIMUM	6.917E+02	7.449E+02	1.138E+03	3.287E+04	2.496E+04	2.580E+04	6.917E+02	7.449E+02	1.138E+03	3.287E+04	2.301E+04	2.584E+04
GRAND TOTAL	2.191E+03	2.005E+03	2.619E+03	6.484E+04	7.433E+04	8.537E+04	2.191E+03	2.005E+03	2.619E+03	6.484E+04	7.074E+04	8.485E+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)
X	9	3	32	12	9	9	9	3	32	12	9	9
X MAXIMUM	1.037E+03	4.045E+02	1.067E+03	1.730E+04	2.899E+04	3.870E+04	1.037E+03	4.045E+02	1.067E+03	1.730E+04	2.234E+04	3.906E+04
Y	9	12	12	12	9	9	9	12	12	12	9	9
Y MAXIMUM	1.329E+03	7.606E+02	9.495E+02	3.357E+04	3.716E+04	4.961E+04	1.329E+03	7.606E+02	9.495E+02	3.357E+04	2.864E+04	5.007E+04
Z	9	12	11	12	11	9	9	12	11	12	11	9
Z MAXIMUM	6.920E+02	7.449E+02	1.138E+03	3.288E+04	2.301E+04	2.584E+04	6.920E+02	7.449E+02	1.138E+03	3.288E+04	1.491E+04	2.607E+04
GRAND TOTAL	2.191E+03	2.005E+03	2.618E+03	6.487E+04	7.074E+04	8.483E+04	2.191E+03	2.005E+03	2.618E+03	6.487E+04	5.077E+04	8.480E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	27	32	32	0	32	32	27	32	32	0	9	9
X MAXIMUM	6.551E+01	2.272E+02	3.763E+02	0.	1.919E+03	1.159E+03	6.551E+01	2.272E+02	3.763E+02	0.	1.259E-04	1.240E-04
Y	27	32	32	0	32	32	27	32	32	0	9	12
Y MAXIMUM	1.237E+02	8.086E+01	1.339E+02	0.	6.830E+02	4.124E+02	1.237E+02	8.086E+01	1.339E+02	0.	1.221E-04	1.831E-04
Z	12	32	32	0	32	32	12	32	32	0	9	27
Z MAXIMUM	9.670E+01	1.387E+02	2.298E+02	0.	1.172E+03	7.075E+02	9.670E+01	1.387E+02	2.298E+02	0.	1.108E-04	6.485E-05
GRAND TOTAL	3.181E+02	3.253E+02	5.170E+02	0.	2.637E+03	1.659E+03	3.181E+02	3.253E+02	5.170E+02	0.	2.615E-04	3.633E-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)
X	9	3	12	12	9	9	9	3	12	12	3	9
X MAXIMUM	1.022E+03	4.136E+02	4.212E+02	1.765E+04	2.234E+04	3.913E+04	1.022E+03	4.136E+02	4.212E+02	1.765E+04	1.897E+04	4.170E+04
Y	9	12	12	12	9	9	9	12	12	12	9	9
Y MAXIMUM	1.311E+03	5.631E+02	8.172E+02	3.424E+04	2.864E+04	5.016E+04	1.311E+03	5.631E+02	8.172E+02	3.424E+04	2.025E+04	5.345E+04
Z	9	12	11	11	9	9	9	12	11	11	9	9
Z MAXIMUM	6.824E+02	5.515E+02	9.520E+02	3.356E+04	1.491E+04	2.612E+04	6.824E+02	5.515E+02	9.520E+02	3.356E+04	1.055E+04	2.783E+04
GRAND TOTAL	2.152E+03	1.548E+03	1.820E+03	6.510E+04	5.077E+04	8.480E+04	2.152E+03	1.548E+03	1.820E+03	6.510E+04	4.255E+04	9.603E+04

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)
X	9	3	12	12	3	9	9	3	12	12	3	9
X MAXIMUM	1.023E+03	4.136E+02	4.212E+02	1.765E+04	1.897E+04	4.170E+04	1.023E+03	4.136E+02	4.212E+02	1.765E+04	1.907E+04	4.218E+04
Y	9	12	12	12	9	9	9	12	12	12	9	9
Y MAXIMUM	1.311E+03	5.631E+02	8.173E+02	3.424E+04	2.025E+04	5.345E+04	1.311E+03	5.631E+02	8.173E+02	3.424E+04	1.867E+04	5.407E+04
Z	9	12	11	11	9	9	9	12	11	11	9	9
Z MAXIMUM	6.826E+02	5.515E+02	9.520E+02	3.356E+04	1.055E+04	2.783E+04	6.826E+02	5.515E+02	9.520E+02	3.356E+04	1.136E+04	2.816E+04
GRAND TOTAL	2.153E+03	1.548E+03	1.819E+03	6.510E+04	4.255E+04	9.603E+04	2.153E+03	1.548E+03	1.819E+03	6.510E+04	4.309E+04	9.871E+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)
X	9	3	12	12	3	9	9	3	12	12	3	9
X MAXIMUM	1.024E+03	4.090E+02	4.213E+02	1.765E+04	1.907E+04	4.218E+04	1.024E+03	4.090E+02	4.213E+02	1.765E+04	1.917E+04	4.262E+04
Y	9	12	12	12	9	9	9	12	12	12	9	9
Y MAXIMUM	1.312E+03	5.764E+02	8.174E+02	3.424E+04	1.867E+04	5.408E+04	1.312E+03	5.764E+02	8.174E+02	3.424E+04	1.713E+04	5.464E+04
Z	9	12	11	11	9	9	9	12	11	11	9	9
Z MAXIMUM	6.832E+02	5.646E+02	9.519E+02	3.354E+04	1.136E+04	2.816E+04	6.832E+02	5.646E+02	9.519E+02	3.354E+04	1.373E+04	2.845E+04
GRAND TOTAL	2.154E+03	1.563E+03	1.818E+03	6.510E+04	4.309E+04	9.871E+04	2.154E+03	1.563E+03	1.818E+03	6.510E+04	4.428E+04	1.014E+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(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	3	12	12	3	9	3	9	12	12	32	9
X MAXIMUM	1.022E+03	4.090E+02	4.211E+02	1.765E+04	1.917E+04	4.262E+04	8.434E+02	6.172E+02	4.211E+02	1.944E+04	1.231E+04	3.971E+04
Y	9	12	12	12	9	9	9	9	12	12	8	9
Y MAXIMUM	1.310E+03	5.764E+02	8.172E+02	3.425E+04	1.713E+04	5.464E+04	1.062E+03	7.912E+02	8.172E+02	3.772E+04	7.530E+03	5.091E+04
Z	9	12	11	11	9	9	9	12	11	12	32	9
Z MAXIMUM	6.823E+02	5.646E+02	9.520E+02	3.357E+04	1.373E+04	2.845E+04	5.528E+02	4.515E+02	9.520E+02	3.695E+04	7.515E+03	2.651E+04
GRAND TOTAL	2.152E+03	1.563E+03	1.820E+03	6.512E+04	4.428E+04	1.014E+05	2.237E+03	1.439E+03	1.820E+03	7.382E+04	2.774E+04	1.033E+05

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	12	3	32	3
X MAXIMUM	4.093E+02	1.022E+03	4.211E+02	1.965E+04	1.248E+04	3.228E+04
Y	12	9	12	12	12	9
Y MAXIMUM	5.764E+02	1.310E+03	8.172E+02	2.629E+04	2.199E+04	3.786E+04
Z	12	9	11	12	12	9
Z MAXIMUM	5.645E+02	6.822E+02	9.520E+02	2.575E+04	2.153E+04	1.971E+04
GRAND TOTAL	1.563E+03	2.152E+03	1.820E+03	5.811E+04	4.402E+04	8.783E+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)
X	3	3	9	3	3	3	3	3	9	3	8	9
X MAXIMUM	4.090E+02	5.949E+02	9.964E+02	1.965E+04	1.905E+04	2.637E+04	4.090E+02	5.949E+02	9.964E+02	1.965E+04	1.496E+04	2.146E+04
Y	12	12	9	12	12	9	12	12	9	12	8	9
Y MAXIMUM	5.764E+02	6.124E+02	1.277E+03	2.628E+04	2.387E+04	3.264E+04	5.764E+02	6.124E+02	1.277E+03	2.628E+04	1.933E+04	2.752E+04
Z	12	11	11	12	11	9	12	11	11	12	12	9
Z MAXIMUM	5.646E+02	6.193E+02	7.242E+02	2.574E+04	2.392E+04	1.700E+04	5.646E+02	6.193E+02	7.242E+02	2.574E+04	1.881E+04	1.433E+04
GRAND TOTAL	1.563E+03	1.678E+03	2.264E+03	5.810E+04	6.987E+04	6.908E+04	1.563E+03	1.678E+03	2.264E+03	5.810E+04	5.522E+04	5.902E+04

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)
X	3	3	9	3	8	9	3	3	9	3	8	9
X MAXIMUM	4.186E+02	5.955E+02	8.471E+02	1.965E+04	1.496E+04	2.146E+04	4.186E+02	5.955E+02	8.471E+02	1.965E+04	1.035E+04	1.196E+04
Y	8	9	9	12	8	9	8	9	9	12	8	9
Y MAXIMUM	4.968E+02	6.389E+02	1.086E+03	2.628E+04	1.933E+04	2.752E+04	4.968E+02	6.389E+02	1.086E+03	2.628E+04	1.337E+04	1.533E+04
Z	12	11	11	12	12	9	12	11	11	12	12	11
Z MAXIMUM	4.382E+02	4.862E+02	5.764E+02	2.574E+04	1.881E+04	1.433E+04	4.382E+02	4.862E+02	5.764E+02	2.574E+04	1.063E+04	1.191E+04
GRAND TOTAL	1.372E+03	1.523E+03	1.935E+03	5.810E+04	5.522E+04	5.902E+04	1.372E+03	1.523E+03	1.935E+03	5.810E+04	3.659E+04	4.151E+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(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	9	3	8	9	3	3	9	3	9	8
X MAXIMUM	4.186E+02	5.955E+02	8.471E+02	1.965E+04	1.035E+04	1.196E+04	4.186E+02	5.955E+02	8.471E+02	1.965E+04	1.699E+04	9.759E+03
Y	8	9	9	12	8	9	8	9	9	12	9	8
Y MAXIMUM	4.968E+02	6.389E+02	1.086E+03	2.628E+04	1.337E+04	1.533E+04	4.968E+02	6.389E+02	1.086E+03	2.628E+04	2.178E+04	1.261E+04
Z	12	11	11	12	12	11	12	11	11	12	9	11
Z MAXIMUM	4.382E+02	4.862E+02	5.764E+02	2.574E+04	1.063E+04	1.191E+04	4.382E+02	4.862E+02	5.764E+02	2.574E+04	1.134E+04	1.670E+04
GRAND TOTAL	1.372E+03	1.523E+03	1.935E+03	5.810E+04	3.659E+04	4.151E+04	1.372E+03	1.523E+03	1.935E+03	5.810E+04	3.901E+04	3.840E+04

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)
X	9	3	9	3	8	3	9	3	9	3	8	12
X MAXIMUM	7.606E+02	7.547E+02	4.795E+02	2.320E+04	1.950E+04	1.318E+04	7.606E+02	7.547E+02	4.795E+02	2.320E+04	1.844E+04	1.257E+04
Y	9	9	9	12	8	12	9	9	9	12	8	12
Y MAXIMUM	9.750E+02	5.095E+02	6.146E+02	2.562E+04	2.519E+04	2.320E+04	9.750E+02	5.095E+02	6.146E+02	2.562E+04	2.382E+04	2.439E+04
Z	9	11	12	11	8	12	9	11	12	11	9	11
Z MAXIMUM	5.077E+02	3.357E+02	4.407E+02	2.824E+04	1.034E+04	2.272E+04	5.077E+02	3.357E+02	4.407E+02	2.824E+04	1.150E+04	2.532E+04
GRAND TOTAL	1.550E+03	1.405E+03	1.453E+03	5.952E+04	4.863E+04	5.829E+04	1.550E+03	1.405E+03	1.453E+03	5.952E+04	5.115E+04	5.370E+04

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)
X	9	3	9	3	8	12	9	3	9	3	9	3
X MAXIMUM	7.606E+02	7.547E+02	4.795E+02	2.320E+04	1.844E+04	1.257E+04	7.606E+02	7.547E+02	4.795E+02	2.320E+04	3.018E+04	1.555E+04
Y	9	9	9	12	8	12	9	9	9	12	9	12
Y MAXIMUM	9.750E+02	5.095E+02	6.146E+02	2.562E+04	2.382E+04	2.439E+04	9.750E+02	5.095E+02	6.146E+02	2.562E+04	3.869E+04	2.732E+04
Z	9	11	12	11	9	11	9	11	12	11	9	11
Z MAXIMUM	5.077E+02	3.357E+02	4.407E+02	2.824E+04	1.150E+04	2.532E+04	5.077E+02	3.357E+02	4.407E+02	2.824E+04	2.015E+04	3.439E+04
GRAND TOTAL	1.550E+03	1.405E+03	1.453E+03	5.952E+04	5.115E+04	5.370E+04	1.550E+03	1.405E+03	1.453E+03	5.952E+04	7.350E+04	6.047E+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)
X	9	3	3	3	9	3	9	3	3	3	9	3
X MAXIMUM	8.694E+02	7.279E+02	4.054E+02	2.320E+04	3.018E+04	1.555E+04	8.694E+02	7.279E+02	4.054E+02	2.320E+04	3.164E+04	2.083E+04
Y	9	9	9	12	9	12	9	9	9	12	9	12
Y MAXIMUM	1.114E+03	3.054E+02	2.567E+02	2.562E+04	3.869E+04	2.732E+04	1.114E+03	3.054E+02	2.567E+02	2.562E+04	4.055E+04	2.587E+04
Z	9	13	12	11	9	11	9	13	12	11	9	11
Z MAXIMUM	5.803E+02	2.422E+02	2.399E+02	2.824E+04	2.015E+04	3.439E+04	5.803E+02	2.422E+02	2.399E+02	2.824E+04	2.112E+04	3.510E+04
GRAND TOTAL	1.709E+03	1.118E+03	9.942E+02	5.952E+04	7.350E+04	6.047E+04	1.709E+03	1.118E+03	9.942E+02	5.952E+04	7.717E+04	6.219E+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)
X	9	3	3	3	9	3	9	3	3	3	9	3
X MAXIMUM	8.694E+02	7.279E+02	4.054E+02	2.320E+04	3.164E+04	2.083E+04	8.694E+02	7.279E+02	4.054E+02	2.320E+04	3.217E+04	2.278E+04
Y	9	9	9	12	9	12	9	9	9	12	9	12
Y MAXIMUM	1.114E+03	3.054E+02	2.567E+02	2.562E+04	4.055E+04	2.587E+04	1.114E+03	3.054E+02	2.567E+02	2.562E+04	4.124E+04	2.534E+04
Z	9	13	12	11	9	11	9	13	12	11	9	11
Z MAXIMUM	5.803E+02	2.422E+02	2.399E+02	2.824E+04	2.112E+04	3.510E+04	5.803E+02	2.422E+02	2.399E+02	2.824E+04	2.147E+04	3.536E+04
GRAND TOTAL	1.709E+03	1.118E+03	9.942E+02	5.952E+04	7.717E+04	6.219E+04	1.709E+03	1.118E+03	9.942E+02	5.952E+04	7.865E+04	6.308E+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(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	32	3	3	3	9	9	9	3	9	3	12
X MAXIMUM	8.694E+02	4.228E+02	8.013E+02	2.320E+04	3.25E+04	1.954E+04	5.957E+02	6.337E+02	8.013E+02	1.682E+04	4.790E+04	1.583E+04
Y	9	8	9	12	9	12	9	9	9	9	9	12
Y MAXIMUM	1.114E+03	2.309E+02	3.975E+02	2.562E+04	3.327E+04	3.025E+04	7.637E+02	8.124E+02	3.975E+02	2.156E+04	3.145E+04	3.072E+04
Z	9	32	12	11	9	11	9	9	12	12	11	11
Z MAXIMUM	5.803E+02	2.582E+02	3.077E+02	2.824E+04	1.732E+04	3.940E+04	3.977E+02	4.230E+02	3.077E+02	1.522E+04	2.730E+04	4.018E+04
GRAND TOTAL	1.709E+03	8.042E+02	1.261E+03	5.952E+04	6.653E+04	7.576E+04	1.215E+03	1.446E+03	1.261E+03	4.422E+04	8.682E+04	7.426E+04

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

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	9	3	3	3	32
X MAXIMUM	4.228E+02	8.694E+02	8.013E+02	4.454E+04	3.522E+04	1.721E+04
Y	8	9	9	9	12	12
Y MAXIMUM	2.309E+02	1.114E+03	3.975E+02	3.923E+04	2.090E+04	3.117E+04
Z	32	9	12	9	11	11
Z MAXIMUM	2.582E+02	5.803E+02	3.077E+02	2.043E+04	2.801E+04	3.880E+04
GRAND TOTAL	8.042E+02	1.709E+03	1.261E+03	8.046E+04	6.566E+04	7.020E+04

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)
X	32	9	3	3	3	32	32	9	3	3	3	32
X MAXIMUM	4.228E+02	8.694E+02	8.013E+02	4.454E+04	3.522E+04	1.721E+04	4.228E+02	8.694E+02	8.013E+02	4.454E+04	4.224E+04	1.800E+04
Y	8	9	9	9	12	12	8	9	9	9	12	12
Y MAXIMUM	2.309E+02	1.114E+03	3.975E+02	3.923E+04	2.090E+04	3.117E+04	2.309E+02	1.114E+03	3.975E+02	3.923E+04	1.815E+04	3.143E+04
Z	32	9	12	9	11	11	32	9	12	9	11	11
Z MAXIMUM	2.582E+02	5.803E+02	3.077E+02	2.043E+04	2.801E+04	3.880E+04	2.582E+02	5.803E+02	3.077E+02	2.043E+04	2.787E+04	3.711E+04
GRAND TOTAL	8.042E+02	1.709E+03	1.261E+03	8.046E+04	6.566E+04	7.020E+04	8.042E+02	1.709E+03	1.261E+03	8.046E+04	7.135E+04	6.923E+04

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)
X	32	12	3	3	3	32	32	12	3	3	3	32
X MAXIMUM	4.228E+02	3.934E+02	8.013E+02	4.454E+04	4.224E+04	1.800E+04	4.228E+02	3.934E+02	8.013E+02	4.454E+04	4.342E+04	1.842E+04
Y	8	12	9	9	12	12	8	12	9	9	12	12
Y MAXIMUM	2.309E+02	7.634E+02	3.975E+02	3.923E+04	1.815E+04	3.143E+04	2.309E+02	7.634E+02	3.975E+02	3.923E+04	1.769E+04	3.030E+04
Z	32	11	12	9	11	11	32	11	12	9	11	11
Z MAXIMUM	2.582E+02	7.500E+02	3.077E+02	2.043E+04	2.787E+04	3.711E+04	2.582E+02	7.500E+02	3.077E+02	2.043E+04	2.784E+04	3.601E+04
GRAND TOTAL	8.042E+02	1.769E+03	1.261E+03	8.046E+04	7.135E+04	6.923E+04	8.042E+02	1.769E+03	1.261E+03	8.046E+04	7.243E+04	6.744E+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)
X	32	12	3	3	3	32	32	12	3	3	3	32
X MAXIMUM	4.228E+02	3.934E+02	8.012E+02	4.453E+04	4.342E+04	1.841E+04	4.228E+02	3.934E+02	8.012E+02	4.453E+04	5.624E+04	2.294E+04
Y	8	12	9	9	12	12	8	12	9	9	12	12
Y MAXIMUM	2.308E+02	7.634E+02	3.975E+02	3.923E+04	1.769E+04	3.030E+04	2.308E+02	7.634E+02	3.975E+02	3.923E+04	2.164E+04	1.809E+04
Z	32	11	12	9	11	11	32	11	12	9	11	11
Z MAXIMUM	2.582E+02	7.500E+02	3.077E+02	2.043E+04	2.784E+04	3.601E+04	2.582E+02	7.500E+02	3.077E+02	2.043E+04	2.759E+04	2.402E+04
GRAND TOTAL	8.043E+02	1.769E+03	1.261E+03	8.045E+04	7.243E+04	6.745E+04	8.043E+02	1.769E+03	1.261E+03	8.045E+04	8.587E+04	5.257E+04

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)
X	32	12	9	0	9	12	32	12	9	0	8	9
X MAXIMUM	2.375E+02	2.166E+02	3.244E+02	0.	1.655E+03	1.105E+03	2.375E+02	2.166E+02	3.244E+02	0.	4.196E-05	7.440E-04
Y	27	12	12	0	12	12	27	12	12	0	8	9
Y MAXIMUM	1.846E+02	4.204E+02	4.245E+02	0.	2.165E+03	2.144E+03	1.846E+02	4.204E+02	4.245E+02	0.	3.433E-05	1.101E-03
Z	32	12	11	0	11	12	32	12	11	0	15	9
Z MAXIMUM	1.450E+02	4.117E+02	5.004E+02	0.	2.552E+03	2.100E+03	1.450E+02	4.117E+02	5.004E+02	0.	3.624E-05	4.501E-04
GRAND TOTAL	5.635E+02	9.485E+02	1.083E+03	0.	5.525E+03	4.837E+03	5.635E+02	9.485E+02	1.083E+03	0.	1.200E-04	1.448E-03

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)
X	12	9	3	3	3	32	12	9	3	3	3	32
X MAXIMUM	5.990E+02	3.544E+02	7.382E+02	4.422E+04	5.624E+04	2.137E+04	5.990E+02	3.544E+02	7.382E+02	4.422E+04	6.804E+04	1.830E+04
Y	12	12	9	9	9	12	12	12	9	9	13	9
Y MAXIMUM	1.162E+03	4.743E+02	5.463E+02	3.442E+04	2.164E+04	1.200E+04	1.162E+03	4.743E+02	5.463E+02	3.442E+04	2.005E+04	1.571E+04
Z	12	11	15	9	11	11	12	11	15	9	11	32
Z MAXIMUM	1.138E+03	5.090E+02	4.680E+02	1.793E+04	2.759E+04	1.818E+04	1.138E+03	5.090E+02	4.680E+02	1.793E+04	3.169E+04	1.117E+04
GRAND TOTAL	2.275E+03	1.200E+03	1.492E+03	7.538E+04	8.587E+04	4.429E+04	2.275E+03	1.200E+03	1.492E+03	7.538E+04	9.366E+04	4.083E+04

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)
X	12	9	3	3	3	32	12	9	3	3	3	3
X MAXIMUM	7.488E+02	3.630E+02	7.321E+02	4.422E+04	6.804E+04	1.830E+04	7.488E+02	3.630E+02	7.321E+02	4.422E+04	7.356E+04	1.608E+04
Y	12	9	9	9	13	9	12	9	9	9	13	9
Y MAXIMUM	1.453E+03	4.654E+02	7.389E+02	3.442E+04	2.005E+04	1.573E+04	1.453E+03	4.654E+02	7.389E+02	3.442E+04	2.289E+04	1.924E+04
Z	12	11	15	9	11	32	12	11	15	9	11	9
Z MAXIMUM	1.423E+03	4.429E+02	6.244E+02	1.792E+04	3.169E+04	1.117E+04	1.423E+03	4.429E+02	6.244E+02	1.792E+04	3.432E+04	1.002E+04
GRAND TOTAL	2.814E+03	1.175E+03	1.776E+03	7.536E+04	9.366E+04	4.086E+04	2.814E+03	1.175E+03	1.776E+03	7.536E+04	9.927E+04	4.158E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	12	3	9	3	3	3	12	3	9	3	32	3
X MAXIMUM	7.488E+02	7.321E+02	3.630E+02	4.422E+04	1.608E+04	7.356E+04	6.362E+02	7.693E+02	3.630E+02	4.710E+04	1.558E+04	7.804E+04
Y	12	9	9	9	9	13	12	12	9	9	9	13
Y MAXIMUM	1.453E+03	7.389E+02	4.654E+02	3.442E+04	1.924E+04	2.289E+04	1.235E+03	8.165E+02	4.654E+02	3.969E+04	7.277E+03	2.543E+04
Z	12	15	11	9	9	11	11	12	11	9	32	11
Z MAXIMUM	1.423E+03	6.244E+02	4.429E+02	1.792E+04	1.002E+04	3.432E+04	1.307E+03	7.997E+02	4.429E+02	2.067E+04	9.515E+03	3.487E+04
GRAND TOTAL	2.814E+03	1.776E+03	1.175E+03	7.536E+04	4.158E+04	9.927E+04	2.624E+03	2.046E+03	1.175E+03	8.260E+04	2.550E+04	1.040E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 30)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	3	9	3	3	3
X MAXIMUM	5.813E+02	6.895E+02	3.630E+02	4.300E+04	1.902E+04	8.239E+04
Y	12	12	9	9	14	13
Y MAXIMUM	8.282E+02	1.227E+03	4.654E+02	3.998E+04	7.680E+03	2.832E+04
Z	11	12	11	9	11	11
Z MAXIMUM	1.140E+03	1.201E+03	4.429E+02	2.082E+04	8.265E+03	3.246E+04
GRAND TOTAL	2.250E+03	2.452E+03	1.175E+03	7.958E+04	3.339E+04	1.084E+05

ELEMENT TYPE (3/D 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)
X	9	9	3	3	3	3	9	9	3	3	3	3
X MAXIMUM	5.814E+02	3.630E+02	6.894E+02	4.299E+04	8.239E+04	1.903E+04	5.814E+02	3.630E+02	6.894E+02	4.299E+04	9.093E+04	1.802E+04
Y	12	9	12	9	13	14	12	9	12	9	13	12
Y MAXIMUM	8.279E+02	4.654E+02	1.227E+03	3.998E+04	2.832E+04	7.680E+03	8.279E+02	4.654E+02	1.227E+03	3.998E+04	3.445E+04	9.093E+03
Z	11	11	12	9	11	11	11	11	12	9	13	11
Z MAXIMUM	1.139E+03	4.429E+02	1.202E+03	2.082E+04	3.246E+04	8.267E+03	1.139E+03	4.429E+02	1.202E+03	2.082E+04	3.060E+04	1.375E+04
GRAND TOTAL	2.250E+03	1.175E+03	2.452E+03	7.957E+04	1.084E+05	3.340E+04	2.250E+03	1.175E+03	2.452E+03	7.957E+04	1.208E+05	3.435E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 32)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	9	3	3	3	3	9	9	3	3	3	3
X MAXIMUM	5.814E+02	3.630E+02	6.777E+02	4.299E+04	9.093E+04	1.802E+04	5.814E+02	3.630E+02	6.777E+02	4.299E+04	7.372E+04	1.594E+04
Y	12	9	16	9	13	12	12	9	16	9	13	12
Y MAXIMUM	8.279E+02	4.654E+02	4.906E+02	3.998E+04	3.445E+04	9.093E+03	8.279E+02	4.654E+02	4.906E+02	3.998E+04	2.575E+04	1.947E+04
Z	11	11	15	9	13	11	11	11	15	9	11	11
Z MAXIMUM	1.139E+03	4.429E+02	4.688E+02	2.082E+04	3.060E+04	1.375E+04	1.139E+03	4.429E+02	4.688E+02	2.082E+04	2.967E+04	2.500E+04
GRAND TOTAL	2.250E+03	1.175E+03	1.415E+03	7.957E+04	1.208E+05	3.435E+04	2.250E+03	1.175E+03	1.415E+03	7.957E+04	9.614E+04	5.134E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 33)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	32	3	3	3	3	9	32	3	3	3	9
X MAXIMUM	7.132E+02	4.343E+02	6.219E+02	4.299E+04	7.372E+04	1.594E+04	7.132E+02	4.343E+02	6.219E+02	4.299E+04	5.779E+04	1.820E+04
Y	12	9	16	9	13	12	12	9	16	9	13	12
Y MAXIMUM	1.112E+03	4.505E+02	3.116E+02	3.998E+04	2.575E+04	1.947E+04	1.112E+03	4.505E+02	3.116E+02	3.998E+04	2.154E+04	2.833E+04
Z	11	11	15	9	11	11	11	11	15	9	11	11
Z MAXIMUM	1.462E+03	3.786E+02	2.583E+02	2.082E+04	2.967E+04	2.500E+04	1.462E+03	3.786E+02	2.583E+02	2.082E+04	3.442E+04	3.470E+04
GRAND TOTAL	2.861E+03	1.155E+03	1.001E+03	7.957E+04	9.614E+04	5.134E+04	2.861E+03	1.155E+03	1.001E+03	7.957E+04	8.200E+04	7.459E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 34)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	32	3	3	3	9	9	3	3	3	9	9
X MAXIMUM	7.132E+02	4.343E+02	6.219E+02	4.299E+04	5.779E+04	1.820E+04	7.528E+02	3.041E+02	6.219E+02	6.853E+04	2.324E+04	1.879E+04
Y	12	9	16	9	13	12	12	12	16	9	9	12
Y MAXIMUM	1.112E+03	4.505E+02	3.116E+02	3.998E+04	2.154E+04	2.833E+04	1.031E+03	5.418E+02	3.116E+02	2.655E+04	2.979E+04	2.711E+04
Z	11	11	15	9	11	11	11	11	15	11	11	11
Z MAXIMUM	1.462E+03	3.786E+02	2.583E+02	2.082E+04	3.442E+04	3.470E+04	1.302E+03	7.663E+02	2.583E+02	3.301E+04	1.845E+04	3.229E+04
GRAND TOTAL	2.861E+03	1.155E+03	1.001E+03	7.957E+04	8.200E+04	7.459E+04	2.739E+03	1.420E+03	1.001E+03	9.736E+04	5.670E+04	7.320E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 34)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	9	3	3	3	32
X MAXIMUM	4.343E+02	7.132E+02	6.219E+02	4.846E+04	5.232E+04	1.454E+04
Y	9	12	16	13	9	12
Y MAXIMUM	4.505E+02	1.112E+03	3.116E+02	1.907E+04	3.948E+04	1.684E+04
Z	11	11	15	11	9	11
Z MAXIMUM	3.786E+02	1.462E+03	2.583E+02	3.720E+04	2.056E+04	1.844E+04
GRAND TOTAL	1.155E+03	2.861E+03	1.001E+03	7.655E+04	8.662E+04	4.937E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 35)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	3	9	3	32	3	32	3	9	3	32	3
X MAXIMUM	4.343E+02	6.219E+02	7.132E+02	4.846E+04	1.454E+04	5.232E+04	4.343E+02	6.219E+02	7.132E+02	4.846E+04	1.424E+04	5.332E+04
Y	9	16	12	13	12	9	9	16	12	13	12	9
Y MAXIMUM	4.505E+02	3.116E+02	1.112E+03	1.907E+04	1.684E+04	3.948E+04	4.505E+02	3.116E+02	1.112E+03	1.907E+04	1.505E+04	3.943E+04
Z	11	15	11	11	11	9	11	15	11	11	11	9
Z MAXIMUM	3.786E+02	2.583E+02	1.462E+03	3.720E+04	1.844E+04	2.056E+04	3.786E+02	2.583E+02	1.462E+03	3.720E+04	1.609E+04	2.053E+04
GRAND TOTAL	1.155E+03	1.001E+03	2.861E+03	7.655E+04	4.937E+04	8.662E+04	1.155E+03	1.001E+03	2.861E+03	7.655E+04	4.527E+04	8.750E+04

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)
X	32	3	9	3	32	3	32	3	9	3	12	3
X MAXIMUM	4.589E+02	5.131E+02	8.349E+02	4.846E+04	1.424E+04	5.332E+04	4.589E+02	5.131E+02	8.349E+02	4.846E+04	1.016E+04	6.635E+04
Y	9	9	12	13	12	9	9	9	12	13	12	9
Y MAXIMUM	4.454E+02	2.209E+02	1.369E+03	1.907E+04	1.505E+04	3.943E+04	4.454E+02	2.209E+02	1.369E+03	1.907E+04	1.971E+04	3.382E+04
Z	11	11	11	11	11	9	11	11	11	11	11	9
Z MAXIMUM	3.661E+02	2.756E+02	1.749E+03	3.720E+04	1.609E+04	2.053E+04	3.661E+02	2.756E+02	1.749E+03	3.720E+04	2.833E+04	1.761E+04
GRAND TOTAL	1.155E+03	7.395E+02	3.421E+03	7.655E+04	4.527E+04	8.750E+04	1.155E+03	7.395E+02	3.421E+03	7.655E+04	5.145E+04	9.130E+04

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)
X	32	3	3	3	12	3	32	3	3	3	3	3
X MAXIMUM	4.589E+02	5.077E+02	4.136E+02	4.846E+04	1.016E+04	6.635E+04	4.589E+02	5.077E+02	4.136E+02	4.846E+04	1.584E+04	8.343E+04
Y	9	9	14	13	12	9	9	9	14	13	14	9
Y MAXIMUM	4.454E+02	3.168E+02	5.243E+02	1.907E+04	1.971E+04	3.382E+04	4.454E+02	3.168E+02	5.243E+02	1.907E+04	2.037E+04	2.316E+04
Z	11	9	12	11	11	9	11	9	12	11	11	3
Z MAXIMUM	3.661E+02	1.650E+02	4.224E+02	3.720E+04	2.833E+04	1.761E+04	3.661E+02	1.650E+02	4.224E+02	3.720E+04	1.634E+04	2.169E+04
GRAND TOTAL	1.155E+03	7.659E+02	1.212E+03	7.655E+04	5.145E+04	9.130E+04	1.155E+03	7.659E+02	1.212E+03	7.655E+04	4.237E+04	9.920E+04

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)
X	32	3	3	3	3	3	32	3	3	3	3	3
X MAXIMUM	4.902E+02	4.228E+02	3.932E+02	4.846E+04	1.584E+04	8.343E+04	4.902E+02	4.228E+02	3.932E+02	4.846E+04	4.230E+04	1.119E+05
Y	9	9	14	13	14	9	9	9	14	13	14	3
Y MAXIMUM	4.384E+02	4.666E+02	4.403E+02	1.907E+04	2.037E+04	2.316E+04	4.384E+02	4.666E+02	4.403E+02	1.907E+04	5.000E+04	2.041E+04
Z	11	9	12	11	11	3	11	9	12	11	14	3
Z MAXIMUM	3.492E+02	2.429E+02	2.262E+02	3.720E+04	1.634E+04	2.169E+04	3.492E+02	2.429E+02	2.262E+02	3.720E+04	2.420E+04	2.908E+04
GRAND TOTAL	1.165E+03	1.008E+03	8.817E+02	7.655E+04	4.237E+04	9.920E+04	1.165E+03	1.008E+03	8.817E+02	7.655E+04	8.724E+04	1.209E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 39)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	3	3	3	3	3	32	3	3	3	3	3
X MAXIMUM	5.200E+02	4.536E+02	3.634E+02	4.846E+04	4.230E+04	1.119E+05	5.200E+02	4.536E+02	3.634E+02	4.846E+04	4.378E+04	1.137E+05
Y	9	9	14	13	14	3	9	9	14	13	14	3
Y MAXIMUM	4.312E+02	4.415E+02	3.103E+02	1.907E+04	5.000E+04	2.041E+04	4.312E+02	4.415E+02	3.103E+02	1.907E+04	5.127E+04	2.074E+04
Z	11	9	12	11	14	3	11	9	12	11	14	3
Z MAXIMUM	3.321E+02	2.299E+02	1.664E+02	3.720E+04	2.420E+04	2.908E+04	3.321E+02	2.299E+02	1.664E+02	3.720E+04	2.481E+04	2.956E+04
GRAND TOTAL	1.185E+03	1.050E+03	7.550E+02	7.655E+04	8.724E+04	1.209E+05	1.185E+03	1.050E+03	7.550E+02	7.655E+04	8.972E+04	1.233E+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(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	32	3	3	3	3	3	32	32	3	3	3	3
X MAXIMUM	5.200E+02	3.634E+02	4.536E+02	4.846E+04	1.137E+05	4.378E+04	4.181E+02	3.173E+02	4.536E+02	1.167E+05	5.096E+04	4.794E+04
Y	9	14	9	13	3	14	14	9	9	3	13	14
Y MAXIMUM	4.312E+02	3.103E+02	4.415E+02	1.907E+04	2.074E+04	5.127E+04	3.655E+02	2.923E+02	4.415E+02	2.128E+04	2.072E+04	5.365E+04
Z	11	12	9	11	3	14	32	11	9	3	11	14
Z MAXIMUM	3.321E+02	1.664E+02	2.299E+02	3.720E+04	2.956E+04	2.481E+04	2.553E+02	2.995E+02	2.299E+02	3.033E+04	2.999E+04	2.596E+04
GRAND TOTAL	1.185E+03	7.550E+02	1.050E+03	7.655E+04	1.233E+05	8.972E+04	1.033E+03	9.527E+02	1.050E+03	1.303E+05	7.389E+04	9.521E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 40)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	32	3	3	3	3
X MAXIMUM	3.634E+02	5.200E+02	4.536E+02	1.205E+05	4.165E+04	5.028E+04
Y	14	9	9	3	13	14
Y MAXIMUM	3.103E+02	4.312E+02	4.415E+02	2.198E+04	2.117E+04	5.282E+04
Z	12	11	9	3	11	14
Z MAXIMUM	1.664E+02	3.321E+02	2.299E+02	3.133E+04	3.515E+04	2.556E+04
GRAND TOTAL	7.550E+02	1.185E+03	1.050E+03	1.331E+05	6.985E+04	9.643E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 41)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	32	3	3	3	3	3	32	3	3	3	3
X MAXIMUM	3.634E+02	5.200E+02	4.536E+02	1.205E+05	4.165E+04	5.028E+04	3.634E+02	5.200E+02	4.536E+02	1.205E+05	4.029E+04	5.049E+04
Y	14	9	9	3	13	14	14	9	9	3	13	14
Y MAXIMUM	3.103E+02	4.312E+02	4.415E+02	2.198E+04	2.117E+04	5.282E+04	3.103E+02	4.312E+02	4.415E+02	2.198E+04	2.160E+04	5.220E+04
Z	12	11	9	3	11	14	12	11	9	3	11	14
Z MAXIMUM	1.664E+02	3.321E+02	2.299E+02	3.133E+04	3.515E+04	2.556E+04	1.664E+02	3.321E+02	2.299E+02	3.133E+04	3.474E+04	2.526E+04
GRAND TOTAL	7.550E+02	1.185E+03	1.050E+03	1.331E+05	6.985E+04	9.643E+04	7.550E+02	1.185E+03	1.050E+03	1.331E+05	6.807E+04	9.627E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 42)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	14	3	3	3	3	3	14	3	3	3	3
X MAXIMUM	3.634E+02	6.678E+02	4.536E+02	1.205E+05	4.029E+04	5.049E+04	3.634E+02	6.678E+02	4.536E+02	1.205E+05	3.866E+04	4.956E+04
Y	14	14	9	3	13	14	14	14	9	3	13	14
Y MAXIMUM	3.103E+02	1.647E+03	4.415E+02	2.198E+04	2.160E+04	5.220E+04	3.103E+02	1.647E+03	4.415E+02	2.198E+04	2.210E+04	4.627E+04
Z	12	11	9	3	11	14	12	11	9	3	11	14
Z MAXIMUM	1.664E+02	8.640E+02	2.299E+02	3.133E+04	3.474E+04	2.526E+04	1.664E+02	8.640E+02	2.299E+02	3.133E+04	3.425E+04	2.239E+04
GRAND TOTAL	7.550E+02	2.577E+03	1.050E+03	1.331E+05	6.887E+04	9.627E+04	7.550E+02	2.577E+03	1.050E+03	1.331E+05	6.786E+04	8.951E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 43)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	14	3	3	3	3	3	14	3	3	3	3
X MAXIMUM	3.634E+02	6.591E+02	1.038E+03	1.205E+05	3.866E+04	4.956E+04	3.634E+02	6.591E+02	1.038E+03	1.205E+05	7.843E+04	3.525E+04
Y	14	14	13	3	13	14	14	14	13	3	13	14
Y MAXIMUM	3.103E+02	1.626E+03	9.470E+02	2.198E+04	2.210E+04	4.627E+04	3.103E+02	1.626E+03	9.470E+02	2.198E+04	1.430E+04	1.601E+04
Z	12	11	11	3	11	14	12	11	11	3	11	11
Z MAXIMUM	1.664E+02	9.453E+02	1.194E+03	3.133E+04	3.425E+04	2.239E+04	1.664E+02	9.453E+02	1.194E+03	3.133E+04	2.039E+04	3.765E+04
GRAND TOTAL	7.550E+02	2.607E+03	2.334E+03	1.331E+05	6.786E+04	8.951E+04	7.550E+02	2.607E+03	2.334E+03	1.331E+05	8.835E+04	7.145E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 44)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	23	14	3	3	3	3	23	14	3	3	3	3
X MAXIMUM	3.906E+02	5.408E+02	1.198E+03	1.205E+05	7.843E+04	3.525E+04	3.906E+02	5.408E+02	1.198E+03	1.205E+05	9.006E+04	3.191E+04
Y	23	14	13	3	13	14	23	14	13	3	13	14
Y MAXIMUM	3.920E+02	1.334E+03	4.858E+02	2.198E+04	1.430E+04	1.601E+04	3.920E+02	1.334E+03	4.858E+02	2.198E+04	1.889E+04	2.896E+04
Z	13	11	11	3	11	11	13	11	11	3	11	11
Z MAXIMUM	2.152E+02	8.545E+02	6.013E+02	3.133E+04	2.039E+04	3.765E+04	2.152E+02	8.545E+02	6.013E+02	3.133E+04	2.341E+04	4.595E+04
GRAND TOTAL	1.006E+03	2.146E+03	1.663E+03	1.331E+05	8.835E+04	7.145E+04	1.006E+03	2.146E+03	1.663E+03	1.331E+05	1.032E+05	8.395E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 45)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	23	14	3	3	3	3	3	14	3	3	3	3
X MAXIMUM	3.906E+02	5.408E+02	1.198E+03	1.205E+05	9.006E+04	3.191E+04	4.783E+02	3.241E+02	1.198E+03	1.542E+05	8.839E+03	2.971E+04
Y	23	14	13	3	13	14	14	14	13	3	19	14
Y MAXIMUM	3.920E+02	1.334E+03	4.858E+02	2.198E+04	1.889E+04	2.896E+04	1.087E+03	7.995E+02	4.858E+02	2.812E+04	1.219E+04	4.222E+04
Z	13	11	11	3	11	11	11	11	11	3	11	11
Z MAXIMUM	2.152E+02	8.545E+02	6.013E+02	3.133E+04	2.341E+04	4.595E+04	6.463E+02	5.621E+02	6.013E+02	4.008E+04	1.495E+04	5.475E+04
GRAND TOTAL	1.006E+03	2.146E+03	1.663E+03	1.331E+05	1.032E+05	8.395E+04	1.965E+03	1.326E+03	1.663E+03	1.717E+05	3.177E+04	9.979E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 45)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	14	23	3	3	3	3
X MAXIMUM	5.408E+02	3.906E+02	1.198E+03	1.080E+05	1.026E+05	3.172E+04
Y	14	23	13	3	3	14
Y MAXIMUM	1.334E+03	3.920E+02	4.858E+02	2.618E+04	1.871E+04	4.592E+04
Z	11	13	11	3	3	11
Z MAXIMUM	8.545E+02	2.152E+02	6.013E+02	2.808E+04	2.666E+04	5.788E+04
GRAND TOTAL	2.146E+03	1.006E+03	1.663E+03	1.268E+05	1.128E+05	1.053E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 46)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	14	3	23	3	3	3	14	3	23	3	3	3
X MAXIMUM	5.408E+02	1.198E+03	3.906E+02	1.080E+05	3.172E+04	1.026E+05	5.408E+02	1.198E+03	3.906E+02	1.080E+05	3.360E+04	9.580E+04
Y	14	13	23	13	14	3	14	13	23	13	14	3
Y MAXIMUM	1.334E+03	4.858E+02	3.920E+02	2.618E+04	4.592E+04	1.871E+04	1.334E+03	4.858E+02	3.920E+02	2.618E+04	4.478E+04	1.747E+04
Z	11	11	13	3	11	3	11	11	13	3	11	3
Z MAXIMUM	8.545E+02	6.013E+02	2.152E+02	2.808E+04	5.788E+04	2.666E+04	8.545E+02	6.013E+02	2.152E+02	2.808E+04	5.754E+04	2.490E+04
GRAND TOTAL	2.146E+03	1.663E+03	1.006E+03	1.268E+05	1.053E+05	1.128E+05	2.146E+03	1.663E+03	1.006E+03	1.268E+05	1.046E+05	1.056E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 47)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	14	3	7	3	3	3	14	3	7	3	3	3
X MAXIMUM	5.408E+02	1.190E+03	4.529E+02	1.080E+05	3.360E+04	9.580E+04	5.408E+02	1.190E+03	4.529E+02	1.080E+05	4.324E+04	4.405E+04
Y	14	13	7	13	14	3	14	13	7	13	14	13
Y MAXIMUM	1.334E+03	4.642E+02	2.680E+02	2.618E+04	4.478E+04	1.747E+04	1.334E+03	4.642E+02	2.680E+02	2.618E+04	3.450E+04	1.998E+04
Z	11	11	11	3	11	3	11	11	11	3	12	11
Z MAXIMUM	8.545E+02	6.569E+02	8.333E+02	2.808E+04	5.754E+04	2.490E+04	8.545E+02	6.569E+02	8.333E+02	2.808E+04	2.494E+04	3.576E+04
GRAND TOTAL	2.146E+03	1.662E+03	1.234E+03	1.268E+05	1.046E+05	1.056E+05	2.146E+03	1.662E+03	1.234E+03	1.268E+05	8.141E+04	7.259E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 48)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	14	3	7	3	3	3	14	3	7	3	3	3
X MAXIMUM	3.446E+02	1.101E+03	2.771E+02	1.080E+05	4.324E+04	4.405E+04	3.446E+02	1.101E+03	2.771E+02	1.080E+05	6.714E+04	5.174E+04
Y	14	19	14	13	14	13	14	19	14	13	12	16
Y MAXIMUM	8.501E+02	2.505E+02	2.827E+02	2.618E+04	3.450E+04	1.998E+04	8.501E+02	2.505E+02	2.827E+02	2.618E+04	2.146E+04	1.585E+04
Z	11	3	11	3	12	11	11	3	11	3	11	3
Z MAXIMUM	7.429E+02	2.863E+02	5.928E+02	2.808E+04	2.494E+04	3.576E+04	7.429E+02	2.863E+02	5.928E+02	2.808E+04	3.025E+04	1.345E+04
GRAND TOTAL	1.442E+03	1.271E+03	9.050E+02	1.268E+05	8.141E+04	7.259E+04	1.442E+03	1.271E+03	9.050E+02	1.268E+05	9.260E+04	6.124E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 49)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	2.286E+02	4.283E+02	5.010E+02	1.080E+05	6.714E+04	5.174E+04	2.286E+02	4.283E+02	5.010E+02	1.080E+05	7.561E+04	5.898E+04
Y	14	13	14	13	12	16	14	13	14	13	12	16
Y MAXIMUM	3.647E+02	3.645E+02	2.412E+02	2.618E+04	2.146E+04	1.585E+04	3.647E+02	3.645E+02	2.412E+02	2.618E+04	1.880E+04	1.340E+04
Z	11	11	12	3	11	3	11	11	12	3	11	3
Z MAXIMUM	6.305E+02	7.943E+02	1.537E+02	2.808E+04	3.025E+04	1.345E+04	6.305E+02	7.943E+02	1.537E+02	2.808E+04	2.900E+04	1.533E+04
GRAND TOTAL	9.054E+02	1.271E+03	7.283E+02	1.268E+05	9.260E+04	6.124E+04	9.054E+02	1.271E+03	7.283E+02	1.268E+05	9.615E+04	6.555E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	11	3	3	3	3	3	11	3	3	7	3
X MAXIMUM	2.286E+02	2.299E+02	6.269E+02	1.080E+05	9.245E+04	2.549E+04	3.056E+02	3.078E+02	6.269E+02	1.445E+05	1.987E+04	2.664E+04
Y	14	13	14	13	12	16	14	13	14	3	13	16
Y MAXIMUM	3.647E+02	3.611E+02	3.385E+02	2.618E+04	1.840E+04	1.072E+04	3.896E+02	3.267E+02	3.385E+02	2.636E+04	2.565E+04	9.384E+03
Z	11	11	11	3	11	11	14	11	11	3	13	11
Z MAXIMUM	6.305E+02	7.053E+02	3.727E+02	2.808E+04	2.655E+04	1.168E+04	1.886E+02	9.445E+02	3.727E+02	3.757E+04	2.278E+04	2.193E+04
GRAND TOTAL	9.054E+02	1.069E+03	1.002E+03	1.268E+05	1.101E+05	3.783E+04	7.804E+02	1.163E+03	1.002E+03	1.596E+05	5.698E+04	4.314E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 50)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	3	3	3	3
X MAXIMUM	2.299E+02	2.286E+02	6.269E+02	1.019E+05	9.863E+04	2.511E+04
Y	13	14	14	3	13	16
Y MAXIMUM	3.611E+02	3.647E+02	3.385E+02	1.858E+04	2.739E+04	8.536E+03
Z	11	11	11	3	11	11
Z MAXIMUM	7.053E+02	6.305E+02	3.727E+02	2.648E+04	3.194E+04	3.171E+04
GRAND TOTAL	1.069E+03	9.054E+02	1.002E+03	1.166E+05	1.211E+05	4.883E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 51)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	3	3	3	3	11	3	3	3	3	3
X MAXIMUM	2.298E+02	2.286E+02	6.270E+02	1.019E+05	9.863E+04	2.507E+04	2.298E+02	2.286E+02	6.270E+02	1.019E+05	9.675E+04	2.438E+04
Y	13	14	14	3	13	16	13	14	14	3	13	11
Y MAXIMUM	3.611E+02	3.647E+02	3.386E+02	1.8.8E+04	2.739E+04	8.533E+03	3.611E+02	3.647E+02	3.386E+02	1.858E+04	2.763E+04	8.543E+03
Z	11	11	11	3	11	11	11	11	11	3	11	11
Z MAXIMUM	7.051E+02	6.305E+02	3.730E+02	2.648E+04	3.194E+04	3.172E+04	7.051E+02	6.305E+02	3.730E+02	2.648E+04	3.306E+04	3.362E+04
GRAND TOTAL	1.069E+03	9.054E+02	1.002E+03	1.166E+05	1.211E+05	4.881E+04	1.069E+03	9.054E+02	1.002E+03	1.166E+05	1.201E+05	4.994E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 52)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	11	3	3	3	3	11	11	3	3	3	3
X MAXIMUM	2.299E+02	2.093E+02	6.269E+02	1.019E+05	9.675E+04	2.442E+04	2.299E+02	2.093E+02	6.269E+02	1.019E+05	9.190E+04	2.282E+04
Y	13	14	14	3	13	11	13	14	14	3	13	11
Y MAXIMUM	3.611E+02	3.849E+02	3.385E+02	1.858E+04	2.763E+04	8.541E+03	3.611E+02	3.849E+02	3.385E+02	1.858E+04	2.826E+04	9.802E+03
Z	11	11	11	3	11	11	11	11	11	3	11	11
Z MAXIMUM	7.053E+02	6.422E+02	3.727E+02	2.648E+04	3.306E+04	3.361E+04	7.053E+02	6.422E+02	3.727E+02	2.648E+04	3.594E+04	3.857E+04
GRAND TOTAL	1.069E+03	9.203E+02	1.002E+03	1.166E+05	1.201E+05	4.995E+04	1.069E+03	9.203E+02	1.002E+03	1.166E+05	1.180E+05	5.349E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	11	3	11	3	3	3	3	3	11	3	3	3
X MAXIMUM	2.299E+02	6.269E+02	2.093E+02	1.019E+05	2.282E+04	9.190E+04	5.871E+02	2.995E+02	2.093E+02	5.681E+04	8.594E+04	8.615E+04
Y	13	14	14	3	11	13	14	13	14	12	3	13
Y MAXIMUM	3.611E+02	3.385E+02	3.849E+02	1.858E+04	9.802E+03	2.826E+04	3.711E+02	1.983E+02	3.849E+02	1.527E+04	1.568E+04	2.753E+04
Z	11	11	11	3	11	11	11	11	11	11	3	11
Z MAXIMUM	7.053E+02	3.727E+02	6.422E+02	2.648E+04	3.857E+04	3.594E+04	7.623E+02	2.350E+02	6.422E+02	4.491E+04	2.234E+04	3.680E+04
GRAND TOTAL	1.069E+03	1.002E+03	9.203E+02	1.166E+05	5.349E+04	1.180E+05	1.330E+03	6.131E+02	9.203E+02	8.569E+04	9.701E+04	1.139E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 53)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	11	3	3	3
X MAXIMUM	6.270E+02	2.298E+02	2.093E+02	1.966E+04	9.875E+04	8.555E+04
Y	14	13	14	11	3	13
Y MAXIMUM	3.386E+02	3.611E+02	3.849E+02	1.225E+04	1.801E+04	2.405E+04
Z	11	11	11	11	3	11
Z MAXIMUM	3.730E+02	7.051E+02	6.422E+02	4.821E+04	2.567E+04	3.096E+04
GRAND TOTAL	1.002E+03	1.069E+03	9.203E+02	6.213E+04	1.116E+05	1.088E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 54)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	11	3	3	3	3	11	11	3	3	3
X MAXIMUM	6.269E+02	2.093E+02	2.299E+02	1.971E+04	8.555E+04	9.874E+04	6.269E+02	2.093E+02	2.299E+02	1.971E+04	9.000E+04	9.420E+04
Y	14	14	13	11	13	3	14	14	13	11	3	3
Y MAXIMUM	3.385E+02	3.849E+02	3.612E+02	1.225E+04	2.405E+04	1.801E+04	3.385E+02	3.849E+02	3.612E+02	1.225E+04	1.641E+04	1.718E+04
Z	11	11	11	11	11	3	11	11	11	11	3	3
Z MAXIMUM	3.726E+02	6.422E+02	7.053E+02	4.820E+04	3.096E+04	2.567E+04	3.726E+02	6.422E+02	7.053E+02	4.820E+04	2.340E+04	2.449E+04
GRAND TOTAL	1.002E+03	9.203E+02	1.069E+03	6.214E+04	1.088E+05	1.116E+05	1.002E+03	9.203E+02	1.069E+03	6.214E+04	1.031E+05	1.071E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 55)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	11	3	7	3	3	3	11	3	7	3	3	3
X MAXIMUM	3.217E+02	3.911E+02	5.814E+02	1.970E+04	9.000E+04	9.420E+04	3.217E+02	3.911E+02	5.814E+02	1.970E+04	6.734E+04	7.341E+04
Y	12	12	13	11	3	3	12	12	13	11	16	3
Y MAXIMUM	3.384E+02	3.102E+02	3.751E+02	1.225E+04	1.641E+04	1.718E+04	3.384E+02	3.102E+02	3.751E+02	1.225E+04	1.948E+04	1.339E+04
Z	11	12	11	11	3	3	11	12	11	11	11	3
Z MAXIMUM	9.871E+02	3.038E+02	1.031E+03	4.820E+04	2.340E+04	2.449E+04	9.871E+02	3.038E+02	1.031E+03	4.820E+04	3.926E+04	1.908E+04
GRAND TOTAL	1.408E+03	8.526E+02	1.829E+03	6.213E+04	1.031E+05	1.071E+05	1.408E+03	8.526E+02	1.829E+03	6.213E+04	9.946E+04	7.967E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 56)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	7	3	3	3	3	3	7	3	3	3	3	3
X MAXIMUM	3.218E+02	3.911E+02	4.428E+03	1.970E+04	6.734E+04	7.341E+04	3.218E+02	3.911E+02	4.428E+03	1.970E+04	2.564E+04	6.520E+04
Y	12	12	12	11	16	3	12	12	12	11	16	3
Y MAXIMUM	3.383E+02	3.102E+02	9.207E+02	1.225E+04	1.948E+04	1.339E+04	3.383E+02	3.102E+02	9.207E+02	1.225E+04	2.035E+04	1.189E+04
Z	11	12	11	11	11	3	11	12	11	11	13	11
Z MAXIMUM	9.867E+02	3.038E+02	2.112E+03	4.820E+04	3.926E+04	1.908E+04	9.867E+02	3.038E+02	2.112E+03	4.820E+04	1.392E+04	2.146E+04
GRAND TOTAL	1.408E+03	8.526E+02	5.605E+03	6.213E+04	9.946E+04	7.967E+04	1.408E+03	8.526E+02	5.605E+03	6.213E+04	4.938E+04	7.384E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 57)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	7	3	3	3	3	3	7	3	3	3	3	3
X MAXIMUM	4.494E+02	3.659E+02	4.203E+03	1.895E+04	2.564E+04	6.542E+04	4.494E+02	3.659E+02	4.203E+03	1.895E+04	2.602E+04	6.539E+04
Y	12	12	12	11	16	3	12	12	12	11	16	3
Y MAXIMUM	3.931E+02	3.052E+02	7.721E+02	1.219E+04	2.035E+04	1.193E+04	3.931E+02	3.052E+02	7.721E+02	1.219E+04	2.036E+04	1.193E+04
Z	11	12	11	11	13	11	11	12	11	11	13	11
Z MAXIMUM	1.259E+03	2.989E+02	1.708E+03	4.796E+04	1.392E+04	2.200E+04	1.259E+03	2.989E+02	1.708E+03	4.796E+04	1.397E+04	2.201E+04
GRAND TOTAL	1.787E+03	8.395E+02	5.158E+03	6.163E+04	4.938E+04	7.427E+04	1.787E+03	8.395E+02	5.158E+03	6.163E+04	4.964E+04	7.425E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 58)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	7	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	4.391E+02	4.206E+03	3.659E+02	1.971E+04	6.516E+04	2.602E+04	3.124E+03	2.824E+03	3.659E+02	3.055E+04	5.616E+04	6.942E+04
Y	12	12	12	11	16	3	3	12	12	13	12	13
Y MAXIMUM	4.020E+02	7.675E+02	3.052E+02	1.225E+04	1.189E+04	2.036E+04	5.698E+02	8.269E+02	3.052E+02	8.022E+03	1.309E+04	2.098E+04
Z	11	11	12	11	11	13	3	11	12	11	11	11
Z MAXIMUM	1.279E+03	1.694E+03	2.989E+02	4.821E+04	2.145E+04	1.397E+04	8.122E+02	2.102E+03	2.989E+02	1.861E+04	5.000E+04	2.868E+04
GRAND TOTAL	1.793E+03	5.156E+03	8.395E+02	6.214E+04	7.382E+04	4.964E+04	3.714E+03	4.000E+03	8.395E+02	4.242E+04	8.511E+04	9.256E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 58)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	11	3
X MAXIMUM	4.206E+03	4.392E+02	3.659E+02	5.972E+04	1.605E+04	8.553E+04
Y	12	12	12	12	11	13
Y MAXIMUM	7.676E+02	4.018E+02	3.052E+02	1.225E+04	1.252E+04	2.254E+04
Z	11	11	12	11	11	11
Z MAXIMUM	1.694E+03	1.279E+03	2.989E+02	2.251E+04	4.925E+04	4.954E+04
GRAND TOTAL	5.156E+03	1.793E+03	8.395E+02	7.142E+04	6.332E+04	1.169E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 59)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	7	3	3	11	3	3	7	3	3	11
X MAXIMUM	4.206E+03	3.659E+02	4.398E+02	5.972E+04	8.553E+04	1.605E+04	4.206E+03	3.659E+02	4.398E+02	5.972E+04	8.486E+04	1.612E+04
Y	12	12	12	12	13	11	12	12	12	12	12	11
Y MAXIMUM	7.678E+02	3.052E+02	4.013E+02	1.225E+04	2.254E+04	1.251E+04	7.678E+02	3.052E+02	4.013E+02	1.225E+04	2.355E+04	1.257E+04
Z	11	12	11	11	11	11	11	12	11	11	11	11
Z MAXIMUM	1.695E+03	2.989E+02	1.277E+03	2.255E+04	4.954E+04	4.924E+04	1.695E+03	2.989E+02	1.277E+03	2.255E+04	5.349E+04	4.946E+04
GRAND TOTAL	5.156E+03	8.395E+02	1.792E+03	7.144E+04	1.169E+05	6.330E+04	5.156E+03	8.395E+02	1.792E+03	7.144E+04	1.186E+05	6.385E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 60)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	7	3	3	11	3	11	7	3	3	11
X MAXIMUM	4.206E+03	4.717E+02	4.395E+02	5.972E+04	8.486E+04	1.612E+04	4.206E+03	4.717E+02	4.395E+02	5.972E+04	8.422E+04	1.754E+04
Y	12	16	12	12	12	11	12	16	12	12	12	11
Y MAXIMUM	7.677E+02	1.123E+03	4.016E+02	1.225E+04	2.355E+04	1.257E+04	7.677E+02	1.123E+03	4.016E+02	1.225E+04	2.475E+04	1.367E+04
Z	11	11	11	11	11	11	11	11	11	11	11	11
Z MAXIMUM	1.694E+03	1.447E+03	1.278E+03	2.253E+04	5.349E+04	4.946E+04	1.694E+03	1.447E+03	1.278E+03	2.253E+04	5.733E+04	5.381E+04
GRAND TOTAL	5.156E+03	2.385E+03	1.793E+03	7.143E+04	1.186E+05	6.386E+04	5.156E+03	2.385E+03	1.793E+03	7.143E+04	1.204E+05	6.758E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 61)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	11	3	3	3	3	3	3
X MAXIMUM	1.720E+03	9.009E+02	2.277E+03	5.971E+04	8.422E+04	1.754E+04	1.720E+03	9.009E+02	2.277E+03	5.971E+04	1.047E+05	2.121E+04
Y	12	16	12	12	12	11	12	16	12	12	12	11
Y MAXIMUM	1.698E+03	1.065E+03	5.296E+02	1.224E+04	2.475E+04	1.368E+04	1.698E+03	1.065E+03	5.296E+02	1.224E+04	1.999E+04	1.456E+04
Z	11	16	11	11	11	11	11	16	11	11	11	11
Z MAXIMUM	4.595E+03	5.623E+02	1.625E+03	2.249E+04	5.733E+04	5.382E+04	4.595E+03	5.623E+02	1.625E+03	2.249E+04	4.272E+04	5.729E+04
GRAND TOTAL	6.017E+03	2.018E+03	3.184E+03	7.140E+04	1.204E+05	6.761E+04	6.017E+03	2.018E+03	3.184E+03	7.140E+04	1.268E+05	7.241E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 62)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	1.720E+03	9.009E+02	2.277E+03	5.971E+04	1.047E+05	2.121E+04	1.720E+03	9.009E+02	2.277E+03	5.971E+04	1.411E+05	3.563E+04
Y	12	16	12	12	12	11	12	16	12	12	3	16
Y MAXIMUM	1.698E+03	1.065E+03	5.297E+02	1.224E+04	1.999E+04	1.456E+04	1.698E+03	1.065E+03	5.297E+02	1.224E+04	2.574E+04	2.187E+04
Z	11	16	11	11	11	11	11	16	11	11	3	11
Z MAXIMUM	4.595E+03	5.623E+02	1.625E+03	2.249E+04	4.272E+04	5.729E+04	4.595E+03	5.623E+02	1.625E+03	2.249E+04	3.669E+04	6.346E+04
GRAND TOTAL	6.017E+03	2.018E+03	3.184E+03	7.140E+04	1.268E+05	7.241E+04	6.017E+03	2.018E+03	3.184E+03	7.140E+04	1.517E+05	5.983E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 63)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	3	0	3	11	3	11	3	0	3	3
X MAXIMUM	3.525E+02	7.280E+02	2.179E+03	0.	4.968E+04	1.660E+04	3.525E+02	7.280E+02	2.179E+03	0.	1.041E-03	5.503E-04
Y	16	12	3	0	3	12	16	12	3	0	3	13
Y MAXIMUM	7.255E+02	7.596E+02	3.974E+02	0.	9.062E+03	1.732E+04	7.255E+02	7.596E+02	3.974E+02	0.	2.441E-04	7.629E-05
Z	13	11	3	0	3	11	13	11	3	0	3	3
Z MAXIMUM	4.729E+02	2.234E+03	5.665E+02	0.	1.292E+04	5.093E+04	4.729E+02	2.234E+03	5.665E+02	0.	3.433E-04	1.564E-04
GRAND TOTAL	1.357E+03	2.741E+03	2.339E+03	0.	5.332E+04	6.249E+04	1.357E+03	2.741E+03	2.339E+03	0.	1.140E-03	6.146E-04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 64)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	7	3	7	3	3	3	7
X MAXIMUM	1.695E+02	3.154E+02	1.658E+03	1.494E+05	1.411E+05	1.510E+04	1.695E+02	3.154E+02	1.658E+03	1.494E+05	1.324E+05	1.343E+04
Y	12	13	13	3	3	13	12	13	13	3	3	13
Y MAXIMUM	1.569E+02	5.833E+02	3.719E+02	2.725E+04	2.574E+04	2.988E+04	1.569E+02	5.833E+02	3.719E+02	2.725E+04	2.414E+04	2.679E+04
Z	11	13	3	3	3	11	11	13	3	3	3	11
Z MAXIMUM	3.653E+02	5.181E+02	4.310E+02	3.884E+04	3.669E+04	3.297E+04	3.653E+02	5.181E+02	4.310E+02	3.884E+04	3.441E+04	3.105E+04
GRAND TOTAL	5.239E+02	1.283E+03	1.897E+03	1.584E+05	1.517E+05	7.380E+04	5.239E+02	1.283E+03	1.897E+03	1.584E+05	1.419E+05	6.719E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 65)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	7	3	7	3	3	3	7
X MAXIMUM	3.848E+02	3.262E+02	2.063E+03	1.494E+05	1.324E+05	1.343E+04	3.848E+02	3.262E+02	2.063E+03	1.494E+05	1.103E+05	9.941E+03
Y	3	13	3	3	3	13	3	13	3	3	3	13
Y MAXIMUM	7.018E+01	6.863E+02	3.763E+02	2.725E+04	2.414E+04	2.679E+04	7.018E+01	6.863E+02	3.763E+02	2.725E+04	2.011E+04	1.944E+04
Z	3	13	3	3	3	11	3	13	3	3	3	11
Z MAXIMUM	1.000E+02	6.096E+02	5.363E+02	3.884E+04	3.441E+04	3.105E+04	1.000E+02	6.096E+02	5.363E+02	3.884E+04	2.867E+04	2.704E+04
GRAND TOTAL	4.379E+02	1.483E+03	2.276E+03	1.584E+05	1.419E+05	6.718E+04	4.379E+02	1.483E+03	2.276E+03	1.584E+05	1.181E+05	5.206E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 66)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	7	3	7	3	3	3	11
X MAXIMUM	3.838E+02	3.262E+02	2.063E+03	1.494E+05	1.103E+05	9.940E+03	3.838E+02	3.262E+02	2.063E+03	1.494E+05	8.629E+04	7.391E+03
Y	3	13	3	3	3	13	3	13	3	3	3	13
Y MAXIMUM	7.001E+01	6.863E+02	3.763E+02	2.725E+04	2.011E+04	1.944E+04	7.001E+01	6.863E+02	3.763E+02	2.725E+04	1.574E+04	1.146E+04
Z	3	13	3	3	3	11	3	13	3	3	3	11
Z MAXIMUM	9.978E+01	6.096E+02	5.363E+02	3.884E+04	2.867E+04	2.704E+04	9.978E+01	6.096E+02	5.363E+02	3.884E+04	2.243E+04	2.268E+04
GRAND TOTAL	4.371E+02	1.483E+03	2.276E+03	1.584E+05	1.181E+05	5.205E+04	4.371E+02	1.483E+03	2.276E+03	1.584E+05	9.250E+04	3.637E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 67)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	7	3	3	3	11	7	3	3	3	3	11
X MAXIMUM	3.848E+02	3.262E+02	2.063E+03	1.494E+05	8.629E+04	7.390E+03	2.486E+02	3.586E+02	2.063E+03	5.374E+04	1.448E+05	6.168E+03
Y	3	13	3	3	3	13	13	13	3	3	3	12
Y MAXIMUM	7.019E+01	6.863E+02	3.763E+02	2.725E+04	1.574E+04	1.146E+04	5.129E+02	4.577E+02	3.763E+02	9.801E+03	2.641E+04	6.732E+03
Z	3	13	3	3	3	11	13	13	3	11	3	11
Z MAXIMUM	1.000E+02	6.096E+02	5.363E+02	3.884E+04	2.243E+04	2.267E+04	4.556E+02	4.065E+02	5.363E+02	1.762E+04	3.764E+04	1.893E+04
GRAND TOTAL	4.380E+02	1.483E+03	2.276E+03	1.584E+05	9.250E+04	3.638E+04	1.129E+03	1.057E+03	2.276E+03	6.107E+04	1.525E+05	2.428E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 67)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	7	3	3	3	3	11
X MAXIMUM	3.262E+02	3.849E+02	2.063E+03	5.529E+04	1.185E+05	5.814E+03
Y	13	3	3	3	3	12
Y MAXIMUM	6.863E+02	7.020E+01	3.763E+02	1.008E+04	2.162E+04	5.311E+03
Z	13	3	3	3	3	11
Z MAXIMUM	6.097E+02	1.000E+02	5.363E+02	1.437E+04	3.081E+04	1.784E+04
GRAND TOTAL	1.483E+03	4.379E+02	2.276E+03	6.059E+04	1.256E+05	2.180E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 68)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	7	3	3	3	3	3	7	3	3	3	3	3
X MAXIMUM	3.262E+02	4.355E+02	2.053E+03	5.534E+04	1.079E+05	4.902E+04	3.262E+02	4.355E+02	2.053E+03	5.534E+04	7.781E+04	4.263E+04
Y	13	13	3	3	3	3	13	13	3	3	3	3
Y MAXIMUM	6.863E+02	1.712E+02	3.744E+02	1.009E+04	1.969E+04	8.940E+03	6.863E+02	1.712E+02	3.744E+02	1.009E+04	1.419E+04	7.775E+03
Z	13	13	3	3	3	11	13	13	3	3	3	11
Z MAXIMUM	6.096E+02	1.521E+02	5.337E+02	1.439E+04	2.806E+04	2.102E+04	6.096E+02	1.521E+02	5.337E+02	1.439E+04	2.023E+04	2.210E+04
GRAND TOTAL	1.483E+03	5.936E+02	2.240E+03	6.064E+04	1.140E+05	5.685E+04	1.483E+03	5.936E+02	2.240E+03	6.064E+04	8.247E+04	5.202E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 69)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	7	3	3	3	3	3	7	3	3	3	3	3
X MAXIMUM	3.510E+02	4.588E+02	2.506E+03	5.534E+04	7.781E+04	4.263E+04	3.510E+02	4.588E+02	2.506E+03	5.534E+04	5.080E+04	1.908E+04
Y	13	13	3	3	3	3	13	13	3	3	16	13
Y MAXIMUM	8.347E+02	1.179E+02	4.571E+02	1.009E+04	1.419E+04	7.775E+03	8.347E+02	1.179E+02	4.571E+02	1.009E+04	1.536E+04	8.660E+03
Z	13	11	3	3	3	11	13	11	3	3	3	11
Z MAXIMUM	7.414E+02	2.288E+02	6.514E+02	1.439E+04	2.023E+04	2.210E+04	7.414E+02	2.288E+02	6.514E+02	1.439E+04	1.321E+04	1.036E+04
GRAND TOTAL	1.802E+03	5.901E+02	2.689E+03	6.064E+04	8.247E+04	5.202E+04	1.802E+03	5.901E+02	2.689E+03	6.064E+04	6.287E+04	3.012E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 70)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	7	3	3	3	3	3	7	3	3	3	3	3
X MAXIMUM	3.758E+02	4.801E+02	2.680E+03	5.534E+04	5.080E+04	1.908E+04	3.758E+02	4.801E+02	2.680E+03	5.534E+04	5.106E+04	1.903E+04
Y	13	11	3	3	16	13	13	11	3	3	16	13
Y MAXIMUM	9.824E+02	1.157E+02	4.888E+02	1.009E+04	1.536E+04	8.660E+03	9.824E+02	1.157E+02	4.888E+02	1.009E+04	1.537E+04	8.665E+03
Z	13	11	3	3	3	11	13	11	3	3	3	11
Z MAXIMUM	8.726E+02	4.552E+02	6.967E+02	1.439E+04	1.321E+04	1.036E+04	8.726E+02	4.552E+02	6.967E+02	1.439E+04	1.327E+04	1.031E+04
GRAND TOTAL	2.138E+03	7.441E+02	2.860E+03	6.064E+04	6.287E+04	3.012E+04	2.138E+03	7.441E+02	2.860E+03	6.064E+04	6.312E+04	3.007E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 71)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	7	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	3.758E+02	2.659E+03	5.838E+02	5.534E+04	3.715E+04	3.987E+04	1.751E+03	2.010E+03	5.838E+02	6.795E+04	6.721E+03	6.869E+04
Y	13	3	12	3	3	13	13	13	12	3	11	13
Y MAXIMUM	9.824E+02	4.851E+02	1.442E+02	1.009E+04	6.776E+03	1.689E+04	8.765E+02	5.128E+02	1.442E+02	1.239E+04	2.240E+03	1.531E+04
Z	13	3	11	3	3	13	13	3	11	3	11	3
Z MAXIMUM	8.726E+02	6.913E+02	4.652E+02	1.439E+04	9.657E+03	1.500E+04	7.785E+02	5.225E+02	4.652E+02	1.766E+04	8.813E+03	1.786E+04
GRAND TOTAL	2.138E+03	2.836E+03	8.325E+02	6.064E+04	4.040E+04	5.706E+04	2.585E+03	2.436E+03	8.325E+02	7.246E+04	1.298E+04	7.960E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 71)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	3
X MAXIMUM	2.659E+03	3.758E+02	5.838E+02	4.584E+04	4.665E+04	8.223E+04
Y	3	13	12	3	3	3
Y MAXIMUM	4.851E+02	9.824E+02	1.442E+02	8.360E+03	8.509E+03	1.500E+04
Z	3	13	11	3	3	3
Z MAXIMUM	6.913E+02	8.726E+02	4.652E+02	1.192E+04	1.213E+04	2.138E+04
GRAND TOTAL	2.836E+03	2.138E+03	8.325E+02	4.845E+04	5.039E+04	8.731E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 72)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	3	3	7	3	3	3	3
X MAXIMUM	2.659E+03	3.758E+02	5.868E+02	4.594E+04	4.664E+04	8.218E+04	2.659E+03	3.758E+02	5.868E+02	4.594E+04	4.299E+04	8.332E+04
Y	3	13	12	3	3	3	3	13	12	3	3	3
Y MAXIMUM	4.849E+02	9.824E+02	1.444E+02	8.379E+03	8.507E+03	1.499E+04	4.849E+02	9.824E+02	1.444E+02	8.379E+03	7.842E+03	1.520E+04
Z	3	13	11	3	3	3	3	13	11	3	3	3
Z MAXIMUM	6.912E+02	8.726E+02	4.651E+02	1.194E+04	1.212E+04	2.136E+04	6.912E+02	8.726E+02	4.651E+02	1.194E+04	1.118E+04	2.166E+04
GRAND TOTAL	2.835E+03	2.138E+03	8.349E+02	4.856E+04	5.037E+04	8.726E+04	2.835E+03	2.138E+03	8.349E+02	4.856E+04	4.639E+04	8.747E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 73)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	7	3	3	3	3	3	7	3	3	3	3
X MAXIMUM	2.660E+03	3.701E+02	5.833E+02	4.583E+04	4.299E+04	8.338E+04	2.660E+03	3.701E+02	5.833E+02	4.583E+04	3.726E+04	8.432E+04
Y	3	13	12	3	3	3	3	13	12	3	3	3
Y MAXIMUM	4.851E+02	9.694E+02	1.442E+02	8.360E+03	7.842E+03	1.521E+04	4.851E+02	9.694E+02	1.442E+02	8.360E+03	6.796E+03	1.538E+04
Z	3	13	11	3	3	3	3	13	11	3	3	3
Z MAXIMUM	6.914E+02	8.611E+02	4.652E+02	1.191E+04	1.118E+04	2.167E+04	6.914E+02	8.611E+02	4.652E+02	1.191E+04	9.685E+03	2.192E+04
GRAND TOTAL	2.836E+03	2.102E+03	8.322E+02	4.845E+04	4.639E+04	8.754E+04	2.836E+03	2.102E+03	8.322E+02	4.845E+04	4.067E+04	9.095E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 74)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	2.660E+03	3.940E+03	5.826E+02	4.581E+04	3.726E+04	8.433E+04	2.660E+03	3.940E+03	5.826E+02	4.581E+04	3.465E+04	6.668E+04
Y	3	3	12	3	3	3	3	3	12	3	3	3
Y MAXIMUM	4.851E+02	7.185E+02	1.441E+02	8.356E+03	6.796E+03	1.538E+04	4.851E+02	7.185E+02	1.441E+02	8.356E+03	6.319E+03	1.216E+04
Z	3	3	11	3	3	3	3	3	11	3	3	3
Z MAXIMUM	6.914E+02	1.024E+03	4.652E+02	1.191E+04	9.685E+03	2.192E+04	6.914E+02	1.024E+03	4.652E+02	1.191E+04	9.007E+03	1.733E+04
GRAND TOTAL	2.836E+03	4.207E+03	8.317E+02	4.842E+04	4.067E+04	9.096E+04	2.836E+03	4.207E+03	8.317E+02	4.842E+04	3.836E+04	7.411E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 75)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	2.659E+03	3.940E+03	5.847E+02	4.589E+04	3.463E+04	6.663E+04	4.666E+03	9.059E+02	5.847E+02	5.437E+04	1.417E+04	3.653E+04
Y	3	3	12	3	3	3	3	3	12	3	12	13
Y MAXIMUM	4.850E+02	7.186E+02	1.443E+02	8.371E+03	6.316E+03	1.215E+04	8.510E+02	1.652E+02	1.443E+02	9.916E+03	3.436E+03	1.433E+04
Z	3	3	11	3	3	3	3	3	11	3	11	13
Z MAXIMUM	6.912E+02	1.024E+03	4.651E+02	1.193E+04	9.001E+03	1.732E+04	1.213E+03	2.355E+02	4.651E+02	1.413E+04	7.774E+03	1.273E+04
GRAND TOTAL	2.835E+03	4.207E+03	8.332E+02	4.851E+04	3.834E+04	7.406E+04	4.977E+03	9.846E+02	8.332E+02	5.862E+04	1.834E+04	4.903E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 75)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3
X MAXIMUM	3.940E+03	2.658E+03	5.847E+02	2.586E+04	5.466E+04	4.741E+04
Y	3	3	12	12	3	13
Y MAXIMUM	7.186E+02	4.849E+02	1.443E+02	6.018E+03	9.970E+03	1.333E+04
Z	3	3	11	11	3	3
Z MAXIMUM	1.024E+03	6.911E+02	4.651E+02	9.995E+03	1.421E+04	1.233E+04
GRAND TOTAL	4.207E+03	2.835E+03	8.332E+02	3.258E+04	5.820E+04	5.774E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 76)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	3
X MAXIMUM	3.940E+03	4.801E+02	2.680E+03	2.587E+04	6.476E+04	3.227E+04	3.940E+03	4.801E+02	2.680E+03	2.587E+04	1.237E+05	2.172E+04
Y	3	11	3	12	13	3	3	11	3	12	3	12
Y MAXIMUM	7.185E+02	1.157E+02	4.888E+02	6.020E+03	1.269E+04	5.885E+03	7.185E+02	1.157E+02	4.888E+02	6.020E+03	2.255E+04	5.968E+03
Z	3	11	3	11	3	11	3	11	3	11	3	11
Z MAXIMUM	1.024E+03	4.552E+02	6.967E+02	9.998E+03	1.684E+04	1.043E+04	1.024E+03	4.552E+02	6.967E+02	9.998E+03	3.214E+04	2.043E+04
GRAND TOTAL	4.207E+03	7.441E+02	2.860E+03	3.259E+04	7.314E+04	3.704E+04	4.207E+03	7.441E+02	2.860E+03	3.259E+04	1.308E+05	3.345E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 77)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	3	3	3	3	3	3	3	3	3	3	11
X MAXIMUM	3.940E+03	4.787E+02	2.754E+03	2.587E+04	1.237E+05	2.172E+04	3.940E+03	4.787E+02	2.754E+03	2.587E+04	2.614E+05	1.537E+04
Y	3	11	3	12	3	12	3	11	3	12	3	11
Y MAXIMUM	7.187E+02	1.359E+02	5.022E+02	6.020E+03	2.255E+04	5.968E+03	7.187E+02	1.359E+02	5.022E+02	6.020E+03	4.767E+04	1.199E+04
Z	3	11	3	11	3	11	3	11	3	11	3	11
Z MAXIMUM	1.024E+03	5.346E+02	7.158E+02	9.998E+03	3.214E+04	2.043E+04	1.024E+03	5.346E+02	7.158E+02	9.998E+03	6.795E+04	4.717E+04
GRAND TOTAL	4.208E+03	8.231E+02	2.944E+03	3.259E+04	1.308E+05	3.345E+04	4.208E+03	8.231E+02	2.944E+03	3.259E+04	2.749E+05	5.546E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 78)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	9	9	8	8	8	9	9	9	8	3	8
X MAXIMUM	1.886E+02	5.026E+02	3.313E+02	2.335E+04	3.762E+03	1.548E+04	1.886E+02	5.026E+02	3.313E+02	2.335E+04	3.158E+03	1.441E+04
Y	12	9	9	8	8	8	12	9	9	8	8	8
Y MAXIMUM	2.552E+02	6.442E+02	4.247E+02	3.017E+04	4.861E+03	2.001E+04	2.552E+02	6.442E+02	4.247E+02	3.017E+04	2.813E+03	1.862E+04
Z	12	12	12	8	11	12	12	12	12	8	11	12
Z MAXIMUM	2.499E+02	3.402E+02	2.663E+02	1.239E+04	3.299E+03	1.049E+04	2.499E+02	3.402E+02	2.663E+02	1.239E+04	3.152E+03	8.661E+03
GRAND TOTAL	8.236E+02	1.173E+03	9.958E+02	4.991E+04	1.293E+04	4.167E+04	8.236E+02	1.173E+03	9.958E+02	4.991E+04	9.005E+03	3.929E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 79)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	9	9	8	3	8	9	9	9	8	3	8
X MAXIMUM	2.499E+02	5.026E+02	2.879E+02	2.007E+04	3.158E+03	1.871E+04	2.499E+02	5.026E+02	2.879E+02	2.007E+04	3.156E+03	1.871E+04
Y	9	9	9	8	8	8	9	9	9	8	8	8
Y MAXIMUM	3.204E+02	6.442E+02	3.690E+02	2.594E+04	2.813E+03	2.418E+04	3.204E+02	6.442E+02	3.690E+02	2.594E+04	2.806E+03	2.417E+04
Z	11	12	12	8	11	8	11	12	12	8	11	8
Z MAXIMUM	2.409E+02	3.402E+02	3.101E+02	1.065E+04	3.152E+03	9.926E+03	2.409E+02	3.402E+02	3.101E+02	1.065E+04	3.152E+03	9.924E+03
GRAND TOTAL	8.775E+02	1.173E+03	9.486E+02	4.568E+04	9.005E+03	4.414E+04	8.775E+02	1.173E+03	9.486E+02	4.568E+04	8.994E+03	4.413E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 80)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
MAXIMUM	1.881E+02	5.026E+02	3.316E+02	2.337E+04	3.156E+03	1.437E+04	1.881E+02	5.026E+02	3.316E+02	2.337E+04	2.744E+03	1.326E+04
MAXIMUM	2.556E+02	6.442E+02	4.251E+02	3.020E+04	2.806E+03	1.857E+04	2.556E+02	6.442E+02	4.251E+02	3.020E+04	2.325E+03	1.713E+04
MAXIMUM	2.503E+02	3.402E+02	2.659E+02	1.240E+04	3.152E+03	8.661E+03	2.503E+02	3.402E+02	2.659E+02	1.240E+04	2.998E+03	7.033E+03
GRAND TOTAL	8.232E+02	1.173E+03	9.961E+02	4.994E+04	8.994E+03	3.924E+04	8.232E+02	1.173E+03	9.961E+02	4.994E+04	7.234E+03	3.775E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 81)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
MAXIMUM	1.888E+02	5.026E+02	3.312E+02	2.335E+04	2.744E+03	1.331E+04	4.890E+02	2.707E+02	3.312E+02	1.690E+04	1.502E+04	1.155E+04
MAXIMUM	2.550E+02	6.442E+02	4.246E+02	3.017E+04	2.325E+03	1.719E+04	6.269E+02	4.259E+02	1.246E+02	2.184E+04	1.940E+04	1.493E+04
MAXIMUM	2.498E+02	3.402E+02	2.664E+02	1.238E+04	2.998E+03	7.058E+03	3.264E+02	4.171E+02	2.664E+02	8.966E+03	7.966E+03	6.128E+03
GRAND TOTAL	8.237E+02	1.173E+03	9.957E+02	4.991E+04	7.234E+03	3.779E+04	9.879E+02	1.039E+03	9.957E+02	3.584E+04	3.423E+04	3.546E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 81)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
MAXIMUM	5.022E+02	1.897E+02	3.312E+02	3.514E+03	2.070E+04	9.857E+03
MAXIMUM	6.438E+02	2.544E+02	4.246E+02	4.770E+03	2.674E+04	1.274E+04
MAXIMUM	3.406E+02	2.492E+02	2.664E+02	4.671E+03	1.098E+04	5.966E+03
GRAND TOTAL	1.173E+03	8.236E+02	9.957E+02	1.168E+04	4.587E+04	3.119E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 82)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
MAXIMUM	5.026E+02	1.921E+02	3.676E+02	3.496E+03	2.160E+04	1.392E+04	5.026E+02	1.921E+02	3.676E+02	3.496E+03	2.092E+04	1.413E+04
MAXIMUM	6.442E+02	3.727E+02	4.713E+02	4.773E+03	2.791E+04	1.785E+04	6.442E+02	3.727E+02	4.713E+02	4.773E+03	2.703E+04	1.811E+04
MAXIMUM	3.402E+02	3.650E+02	2.454E+02	4.675E+03	1.146E+04	9.293E+03	3.402E+02	3.650E+02	2.454E+02	4.675E+03	1.110E+04	9.429E+03
GRAND TOTAL	1.173E+03	7.922E+02	1.021E+03	1.169E+04	4.379E+04	3.405E+04	1.173E+03	7.922E+02	1.021E+03	1.169E+04	4.241E+04	3.360E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 83)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
MAXIMUM	4.563E+02	1.664E+02	3.013E+02	3.496E+03	2.092E+04	1.413E+04	4.563E+02	1.664E+02	3.013E+02	3.496E+03	1.327E+04	1.677E+04
MAXIMUM	5.850E+02	2.704E+02	3.893E+02	4.773E+03	2.703E+04	1.811E+04	5.850E+02	2.704E+02	3.893E+02	4.773E+03	1.701E+04	2.149E+04
MAXIMUM	3.046E+02	2.648E+02	1.747E+02	4.675E+03	1.110E+04	9.429E+03	3.046E+02	2.648E+02	1.747E+02	4.675E+03	8.856E+03	1.119E+04
GRAND TOTAL	1.021E+03	6.739E+02	8.426E+02	1.169E+04	4.241E+04	3.360E+04	1.021E+03	6.739E+02	8.426E+02	1.169E+04	2.935E+04	3.536E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 84)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
MAXIMUM	4.563E+02	2.593E+02	1.836E+02	3.496E+03	2.498E+03	2.124E+04	4.843E+02	3.231E+02	1.836E+02	2.572E+03	3.948E+03	2.149E+04
MAXIMUM	5.850E+02	3.350E+02	2.156E+02	4.773E+03	4.846E+03	2.722E+04	6.208E+02	4.175E+02	2.156E+02	2.885E+03	7.661E+03	2.755E+04
MAXIMUM	3.046E+02	2.424E+02	1.321E+02	4.675E+03	4.746E+03	1.418E+04	3.567E+02	1.714E+02	1.321E+02	1.456E+03	7.503E+03	1.434E+04
GRAND TOTAL	1.021E+03	8.629E+02	6.477E+02	1.169E+04	1.188E+04	4.439E+04	1.105E+03	7.516E+02	6.477E+02	7.214E+03	1.543E+04	4.431E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 84)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
MAXIMUM	2.593E+02	4.563E+02	1.836E+02	3.123E+03	3.086E+03	1.919E+04
MAXIMUM	3.350E+02	5.850E+02	2.156E+02	6.060E+03	5.987E+03	2.460E+04
MAXIMUM	2.424E+02	3.046E+02	1.321E+02	5.936E+03	5.864E+03	1.281E+04
GRAND TOTAL	8.629E+02	1.021E+03	6.477E+02	1.346E+04	1.142E+04	3.950E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 85)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
MAXIMUM	1.356E+02	4.007E+02	1.373E+02	3.123E+03	3.086E+03	1.919E+04	1.356E+02	4.007E+02	1.373E+02	3.123E+03	2.785E+03	1.522E+04
MAXIMUM	1.988E+02	5.137E+02	1.469E+02	6.060E+03	5.987E+03	2.460E+04	1.988E+02	5.137E+02	1.469E+02	6.060E+03	5.405E+03	1.951E+04
MAXIMUM	2.028E+02	2.675E+02	7.543E+01	5.936E+03	5.864E+03	1.281E+04	2.028E+02	2.675E+02	7.543E+01	5.936E+03	5.293E+03	1.016E+04
GRAND TOTAL	6.135E+02	8.637E+02	3.992E+02	1.346E+04	1.142E+04	3.950E+04	6.135E+02	8.637E+02	3.992E+02	1.346E+04	1.062E+04	3.160E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 86)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
MAXIMUM	1.356E+02	1.373E+02	4.007E+02	3.123E+03	1.522E+04	2.785E+03	1.541E+02	1.570E+02	4.007E+02	4.447E+03	1.313E+04	2.611E+03
MAXIMUM	1.988E+02	1.469E+02	5.137E+02	6.060E+03	1.951E+04	5.405E+03	1.750E+02	2.028E+02	5.137E+02	5.700E+03	1.683E+04	5.065E+03
MAXIMUM	2.028E+02	7.543E+01	2.675E+02	5.936E+03	1.016E+04	5.293E+03	2.127E+02	1.278E+02	2.675E+02	3.690E+03	8.766E+03	4.961E+03
GRAND TOTAL	6.135E+02	3.992E+02	8.637E+02	1.346E+04	3.160E+04	1.062E+04	5.623E+02	4.687E+02	8.637E+02	1.395E+04	2.859E+04	1.040E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 86)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
MAXIMUM	1.748E+02	1.763E+02	4.007E+02	8.864E+03	9.045E+03	2.322E+03
MAXIMUM	1.588E+02	2.277E+02	5.137E+02	1.136E+04	1.159E+04	4.505E+03
MAXIMUM	1.901E+02	1.785E+02	2.675E+02	5.917E+03	7.977E+03	4.412E+03
GRAND TOTAL	4.770E+02	5.552E+02	8.637E+02	1.950E+04	2.226E+04	9.909E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 87)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
κ	3	9	8	9	12	9	3	9	8	9	8	8
κ MAXIMUM	1.747E+02	4.007E+02	1.762E+02	8.854E+03	2.322E+03	9.054E+03	1.747E+02	4.007E+02	1.762E+02	8.854E+03	7.666E+03	5.660E+03
γ	16	9	8	9	12	9	16	9	8	9	8	8
γ MAXIMUM	1.589E+02	5.137E+02	2.277E+02	1.135E+04	4.505E+03	1.161E+04	1.589E+02	5.137E+02	2.277E+02	1.135E+04	9.905E+03	7.313E+03
z	15	9	12	9	12	12	15	9	12	9	8	9
z MAXIMUM	1.902E+02	2.675E+02	1.784E+02	5.910E+03	4.412E+03	7.977E+03	1.902E+02	2.675E+02	1.784E+02	5.910E+03	4.067E+03	3.187E+03
GRAND TOTAL	4.773E+02	8.637E+02	5.550E+02	1.948E+04	9.909E+03	2.227E+04	4.773E+02	8.637E+02	5.550E+02	1.948E+04	1.891E+04	1.665E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 88)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
κ	3	9	12	9	8	8	3	9	12	9	8	9
κ MAXIMUM	1.838E+02	2.429E+02	1.148E+02	8.854E+03	7.666E+03	5.660E+03	1.838E+02	2.429E+02	1.148E+02	8.854E+03	9.333E+03	1.137E+04
γ	16	9	12	9	8	8	16	9	12	9	8	9
γ MAXIMUM	1.851E+02	3.114E+02	2.227E+02	1.135E+04	9.905E+03	7.313E+03	1.851E+02	3.114E+02	2.227E+02	1.135E+04	1.206E+04	1.458E+04
z	15	9	12	9	8	9	15	9	12	9	12	9
z MAXIMUM	2.107E+02	1.621E+02	2.181E+02	5.910E+03	4.067E+03	3.187E+03	2.107E+02	1.621E+02	2.181E+02	5.910E+03	7.668E+03	7.590E+03
GRAND TOTAL	4.846E+02	5.126E+02	4.327E+02	1.948E+04	1.891E+04	1.665E+04	4.846E+02	5.126E+02	4.327E+02	1.948E+04	2.548E+04	2.716E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 89)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
κ	3	9	12	9	8	9	3	9	12	9	8	9
κ MAXIMUM	1.838E+02	2.637E+02	1.148E+02	8.854E+03	9.333E+03	1.137E+04	1.838E+02	2.637E+02	1.148E+02	8.854E+03	1.092E+04	1.820E+04
γ	16	9	12	9	8	9	16	9	12	9	8	9
γ MAXIMUM	1.851E+02	3.380E+02	2.227E+02	1.135E+04	1.206E+04	1.458E+04	1.851E+02	3.380E+02	2.227E+02	1.135E+04	1.411E+04	2.333E+04
z	15	9	12	9	12	9	15	9	12	9	12	9
z MAXIMUM	2.107E+02	1.760E+02	2.181E+02	5.910E+03	7.668E+03	7.590E+03	2.107E+02	1.760E+02	2.181E+02	5.910E+03	1.332E+04	1.215E+04
GRAND TOTAL	4.846E+02	5.589E+02	4.327E+02	1.948E+04	2.548E+04	2.716E+04	4.846E+02	5.589E+02	4.327E+02	1.948E+04	3.441E+04	4.047E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 90)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
κ	3	32	20	9	8	9	3	32	20	9	12	9
κ MAXIMUM	1.925E+02	3.068E+01	1.372E+02	8.854E+03	1.092E+04	1.820E+04	1.925E+02	3.068E+01	1.372E+02	8.854E+03	1.253E+04	1.954E+04
γ	12	17	12	9	8	9	12	17	12	9	12	9
γ MAXIMUM	2.152E+02	4.462E+01	2.067E+02	1.135E+04	1.411E+04	2.333E+04	2.152E+02	4.462E+01	2.067E+02	1.135E+04	2.431E+04	2.505E+04
z	11	15	12	9	12	9	11	15	12	9	12	9
z MAXIMUM	2.743E+02	3.665E+01	2.025E+02	5.910E+03	1.332E+04	1.215E+04	2.743E+02	3.665E+01	2.025E+02	5.910E+03	2.381E+04	1.304E+04
GRAND TOTAL	6.694E+02	1.444E+02	4.620E+02	1.948E+04	3.441E+04	4.047E+04	6.694E+02	1.444E+02	4.620E+02	1.948E+04	4.892E+04	4.215E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 91)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
κ	3	9	20	9	12	9	3	9	20	9	12	9
κ MAXIMUM	2.012E+02	2.311E+02	1.885E+02	8.854E+03	1.253E+04	1.954E+04	2.012E+02	2.311E+02	1.885E+02	8.854E+03	1.524E+04	1.356E+04
γ	12	9	12	9	12	9	12	9	12	9	12	9
γ MAXIMUM	3.685E+02	2.962E+02	2.036E+02	1.135E+04	2.431E+04	2.505E+04	3.685E+02	2.962E+02	2.036E+02	1.135E+04	2.958E+04	1.738E+04
z	11	9	12	9	12	9	11	9	12	9	12	9
z MAXIMUM	3.827E+02	1.542E+02	1.994E+02	5.910E+03	2.381E+04	1.304E+04	3.827E+02	1.542E+02	1.994E+02	5.910E+03	2.897E+04	9.049E+03
GRAND TOTAL	9.288E+02	5.067E+02	5.464E+02	1.948E+04	4.892E+04	4.215E+04	9.288E+02	5.067E+02	5.464E+02	1.948E+04	5.862E+04	2.963E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 92)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	9	12	9	12	9	3	9	12	9	6	9
X MAXIMUM	2.012E+02	2.311E+02	3.410E+02	8.854E+03	1.524E+04	1.356E+04	2.012E+02	2.311E+02	3.410E+02	8.854E+03	5.280E+03	3.605E+03
Y	12	9	12	9	12	9	12	9	12	9	6	9
Y MAXIMUM	3.685E+02	2.962E+02	6.616E+02	1.135E+04	2.958E+04	1.738E+04	3.685E+02	2.962E+02	6.616E+02	1.135E+04	6.923E+03	4.621E+03
Z	11	9	12	9	12	9	11	9	12	9	15	1
Z MAXIMUM	3.827E+02	1.542E+02	6.480E+02	5.910E+03	2.897E+04	9.049E+03	3.827E+02	1.542E+02	6.480E+02	5.910E+03	6.064E+03	3.285E+03
GRAND TOTAL	9.288E+02	5.067E+02	1.513E+03	1.948E+04	5.862E+04	2.963E+04	9.288E+02	5.067E+02	1.513E+03	1.948E+04	2.069E+04	1.209E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 93)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	12	9	6	9	6	9	12	9	6	9	6	6
X MAXIMUM	3.211E+02	5.293E+02	2.470E+02	8.854E+03	5.280E+03	3.605E+03	3.211E+02	5.293E+02	2.470E+02	8.854E+03	7.239E+03	2.145E+03
Y	12	9	12	9	6	9	12	9	12	9	6	6
Y MAXIMUM	6.230E+02	6.785E+02	3.496E+02	1.135E+04	6.923E+03	4.621E+03	6.230E+02	6.785E+02	3.496E+02	1.135E+04	9.492E+03	2.812E+03
Z	12	9	12	9	15	1	12	9	12	9	15	1
Z MAXIMUM	6.102E+02	3.533E+02	3.424E+02	5.910E+03	6.064E+03	3.285E+03	6.102E+02	3.533E+02	3.424E+02	5.910E+03	7.446E+03	3.317E+03
GRAND TOTAL	1.413E+03	1.117E+03	8.972E+02	1.948E+04	2.069E+04	1.209E+04	1.413E+03	1.117E+03	8.972E+02	1.948E+04	2.495E+04	7.842E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 94)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	12	6	9	9	6	6	6	12	5	9	6	6
X MAXIMUM	3.211E+02	2.470E+02	5.293E+02	8.854E+03	2.145E+03	7.239E+03	1.889E+02	3.544E+02	5.293E+02	8.076E+03	3.660E+03	8.758E+03
Y	12	12	9	9	6	6	16	12	9	9	6	6
Y MAXIMUM	6.230E+02	3.496E+02	6.785E+02	1.135E+04	2.812E+03	9.492E+03	3.061E+02	6.877E+02	6.785E+02	1.035E+04	4.798E+03	1.148E+04
Z	12	12	9	9	1	15	15	12	9	9	1	15
Z MAXIMUM	6.102E+02	3.424E+02	3.533E+02	5.910E+03	3.317E+03	7.446E+03	3.220E+02	6.736E+02	3.533E+02	5.391E+03	5.194E+03	7.814E+03
GRAND TOTAL	1.413E+03	8.972E+02	1.117E+03	1.948E+04	7.842E+03	2.495E+04	8.773E+02	1.425E+03	1.117E+03	1.552E+04	1.253E+04	2.942E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 94)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	12	9	9	9	8
X MAXIMUM	2.470E+02	3.211E+02	5.293E+02	5.357E+03	4.091E+03	1.014E+04
Y	12	12	9	9	9	8
Y MAXIMUM	3.496E+02	6.230E+02	6.785E+02	6.867E+03	5.244E+03	1.311E+04
Z	12	12	9	9	1	12
Z MAXIMUM	3.424E+02	6.102E+02	3.533E+02	3.576E+03	4.029E+03	1.023E+04
GRAND TOTAL	8.972E+02	1.413E+03	1.117E+03	1.247E+04	1.217E+04	3.403E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 95)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	9	12	9	8	9	6	9	12	9	8	20
X MAXIMUM	2.470E+02	5.293E+02	3.211E+02	5.357E+03	1.014E+04	4.091E+03	2.470E+02	5.293E+02	3.211E+02	5.357E+03	1.144E+04	2.852E+03
Y	12	9	12	9	8	9	12	9	12	9	8	6
Y MAXIMUM	3.496E+02	6.785E+02	6.230E+02	6.867E+03	1.311E+04	5.244E+03	3.496E+02	6.785E+02	6.230E+02	6.867E+03	1.478E+04	3.495E+03
Z	12	9	12	9	12	1	12	9	12	9	12	1
Z MAXIMUM	3.424E+02	3.533E+02	6.102E+02	3.576E+03	1.023E+04	4.029E+03	3.424E+02	3.533E+02	6.102E+02	3.576E+03	1.389E+04	4.053E+03
GRAND TOTAL	8.972E+02	1.117E+03	1.413E+03	1.247E+04	3.403E+04	1.217E+04	8.972E+02	1.117E+03	1.413E+03	1.247E+04	3.829E+04	1.029E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 96)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	9	6	9	8	20	6	9	6	9	6	8
X MAXIMUM	2.470E+02	4.639E+02	2.288E+02	5.357E+03	1.144E+04	2.852E+03	2.470E+02	4.639E+02	2.288E+02	5.357E+03	1.259E+04	7.010E+03
Y	12	9	6	9	8	6	12	9	6	9	6	8
Y MAXIMUM	3.496E+02	5.947E+02	3.001E+02	6.867E+03	1.478E+04	3.495E+03	3.496E+02	5.947E+02	3.001E+02	6.867E+03	1.651E+04	9.057E+03
Z	12	9	12	9	12	1	12	9	12	9	12	1
Z MAXIMUM	3.424E+02	3.097E+02	1.577E+02	3.576E+03	1.389E+04	4.053E+03	3.424E+02	3.097E+02	1.577E+02	3.576E+03	1.152E+04	4.164E+03
GRAND TOTAL	8.972E+02	1.108E+03	6.903E+02	1.247E+04	3.829E+04	1.029E+04	8.972E+02	1.108E+03	6.903E+02	1.247E+04	3.595E+04	1.913E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 97)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	9	6	9	6	8	6	9	6	9	6	9
X MAXIMUM	2.470E+02	1.798E+02	2.288E+02	5.357E+03	1.259E+04	7.010E+03	2.470E+02	1.798E+02	2.288E+02	5.357E+03	1.740E+04	9.821E+03
Y	12	9	6	9	6	8	12	9	6	9	6	9
Y MAXIMUM	3.496E+02	2.305E+02	3.001E+02	6.867E+03	1.651E+04	9.057E+03	3.496E+02	2.305E+02	3.001E+02	6.867E+03	2.281E+04	1.259E+04
Z	12	9	12	9	12	1	12	9	12	9	12	9
Z MAXIMUM	3.424E+02	1.200E+02	1.577E+02	3.576E+03	1.152E+04	4.164E+03	3.424E+02	1.200E+02	1.577E+02	3.576E+03	8.210E+03	6.555E+03
GRAND TOTAL	8.972E+02	5.531E+02	6.903E+02	1.247E+04	3.595E+04	1.913E+04	8.972E+02	5.531E+02	6.903E+02	1.247E+04	3.753E+04	2.524E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 98)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	6	6	9	9	9	6	6	8	9	9	8	6
X MAXIMUM	2.470E+02	2.288E+02	1.798E+02	5.357E+03	9.821E+03	1.740E+04	3.365E+02	1.916E+02	1.798E+02	1.121E+04	5.638E+03	1.820E+04
Y	12	6	9	9	9	6	6	12	9	9	8	6
Y MAXIMUM	3.496E+02	3.001E+02	2.305E+02	6.867E+03	1.259E+04	2.281E+04	4.412E+02	3.610E+02	2.305E+02	1.437E+04	7.284E+03	2.387E+04
Z	12	12	9	9	9	12	11	12	9	9	8	11
Z MAXIMUM	3.424E+02	1.577E+02	1.200E+02	3.576E+03	6.555E+03	8.210E+03	1.556E+02	3.536E+02	1.200E+02	7.480E+03	2.990E+03	6.826E+03
GRAND TOTAL	8.972E+02	6.903E+02	5.531E+02	1.247E+04	2.524E+04	3.753E+04	7.221E+02	8.718E+02	5.531E+02	2.632E+04	1.492E+04	3.728E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 98)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	6	9	9	9	6
X MAXIMUM	2.288E+02	2.470E+02	1.798E+02	1.144E+04	3.739E+03	1.723E+04
Y	6	12	9	9	9	6
Y MAXIMUM	3.001E+02	3.496E+02	2.305E+02	1.466E+04	4.793E+03	2.260E+04
Z	12	12	9	9	1	11
Z MAXIMUM	1.577E+02	3.424E+02	1.200E+02	7.636E+03	3.257E+03	5.389E+03
GRAND TOTAL	6.903E+02	8.972E+02	5.531E+02	2.891E+04	1.145E+04	3.422E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 99)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	6	9	6	9	6	9	6	9	6	9	6	17
X MAXIMUM	2.288E+02	1.798E+02	2.470E+02	1.144E+04	1.723E+04	3.739E+03	2.288E+02	1.798E+02	2.470E+02	1.144E+04	1.392E+04	3.999E+03
Y	6	9	12	9	6	9	6	9	12	9	6	17
Y MAXIMUM	3.001E+02	2.305E+02	3.496E+02	1.466E+04	2.260E+04	4.793E+03	3.001E+02	2.305E+02	3.496E+02	1.466E+04	1.826E+04	6.822E+03
Z	12	9	12	9	11	1	12	9	12	9	15	1
Z MAXIMUM	1.577E+02	1.200E+02	3.424E+02	7.636E+03	5.389E+03	3.257E+03	1.577E+02	1.200E+02	3.424E+02	7.636E+03	4.888E+03	3.113E+03
GRAND TOTAL	6.903E+02	5.531E+02	8.972E+02	2.891E+04	3.422E+04	1.145E+04	6.903E+02	5.531E+02	8.972E+02	2.891E+04	2.814E+04	1.367E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 100)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	6	6	9	6	17	9	6	6	9	1	9
X MAXIMUM	2.299E+02	2.927E+01	1.951E+02	1.144E+04	1.392E+04	3.999E+03	2.299E+02	2.927E+01	1.951E+02	1.144E+04	9.884E+03	2.960E+03
Y	9	16	6	9	6	17	9	16	6	9	6	17
Y MAXIMUM	2.947E+02	3.968E+01	2.559E+02	1.466E+04	1.826E+04	6.822E+03	2.947E+02	3.968E+01	2.559E+02	1.466E+04	6.586E+03	3.936E+03
Z	15	15	1	9	15	1	15	15	1	9	1	12
Z MAXIMUM	2.562E+02	3.544E+01	1.682E+02	7.636E+03	4.882E+03	3.113E+03	2.562E+02	3.544E+01	1.682E+02	7.636E+03	1.561E+04	1.984E+03
GRAND TOTAL	8.268E+02	1.260E+02	4.346E+02	2.891E+04	2.814E+04	1.367E+04	8.268E+02	1.260E+02	4.346E+02	2.891E+04	2.256E+04	1.122E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 101)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	17	1	9	1	9	9	17	1	9	1	9
X MAXIMUM	2.500E+02	9.195E+01	1.064E+02	1.144E+04	9.884E+03	2.960E+03	2.500E+02	9.195E+01	1.064E+02	1.144E+04	1.323E+04	5.192E+03
Y	16	17	26	9	6	17	16	17	26	9	6	9
Y MAXIMUM	3.589E+02	1.569E+02	6.653E+01	1.466E+04	6.586E+03	3.936E+03	3.589E+02	1.569E+02	6.653E+01	1.466E+04	6.076E+03	6.656E+03
Z	15	17	1	9	1	12	15	17	1	9	1	9
Z MAXIMUM	3.834E+02	6.929E+01	1.680E+02	7.636E+03	1.561E+04	1.984E+03	3.834E+02	6.929E+01	1.680E+02	7.636E+03	2.089E+04	3.466E+03
GRAND TOTAL	1.076E+03	3.748E+02	2.788E+02	2.891E+04	2.256E+04	1.122E+04	1.076E+03	3.748E+02	2.788E+02	2.891E+04	2.789E+04	1.378E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 102)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	9	17	1	9	1	9	9	5	1	1	9	9
X MAXIMUM	2.500E+02	9.195E+01	1.064E+02	1.144E+04	1.323E+04	5.192E+03	2.270E+02	1.716E+02	1.064E+02	1.164E+04	9.060E+03	4.985E+03
Y	16	17	26	9	6	9	16	17	26	8	9	9
Y MAXIMUM	3.589E+02	1.569E+02	6.653E+01	1.466E+04	6.076E+03	6.656E+03	3.053E+02	2.848E+02	6.653E+01	1.081E+04	1.161E+04	6.390E+03
Z	15	17	1	9	1	9	15	15	1	1	1	9
Z MAXIMUM	3.834E+02	6.929E+01	1.680E+02	7.636E+03	2.089E+04	3.466E+03	3.107E+02	2.315E+02	1.680E+02	1.838E+04	1.267E+04	3.328E+03
GRAND TOTAL	1.076E+03	3.748E+02	2.788E+02	2.891E+04	2.789E+04	1.378E+04	8.451E+02	7.646E+02	2.788E+02	3.064E+04	2.707E+04	1.413E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 102)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	17	9	1	1	9	6
X MAXIMUM	9.195E+01	2.500E+02	1.064E+02	1.418E+04	1.125E+04	4.196E+03
Y	17	16	26	6	9	6
Y MAXIMUM	1.569E+02	3.589E+02	6.653E+01	5.930E+03	1.442E+04	5.502E+03
Z	17	15	1	1	9	9
Z MAXIMUM	6.929E+01	3.834E+02	1.680E+02	2.240E+04	7.508E+03	2.391E+03
GRAND TOTAL	3.748E+02	1.076E+03	2.788E+02	2.972E+04	2.809E+04	1.401E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 103)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	17	9	1	1	9	6	17	9	1	1	9	6
X MAXIMUM	9.195E+01	2.500E+02	1.064E+02	1.418E+04	1.125E+04	4.196E+03	9.195E+01	2.500E+02	1.064E+02	1.418E+04	1.118E+04	4.830E+03
Y	17	16	26	6	9	6	17	16	26	6	9	6
Y MAXIMUM	1.569E+02	3.589E+02	6.653E+01	5.930E+03	1.442E+04	5.502E+03	1.569E+02	3.589E+02	6.653E+01	5.930E+03	1.434E+04	6.333E+03
Z	17	15	1	1	9	9	17	15	1	1	9	17
Z MAXIMUM	6.929E+01	3.834E+02	1.680E+02	2.240E+04	7.508E+03	2.391E+03	6.929E+01	3.834E+02	1.680E+02	2.240E+04	7.465E+03	2.364E+03
GRAND TOTAL	3.748E+02	1.076E+03	2.788E+02	2.972E+04	2.809E+04	1.401E+04	3.748E+02	1.076E+03	2.788E+02	2.972E+04	2.786E+04	1.473E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 104)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	17	18	1	1	9	6	17	18	1	1	9	6
X MAXIMUM	9.195E+01	7.389E+01	9.995E+01	1.418E+04	1.118E+04	4.830E+03	9.195E+01	7.389E+01	9.995E+01	1.418E+04	1.136E+04	3.819E+03
Y	17	19	16	6	9	6	17	19	16	6	9	6
Y MAXIMUM	1.569E+02	7.306E+01	7.734E+01	5.930E+03	1.434E+04	6.333E+03	1.569E+02	7.306E+01	7.734E+01	5.930E+03	1.459E+04	5.008E+03
Z	17	1	1	1	9	17	17	1	1	1	9	1
Z MAXIMUM	6.929E+01	9.698E+01	1.579E+02	2.240E+04	7.465E+03	2.364E+03	6.929E+01	9.698E+01	1.579E+02	2.240E+04	7.597E+03	4.159E+03
GRAND TOTAL	3.748E+02	3.145E+02	3.035E+02	2.972E+04	2.786E+04	1.473E+04	3.748E+02	3.145E+02	3.035E+02	2.972E+04	2.906E+04	1.577E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 105)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	17	1	9	1	9	6	17	1	9	1	6	1
X MAXIMUM	1.004E+02	6.398E+01	1.485E+02	1.418E+04	1.138E+04	3.819E+03	1.004E+02	6.398E+01	1.485E+02	1.418E+04	1.086E+04	8.075E+03
Y	17	6	9	6	9	6	17	6	9	6	6	1
Y MAXIMUM	1.713E+02	5.156E+01	1.904E+02	5.930E+03	1.459E+04	5.00E+03	1.713E+02	5.156E+01	1.904E+02	5.930E+03	1.424E+04	2.312E+03
Z	17	1	1	1	9	1	17	1	1	1	1	1
Z MAXIMUM	7.567E+01	1.011E+02	1.371E+02	2.240E+04	7.597E+03	4.159E+03	7.567E+01	1.011E+02	1.371E+02	2.240E+04	1.591E+04	1.276E+04
GRAND TOTAL	4.431E+02	1.798E+02	4.600E+02	2.972E+04	2.906E+04	1.577E+04	4.431E+02	1.798E+02	4.600E+02	2.972E+04	2.898E+04	1.827E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 106)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	9	1	6	1	18	18	9	1	6	1
X MAXIMUM	1.244E+02	1.156E+02	1.967E+02	1.418E+04	1.086E+04	8.075E+03	1.244E+02	1.156E+02	1.967E+02	1.418E+04	1.308E+04	9.093E+03
Y	17	19	9	6	6	1	17	19	9	6	6	1
Y MAXIMUM	1.854E+02	8.868E+01	2.521E+02	5.930E+03	1.424E+04	2.312E+03	1.854E+02	8.868E+01	2.521E+02	5.930E+03	1.715E+04	2.604E+03
Z	15	1	15	1	1	1	15	1	15	1	1	1
Z MAXIMUM	8.250E+01	1.200E+02	1.324E+02	2.240E+04	1.591E+04	1.276E+04	8.250E+01	1.200E+02	1.324E+02	2.240E+04	1.693E+04	1.436E+04
GRAND TOTAL	5.190E+02	3.912E+02	6.281E+02	2.972E+04	2.898E+04	1.827E+04	5.190E+02	3.912E+02	6.281E+02	2.972E+04	3.349E+04	1.918E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 107)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	18	9	18	1	1	6	18	9	18	1	6	6
X MAXIMUM	1.244E+02	1.967E+02	1.156E+02	1.418E+04	9.093E+03	1.308E+04	2.179E+02	2.118E+02	1.156E+02	1.666E+04	3.657E+03	1.410E+04
Y	17	9	19	6	1	6	6	9	19	1	6	6
Y MAXIMUM	1.854E+02	2.521E+02	8.868E+01	5.930E+03	2.604E+03	1.715E+04	1.631E+02	2.715E+02	8.868E+01	4.770E+03	4.796E+03	1.849E+04
Z	15	15	1	1	1	1	18	15	1	1	1	1
Z MAXIMUM	8.250E+01	1.324E+02	1.200E+02	2.240E+04	1.436E+04	1.693E+04	8.790E+01	1.519E+02	1.200E+02	2.631E+04	4.921E+03	1.737E+04
GRAND TOTAL	5.190E+02	6.281E+02	3.912E+02	2.972E+04	1.918E+04	3.349E+04	4.548E+02	6.761E+02	3.912E+02	3.418E+04	9.848E+03	3.617E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 107)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	18	18	1	1	6
X MAXIMUM	1.967E+02	1.244E+02	1.156E+02	9.777E+03	1.350E+04	1.447E+04
Y	9	17	19	1	6	6
Y MAXIMUM	2.521E+02	1.854E+02	8.868E+01	2.799E+03	6.522E+03	1.898E+04
Z	15	15	1	1	1	1
Z MAXIMUM	1.324E+02	8.250E+01	1.200E+02	1.544E+04	2.132E+04	1.746E+04
GRAND TOTAL	6.281E+02	5.190E+02	3.912E+02	2.054E+04	2.861E+04	3.774E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 108)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	18	18	1	1	6	9	18	18	1	1	6
X MAXIMUM	1.967E+02	1.244E+02	1.156E+02	9.777E+03	1.350E+04	1.447E+04	1.967E+02	1.244E+02	1.156E+02	9.777E+03	1.327E+04	1.444E+04
Y	9	17	19	1	6	6	9	17	19	1	6	6
Y MAXIMUM	2.521E+02	1.854E+02	8.868E+01	2.799E+03	6.522E+03	1.898E+04	2.521E+02	1.854E+02	8.868E+01	2.799E+03	6.720E+03	1.894E+04
Z	15	15	1	1	1	1	15	15	1	1	1	1
Z MAXIMUM	1.324E+02	8.250E+01	1.200E+02	1.544E+04	2.132E+04	1.746E+04	1.324E+02	8.250E+01	1.200E+02	1.544E+04	2.096E+04	1.741E+04
GRAND TOTAL	6.281E+02	5.190E+02	3.912E+02	2.054E+04	2.861E+04	3.774E+04	6.281E+02	5.190E+02	3.912E+02	2.054E+04	2.832E+04	3.802E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 109)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	18	18	1	1	6	9	18	18	1	1	6
X MAXIMUM	1.967E+02	2.219E+02	1.156E+02	9.777E+03	1.327E+04	1.444E+04	1.967E+02	2.219E+02	1.156E+02	9.777E+03	1.236E+04	1.301E+04
Y	9	29	19	1	6	6	9	29	19	1	6	6
Y MAXIMUM	2.521E+02	1.796E+02	8.868E+01	2.799E+03	6.720E+03	1.894E+04	2.521E+02	1.796E+02	8.868E+01	2.799E+03	7.509E+03	1.706E+04
Z	15	2	1	1	1	1	15	2	1	1	1	1
Z MAXIMUM	1.324E+02	1.949E+02	1.200E+02	1.544E+04	2.096E+04	1.741E+04	1.324E+02	1.949E+02	1.200E+02	1.544E+04	1.952E+04	1.741E+04
GRAND TOTAL	6.281E+02	5.819E+02	3.912E+02	2.054E+04	2.832E+04	3.802E+04	6.281E+02	5.819E+02	3.912E+02	2.054E+04	2.766E+04	3.521E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 110)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	9	18	1	1	1	6	9	18	1	1	18	18
X MAXIMUM	1.967E+02	2.372E+02	1.674E+02	9.777E+03	1.236E+04	1.301E+04	1.967E+02	2.372E+02	1.674E+02	9.777E+03	7.709E+03	1.061E+04
Y	9	6	36	1	6	6	9	6	36	1	36	6
Y MAXIMUM	2.521E+02	1.069E+02	1.401E+02	2.799E+03	7.509E+03	1.706E+04	2.521E+02	1.069E+02	1.401E+02	2.799E+03	6.347E+03	1.167E+04
Z	15	2	1	1	1	1	15	2	1	1	2	1
Z MAXIMUM	1.324E+02	1.443E+02	2.645E+02	1.544E+04	1.952E+04	1.741E+04	1.324E+02	1.443E+02	2.645E+02	1.544E+04	6.978E+03	1.362E+04
GRAND TOTAL	6.281E+02	4.971E+02	4.539E+02	2.054E+04	2.766E+04	3.521E+04	6.281E+02	4.971E+02	4.539E+02	2.054E+04	2.192E+04	3.142E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 111)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	2	1	1	18	18	18	2	1	1	2	2
X MAXIMUM	4.631E+02	1.311E+02	1.180E+02	9.777E+03	7.709E+03	1.061E+04	4.631E+02	1.311E+02	1.180E+02	9.777E+03	1.404E+04	1.622E+04
Y	9	6	36	1	36	6	9	6	36	1	4	5
Y MAXIMUM	2.760E+02	1.400E+02	8.510E+01	2.799E+03	6.347E+03	1.167E+04	2.760E+02	1.400E+02	8.510E+01	2.799E+03	2.634E+03	9.337E+03
Z	15	2	1	1	2	1	15	2	1	1	2	2
Z MAXIMUM	1.885E+02	1.349E+02	1.864E+02	1.544E+04	6.978E+03	1.362E+04	1.885E+02	1.349E+02	1.864E+02	1.544E+04	1.445E+04	1.669E+04
GRAND TOTAL	8.768E+02	3.669E+02	2.902E+02	2.054E+04	2.192E+04	3.142E+04	8.768E+02	3.669E+02	2.902E+02	2.054E+04	2.764E+04	3.475E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 112)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	18	1	2	2	18	18	18	1	2	2
X MAXIMUM	7.411E+02	1.538E+02	2.270E+02	9.777E+03	1.404E+04	1.622E+04	7.411E+02	1.538E+02	2.270E+02	9.777E+03	1.672E+04	1.862E+04
Y	9	6	16	1	4	5	9	6	16	1	2	5
Y MAXIMUM	2.996E+02	1.482E+02	8.580E+01	2.799E+03	2.634E+03	9.337E+03	2.996E+02	1.482E+02	8.580E+01	2.799E+03	2.928E+03	1.057E+04
Z	18	2	2	1	2	2	18	2	2	1	2	2
Z MAXIMUM	2.990E+02	1.207E+02	1.342E+02	1.544E+04	1.445E+04	1.669E+04	2.990E+02	1.207E+02	1.342E+02	1.544E+04	1.721E+04	1.917E+04
GRAND TOTAL	1.195E+03	4.553E+02	4.040E+02	2.054E+04	2.764E+04	3.475E+04	1.195E+03	4.553E+02	4.040E+02	2.054E+04	2.866E+04	3.797E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 113)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	18	18	18	1	2	2	18	18	18	2	1	2
X MAXIMUM	7.411E+02	1.538E+02	2.270E+02	9.777E+03	1.672E+04	1.862E+04	4.153E+02	6.328E+02	2.270E+02	1.627E+04	1.194E+04	1.937E+04
Y	9	6	16	1	2	5	9	16	16	2	1	5
Y MAXIMUM	2.996E+02	1.482E+02	8.580E+01	2.799E+03	2.928E+03	1.057E+04	2.827E+02	1.460E+02	8.580E+01	2.849E+03	3.420E+03	1.063E+04
Z	18	2	2	1	2	2	15	18	2	2	1	2
Z MAXIMUM	2.990E+02	1.207E+02	1.342E+02	1.544E+04	1.721E+04	1.917E+04	2.040E+02	2.553E+02	1.342E+02	1.674E+04	1.887E+04	1.994E+04
GRAND TOTAL	1.195E+03	4.553E+02	4.040E+02	2.054E+04	2.866E+04	3.797E+04	9.518E+02	8.543E+02	4.040E+02	2.414E+04	2.627E+04	3.780E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 113)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	18	2	1	2
X MAXIMUM	1.538E+02	7.411E+02	2.270E+02	1.789E+04	9.504E+03	1.968E+04
Y	6	9	16	2	1	5
Y MAXIMUM	1.482E+02	2.996E+02	8.580E+01	3.134E+03	2.721E+03	1.002E+04
Z	2	18	2	2	1	2
Z MAXIMUM	1.207E+02	2.990E+02	1.342E+02	1.841E+04	1.501E+04	2.025E+04
GRAND TOTAL	4.553E+02	1.195E+03	4.040E+02	2.984E+04	1.939E+04	3.553E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 114)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	18	18	2	2	1	18	18	18	2	2	1
X MAXIMUM	1.538E+02	2.270E+02	7.411E+02	1.789E+04	1.968E+04	9.504E+03	1.538E+02	2.270E+02	7.411E+02	1.789E+04	1.967E+04	9.024E+03
Y	6	16	9	2	5	1	6	16	9	2	5	1
Y MAXIMUM	1.482E+02	8.580E+01	2.996E+02	3.134E+03	1.002E+04	2.721E+03	1.482E+02	8.580E+01	2.996E+02	3.134E+03	8.104E+03	2.584E+03
Z	2	2	18	2	2	1	2	2	18	2	2	1
Z MAXIMUM	1.207E+02	1.342E+02	2.990E+02	1.841E+04	2.025E+04	1.501E+04	1.207E+02	1.342E+02	2.990E+02	1.841E+04	2.025E+04	1.425E+04
GRAND TOTAL	4.553E+02	4.040E+02	1.195E+03	2.984E+04	3.553E+04	1.939E+04	4.553E+02	4.040E+02	1.195E+03	2.984E+04	3.507E+04	1.894E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 115)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	2	10	2	2	1	18	2	10	2	18	2
X MAXIMUM	1.538E+02	1.918E+02	2.616E+02	1.789E+04	1.967E+04	9.024E+03	1.538E+02	1.918E+02	2.616E+02	1.789E+04	1.063E+04	7.893E+03
Y	6	26	5	2	5	1	6	26	5	2	26	21
Y MAXIMUM	1.482E+02	7.377E+01	2.387E+02	3.134E+03	8.104E+03	2.584E+03	1.482E+02	7.377E+01	2.387E+02	3.134E+03	5.747E+03	4.676E+03
Z	2	2	2	2	2	1	2	2	2	2	2	1
Z MAXIMUM	1.207E+02	1.974E+02	1.999E+02	1.841E+04	2.025E+04	1.425E+04	1.207E+02	1.974E+02	1.999E+02	1.841E+04	9.347E+03	9.063E+03
GRAND TOTAL	4.553E+02	3.553E+02	5.941E+02	2.984E+04	3.507E+04	1.894E+04	4.553E+02	3.553E+02	5.941E+02	2.984E+04	2.501E+04	1.975E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 116)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	2	2	2	18	2	18	2	2	2	10	2
X MAXIMUM	1.516E+02	2.304E+02	1.387E+02	1.789E+04	1.063E+04	7.893E+03	1.516E+02	2.304E+02	1.387E+02	1.789E+04	1.002E+04	3.303E+04
Y	6	1	5	2	26	21	6	1	5	2	5	2
Y MAXIMUM	1.478E+02	5.101E+01	1.798E+02	3.134E+03	5.747E+03	4.676E+03	1.478E+02	5.101E+01	1.798E+02	3.134E+03	2.453E+04	5.784E+03
Z	2	1	2	2	2	1	2	1	2	2	10	2
Z MAXIMUM	1.111E+02	2.814E+02	1.428E+02	1.841E+04	9.347E+03	9.063E+03	1.111E+02	2.814E+02	1.428E+02	1.841E+04	6.456E+03	3.399E+04
GRAND TOTAL	4.914E+02	4.872E+02	3.240E+02	2.984E+04	2.501E+04	1.975E+04	4.914E+02	4.872E+02	3.240E+02	2.984E+04	3.011E+04	5.495E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 117)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	2	10	2	10	2	18	2	10	2	5	2
X MAXIMUM	1.489E+02	2.362E+02	5.237E+02	1.789E+04	1.002E+04	3.303E+04	1.489E+02	2.362E+02	5.237E+02	1.789E+04	6.611E+03	3.662E+04
Y	29	36	10	2	5	2	29	36	10	2	5	2
Y MAXIMUM	1.694E+02	8.138E+01	1.051E+02	3.134E+03	2.453E+04	5.784E+03	1.694E+02	8.138E+01	1.051E+02	3.134E+03	2.521E+04	6.413E+03
Z	1	1	10	2	10	2	1	1	10	2	2	2
Z MAXIMUM	1.123E+02	3.029E+02	3.376E+02	1.841E+04	6.456E+03	3.399E+04	1.123E+02	3.029E+02	3.376E+02	1.841E+04	6.274E+03	3.769E+04
GRAND TOTAL	5.383E+02	5.514E+02	6.776E+02	2.984E+04	3.011E+04	5.495E+04	5.383E+02	5.514E+02	6.776E+02	2.984E+04	2.822E+04	6.230E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 118)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	18	2	10	2	5	2	18	2	10	2	10	1
X MAXIMUM	1.489E+02	1.051E+03	5.237E+02	1.789E+04	6.611E+03	3.662E+04	1.489E+02	1.051E+03	5.237E+02	1.789E+04	8.945E+03	1.716E+04
Y	29	2	10	2	5	2	29	2	10	2	5	5
Y MAXIMUM	1.694E+02	1.840E+02	1.051E+02	3.134E+03	2.521E+04	6.413E+03	1.694E+02	1.840E+02	1.051E+02	3.134E+03	2.615E+04	6.938E+03
Z	1	2	10	2	2	2	1	2	10	2	2	1
Z MAXIMUM	1.123E+02	1.081E+03	3.376E+02	1.841E+04	6.274E+03	3.769E+04	1.123E+02	1.081E+03	3.376E+02	1.841E+04	6.342E+03	2.710E+04
GRAND TOTAL	5.383E+02	1.651E+03	6.776E+02	2.984E+04	2.822E+04	6.230E+04	5.383E+02	1.651E+03	6.776E+02	2.984E+04	3.152E+04	4.008E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 119)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	18	10	2	2	2	10	10	10	2	1	2	10
X MAXIMUM	1.489E+02	6.848E+02	9.694E+02	1.789E+04	1.581E+04	1.042E+04	5.091E+02	4.594E+02	9.694E+02	1.605E+04	1.766E+04	1.468E+04
Y	29	10	2	2	1	5	29	29	2	1	5	5
Y MAXIMUM	1.694E+02	1.375E+02	1.698E+02	3.134E+03	4.455E+03	2.682E+04	1.202E+02	1.618E+02	1.698E+02	4.596E+03	3.275E+03	2.694E+04
Z	1	10	2	2	1	1	2	10	2	1	2	1
Z MAXIMUM	1.123E+02	4.414E+02	9.977E+02	1.841E+04	2.457E+04	1.149E+04	3.664E+02	2.961E+02	9.977E+02	2.535E+04	1.818E+04	1.232E+04
GRAND TOTAL	5.383E+02	1.048E+03	1.445E+03	2.984E+04	3.762E+04	3.441E+04	8.941E+02	7.678E+02	1.445E+03	3.169E+04	2.843E+04	3.745E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 119)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	18	2	1	2	10
X MAXIMUM	6.848E+02	1.489E+02	9.694E+02	1.562E+04	9.167E+03	1.626E+04
Y	10	29	2	1	4	5
Y MAXIMUM	1.375E+02	1.694E+02	1.698E+02	4.472E+03	2.569E+03	2.643E+04
Z	10	1	2	1	1	1
Z MAXIMUM	4.414E+02	1.123E+02	9.977E+02	2.467E+04	1.115E+04	1.326E+04
GRAND TOTAL	1.048E+03	5.383E+02	1.445E+03	3.203E+04	1.966E+04	3.869E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 120)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	18	2	1	2	10	10	18	2	1	1	10
X MAXIMUM	6.855E+02	1.489E+02	9.684E+02	1.560E+04	9.167E+03	1.627E+04	6.855E+02	1.489E+02	9.684E+02	1.560E+04	7.032E+03	1.614E+04
Y	10	29	2	1	4	5	10	29	2	1	4	5
Y MAXIMUM	1.376E+02	1.694E+02	1.696E+02	4.466E+03	2.569E+03	2.642E+04	1.376E+02	1.694E+02	1.696E+02	4.466E+03	2.602E+03	2.601E+04
Z	10	1	2	1	1	1	10	1	2	1	1	1
Z MAXIMUM	4.418E+02	1.123E+02	9.967E+02	2.463E+04	1.115E+04	1.332E+04	4.418E+02	1.123E+02	9.967E+02	2.463E+04	1.111E+04	1.375E+04
GRAND TOTAL	1.051E+03	5.383E+02	1.443E+03	3.200E+04	1.966E+04	3.872E+04	1.051E+03	5.383E+02	1.443E+03	3.200E+04	1.657E+04	3.865E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 121)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	1	1	10	10	10	2	1	2	10
X MAXIMUM	6.851E+02	7.795E+02	9.690E+02	1.561E+04	7.032E+03	1.613E+04	6.851E+02	7.795E+02	9.690E+02	1.561E+04	2.305E+04	6.799E+03
Y	10	5	2	1	4	5	10	5	2	1	2	5
Y MAXIMUM	1.375E+02	4.839E+02	1.697E+02	4.470E+03	2.602E+03	2.602E+04	1.375E+02	4.839E+02	1.697E+02	4.470E+03	4.037E+03	1.178E+04
Z	10	10	2	1	1	1	10	10	2	1	2	1
Z MAXIMUM	4.415E+02	5.024E+02	9.974E+02	2.466E+04	1.111E+04	1.371E+04	4.415E+02	5.024E+02	9.974E+02	2.466E+04	2.373E+04	9.830E+03
GRAND TOTAL	1.049E+03	1.102E+03	1.444E+03	3.202E+04	1.657E+04	3.863E+04	1.049E+03	1.102E+03	1.444E+03	3.202E+04	3.816E+04	2.028E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 122)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	1	2	10	10	10	2	1	2	10
X MAXIMUM	9.255E+02	7.399E+02	9.444E+02	1.561E+04	2.305E+04	6.799E+03	9.255E+02	7.399E+02	9.444E+02	1.561E+04	6.248E+04	3.769E+04
Y	10	5	2	1	2	5	10	5	2	1	2	10
Y MAXIMUM	1.858E+02	4.459E+02	1.654E+02	4.470E+03	4.037E+03	1.178E+04	1.858E+02	4.459E+02	1.654E+02	4.470E+03	1.094E+04	7.565E+03
Z	10	10	2	1	2	1	10	10	2	1	2	10
Z MAXIMUM	5.965E+02	4.769E+02	9.720E+02	2.466E+04	2.373E+04	9.830E+03	5.965E+02	4.769E+02	9.720E+02	2.466E+04	6.430E+04	2.429E+04
GRAND TOTAL	1.242E+03	1.041E+03	1.371E+03	3.202E+04	3.816E+04	2.028E+04	1.242E+03	1.041E+03	1.371E+03	3.202E+04	9.291E+04	4.734E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 123)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	10	10	2	1	2	10	10	2	2	2	2	10
X MAXIMUM	9.254E+02	7.399E+02	9.446E+02	1.561E+04	6.248E+04	3.769E+04	1.178E+03	2.102E+02	9.446E+02	5.168E+04	4.518E+04	3.996E+04
Y	10	5	2	1	2	10	5	5	2	2	2	5
Y MAXIMUM	1.858E+02	4.459E+02	1.654E+02	4.470E+03	1.094E+04	7.566E+03	3.312E+02	2.994E+02	1.654E+02	9.051E+03	7.912E+03	9.611E+03
Z	10	10	2	1	2	10	10	2	2	2	2	10
Z MAXIMUM	5.965E+02	4.769E+02	9.723E+02	2.466E+04	6.430E+04	2.429E+04	7.590E+02	2.163E+02	9.723E+02	5.319E+04	4.650E+04	2.576E+04
GRAND TOTAL	1.242E+03	1.041E+03	1.371E+03	3.202E+04	9.291E+04	4.734E+04	1.551E+03	4.709E+02	1.371E+03	8.123E+04	6.833E+04	5.052E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 123)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	2	1	10
X MAXIMUM	7.398E+02	9.255E+02	9.446E+02	7.098E+04	1.561E+04	3.602E+04
Y	5	10	2	2	1	5
Y MAXIMUM	4.459E+02	1.858E+02	1.654E+02	1.243E+04	4.471E+03	1.064E+04
Z	10	10	2	2	1	10
Z MAXIMUM	4.768E+02	5.965E+02	9.723E+02	7.306E+04	2.466E+04	2.322E+04
GRAND TOTAL	1.041E+03	1.242E+03	1.371E+03	1.051E+05	3.051E+04	4.629E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 124)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	2	10	1	10	2	10	2	10	1
X MAXIMUM	7.399E+02	9.975E+02	8.219E+02	7.098E+04	3.522E+04	1.531E+04	7.399E+02	9.975E+02	8.219E+02	7.098E+04	3.280E+04	1.538E+04
Y	5	2	10	2	5	5	5	2	10	2	5	5
Y MAXIMUM	4.459E+02	1.747E+02	1.650E+02	1.243E+04	8.738E+03	6.718E+03	4.459E+02	1.747E+02	1.650E+02	1.243E+04	8.732E+03	6.560E+03
Z	10	2	10	2	10	1	10	2	10	2	10	1
Z MAXIMUM	4.769E+02	1.027E+03	5.297E+02	7.305E+04	2.270E+04	2.418E+04	4.769E+02	1.027E+03	5.297E+02	7.305E+04	2.114E+04	2.429E+04
GRAND TOTAL	1.041E+03	1.540E+03	1.025E+03	1.051E+05	4.500E+04	3.239E+04	1.041E+03	1.540E+03	1.025E+03	1.051E+05	4.207E+04	3.272E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 125)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	2	10	1	10	2	10	2	10	2
X MAXIMUM	6.847E+02	8.958E+02	1.108E+03	7.098E+04	3.280E+04	1.538E+04	6.847E+02	8.958E+02	1.108E+03	7.098E+04	2.807E+03	2.979E+04
Y	5	2	10	2	5	5	5	2	10	2	5	5
Y MAXIMUM	3.348E+02	1.569E+02	2.225E+02	1.243E+04	8.732E+03	6.560E+03	3.348E+02	1.569E+02	2.225E+02	1.243E+04	9.312E+03	5.347E+03
Z	10	2	10	2	10	1	10	2	10	2	1	2
Z MAXIMUM	4.413E+02	9.220E+02	7.144E+02	7.305E+04	2.114E+04	2.429E+04	4.413E+02	9.220E+02	7.144E+02	7.305E+04	3.053E+03	3.067E+04
GRAND TOTAL	9.358E+02	1.363E+03	1.378E+03	1.051E+05	4.207E+04	3.272E+04	9.358E+02	1.363E+03	1.378E+03	1.051E+05	1.123E+04	5.317E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 126)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	10	2	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	6.847E+02	8.689E+02	1.143E+03	7.098E+04	1.097E+04	2.771E+04	6.544E+02	5.813E+02	1.143E+03	5.859E+04	4.089E+04	3.309E+04
Y	5	2	10	2	5	2	5	5	10	2	5	2
Y MAXIMUM	3.348E+02	1.522E+02	2.294E+02	1.243E+04	1.065E+04	4.853E+03	2.718E+02	2.016E+02	2.294E+02	1.026E+04	9.410E+03	5.795E+03
Z	10	2	10	2	2	2	2	2	10	2	2	2
Z MAXIMUM	4.413E+02	8.943E+02	7.365E+02	7.305E+04	1.129E+04	2.852E+04	6.735E+02	5.912E+02	7.365E+02	6.030E+04	4.208E+04	3.405E+04
GRAND TOTAL	9.358E+02	1.274E+03	1.460E+03	1.051E+05	2.138E+04	4.996E+04	1.110E+03	1.126E+03	1.460E+03	8.622E+04	6.232E+04	5.618E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 126)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2
X MAXIMUM	8.689E+02	6.847E+02	1.143E+03	1.316E+04	6.879E+04	3.502E+04
Y	2	5	10	5	2	2
Y MAXIMUM	1.522E+02	3.348E+02	2.294E+02	1.067E+04	1.205E+04	6.133E+03
Z	2	10	10	2	2	2
Z MAXIMUM	8.943E+02	4.413E+02	7.365E+02	1.354E+04	7.080E+04	3.604E+04
GRAND TOTAL	1.274E+03	9.358E+02	1.460E+03	2.604E+04	1.007E+05	5.855E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 127)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	8.686E+02	6.847E+02	1.143E+03	1.320E+04	6.879E+04	3.500E+04	8.686E+02	6.847E+02	1.143E+03	1.320E+04	6.805E+04	3.483E+04
Y	2	5	10	5	2	2	2	5	10	5	2	2
Y MAXIMUM	1.521E+02	3.348E+02	2.294E+02	1.068E+04	1.205E+04	6.130E+03	1.521E+02	3.348E+02	2.294E+02	1.068E+04	1.192E+04	6.100E+03
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	8.940E+02	4.413E+02	7.364E+02	1.359E+04	7.080E+04	3.602E+04	8.940E+02	4.413E+02	7.364E+02	1.359E+04	7.005E+04	3.585E+04
GRAND TOTAL	1.274E+03	9.358E+02	1.460E+03	2.610E+04	1.007E+05	5.852E+04	1.274E+03	9.358E+02	1.460E+03	2.610E+04	9.959E+04	5.850E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 128)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	8.686E+02	6.922E+02	1.143E+03	1.320E+04	6.805E+04	3.483E+04	8.686E+02	6.922E+02	1.143E+03	1.320E+04	6.585E+04	3.470E+04
Y	2	5	10	5	2	2	2	5	10	5	2	5
Y MAXIMUM	1.521E+02	3.761E+02	2.294E+02	1.068E+04	1.192E+04	6.100E+03	1.521E+02	3.761E+02	2.294E+02	1.068E+04	1.153E+04	8.321E+03
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	8.940E+02	4.462E+02	7.364E+02	1.359E+04	7.005E+04	3.585E+04	8.940E+02	4.462E+02	7.364E+02	1.359E+04	6.778E+04	3.572E+04
GRAND TOTAL	1.274E+03	9.517E+02	1.460E+03	2.610E+04	9.959E+04	5.850E+04	1.274E+03	9.517E+02	1.460E+03	2.610E+04	9.736E+04	5.992E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 129)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	8.688E+02	6.922E+02	1.143E+03	1.316E+04	6.585E+04	3.471E+04	8.688E+02	6.922E+02	1.143E+03	1.316E+04	6.449E+04	3.463E+04
Y	2	5	10	5	2	5	2	5	10	5	2	5
Y MAXIMUM	1.522E+02	3.761E+02	2.294E+02	1.067E+04	1.153E+04	8.332E+03	1.522E+02	3.761E+02	2.294E+02	1.067E+04	1.129E+04	1.044E+04
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	8.942E+02	4.462E+02	7.365E+02	1.355E+04	6.778E+04	3.573E+04	8.942E+02	4.462E+02	7.365E+02	1.355E+04	6.638E+04	3.565E+04
GRAND TOTAL	1.274E+03	9.517E+02	1.460E+03	2.605E+04	9.736E+04	5.994E+04	1.274E+03	9.517E+02	1.460E+03	2.605E+04	9.686E+04	6.142E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 130)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	2	2	2	10	10	2	2	2
X MAXIMUM	7.890E+02	6.239E+02	1.200E+03	1.320E+04	6.449E+04	3.462E+04	7.890E+02	6.239E+02	1.200E+03	1.320E+04	6.338E+04	3.432E+04
Y	2	5	10	5	2	5	2	5	10	5	2	5
Y MAXIMUM	1.382E+02	2.790E+02	2.408E+02	1.068E+04	1.129E+04	1.043E+04	1.382E+02	2.790E+02	2.408E+02	1.068E+04	1.110E+04	1.249E+04
Z	2	10	10	2	2	2	2	10	10	2	2	2
Z MAXIMUM	8.121E+02	4.021E+02	7.733E+02	1.358E+04	6.638E+04	3.563E+04	8.121E+02	4.021E+02	7.733E+02	1.358E+04	6.523E+04	3.532E+04
GRAND TOTAL	1.223E+03	8.381E+02	1.506E+03	2.609E+04	9.685E+04	6.140E+04	1.223E+03	8.381E+02	1.506E+03	2.609E+04	9.831E+04	6.326E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 131)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	0	10	10	10	10	10	0	10	2
X MAXIMUM	1.205E+02	2.983E+02	1.853E+02	0.	7.582E+02	1.221E+03	1.205E+02	2.983E+02	1.853E+02	0.	3.710E-04	7.993E-05
Y	5	10	29	0	29	10	5	10	29	0	2	10
Y MAXIMUM	1.588E+02	5.989E+01	5.794E+01	0.	2.371E+02	2.451E+02	1.588E+02	5.989E+01	5.794E+01	0.	5.007E-05	2.718E-05
Z	10	2	10	0	10	2	10	2	10	0	1	2
Z MAXIMUM	7.766E+01	1.927E+02	1.194E+02	0.	4.887E+02	7.884E+02	7.766E+01	1.927E+02	1.194E+02	0.	2.285E-04	1.033E-04
GRAND TOTAL	2.482E+02	4.588E+02	3.185E+02	0.	1.303E+03	1.877E+03	2.482E+02	4.588E+02	3.185E+02	0.	5.577E-04	1.769E-04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 132)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	2	2	2	10	10	10	2	2	2
X MAXIMUM	1.035E+03	3.829E+02	1.314E+03	1.450E+04	6.338E+04	3.544E+04	1.035E+03	3.829E+02	1.314E+03	1.450E+04	6.564E+04	3.377E+04
Y	10	10	10	5	2	5	10	10	10	5	2	5
Y MAXIMUM	2.077E+02	7.686E+01	2.637E+02	1.094E+04	1.110E+04	1.224E+04	2.077E+02	7.686E+01	2.637E+02	1.094E+04	1.150E+04	1.174E+04
Z	10	10	10	2	2	2	10	10	10	2	2	2
Z MAXIMUM	6.669E+02	2.468E+02	8.469E+02	1.492E+04	6.523E+04	3.647E+04	6.669E+02	2.468E+02	8.469E+02	1.492E+04	6.756E+04	3.476E+04
GRAND TOTAL	1.482E+03	5.629E+02	1.703E+03	2.745E+04	9.831E+04	6.313E+04	1.482E+03	5.629E+02	1.703E+03	2.745E+04	1.099E+05	6.260E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 133)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	2	2	2	10	10	10	2	2	2
X MAXIMUM	1.036E+03	3.829E+02	1.313E+03	1.453E+04	6.564E+04	3.376E+04	1.036E+03	3.829E+02	1.313E+03	1.453E+04	6.669E+04	3.299E+04
Y	10	10	10	5	2	5	10	10	10	5	2	5
Y MAXIMUM	2.079E+02	7.686E+01	2.636E+02	1.095E+04	1.150E+04	1.173E+04	2.079E+02	7.686E+01	2.636E+02	1.095E+04	1.168E+04	1.149E+04
Z	10	10	10	2	2	2	10	10	10	2	2	2
Z MAXIMUM	6.676E+02	2.468E+02	8.463E+02	1.495E+04	6.756E+04	3.475E+04	6.676E+02	2.468E+02	8.463E+02	1.495E+04	6.864E+04	3.396E+04
GRAND TOTAL	1.484E+03	5.629E+02	1.702E+03	2.748E+04	1.099E+05	6.259E+04	1.484E+03	5.629E+02	1.702E+03	2.748E+04	1.162E+05	6.263E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 134)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	2	2	2	10	10	10	2	2	2
X MAXIMUM	1.035E+03	3.829E+02	1.314E+03	1.450E+04	6.669E+04	3.301E+04	1.035E+03	3.829E+02	1.314E+03	1.450E+04	6.722E+04	3.262E+04
Y	10	10	10	5	2	5	10	10	10	5	2	5
Y MAXIMUM	2.077E+02	7.686E+01	2.638E+02	1.094E+04	1.168E+04	1.150E+04	2.077E+02	7.686E+01	2.638E+02	1.094E+04	1.177E+04	1.139E+04
Z	10	10	10	2	2	2	10	10	10	2	2	2
Z MAXIMUM	6.669E+02	2.468E+02	8.469E+02	1.492E+04	6.864E+04	3.397E+04	6.669E+02	2.468E+02	8.469E+02	1.492E+04	6.919E+04	3.357E+04
GRAND TOTAL	1.482E+03	5.629E+02	1.703E+03	2.745E+04	1.162E+05	6.265E+04	1.482E+03	5.629E+02	1.703E+03	2.745E+04	1.197E+05	6.274E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 135)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	2	2	2	2	10	2	2	2	2	2
X MAXIMUM	9.536E+02	4.377E+02	6.891E+02	1.450E+04	6.722E+04	3.262E+04	9.536E+02	4.377E+02	6.891E+02	1.450E+04	4.770E+04	2.022E+04
Y	10	2	4	5	2	5	10	2	4	5	2	5
Y MAXIMUM	1.914E+02	7.666E+01	1.567E+02	1.094E+04	1.177E+04	1.139E+04	1.914E+02	7.666E+01	1.567E+02	1.094E+04	1.054E+04	9.431E+03
Z	10	2	2	2	2	2	10	2	2	2	2	2
Z MAXIMUM	6.146E+02	4.505E+02	7.093E+02	1.493E+04	6.919E+04	3.357E+04	6.146E+02	4.505E+02	7.093E+02	1.493E+04	4.910E+04	2.081E+04
GRAND TOTAL	1.328E+03	7.767E+02	1.308E+03	2.745E+04	1.197E+05	6.274E+04	1.328E+03	7.767E+02	1.308E+03	2.745E+04	8.729E+04	4.182E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 136)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	2	2	2	10	2	10	2	4	2
X MAXIMUM	6.013E+02	4.682E+02	6.297E+02	1.451E+04	4.770E+04	2.022E+04	6.013E+02	4.682E+02	6.297E+02	1.451E+04	2.063E+04	6.296E+03
Y	4	5	4	5	4	5	4	5	4	5	4	24
Y MAXIMUM	1.645E+02	1.750E+02	1.636E+02	1.095E+04	1.054E+04	9.427E+03	1.645E+02	1.750E+02	1.636E+02	1.095E+04	1.980E+04	3.219E+03
Z	2	2	2	2	2	2	2	2	2	2	4	2
Z MAXIMUM	5.133E+02	4.819E+02	5.278E+02	1.493E+04	4.910E+04	2.081E+04	5.133E+02	4.819E+02	5.278E+02	1.493E+04	2.917E+04	6.480E+03
GRAND TOTAL	1.108E+03	9.053E+02	1.117E+03	2.746E+04	8.729E+04	4.182E+04	1.108E+03	9.053E+02	1.117E+03	2.746E+04	5.429E+04	1.485E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 137)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	2	10	2	4	2	2	2	10	2	4	2
X MAXIMUM	6.364E+02	4.786E+02	5.866E+02	1.451E+04	2.063E+04	6.296E+03	6.364E+02	4.786E+02	5.866E+02	1.451E+04	2.461E+04	1.985E+04
Y	4	5	4	5	4	24	4	5	4	5	4	5
Y MAXIMUM	1.836E+02	2.109E+02	1.351E+02	1.095E+04	1.980E+04	3.219E+03	1.836E+02	2.109E+02	1.351E+02	1.095E+04	2.363E+04	6.454E+03
Z	2	2	10	2	4	2	2	2	10	2	4	2
Z MAXIMUM	6.550E+02	4.926E+02	3.781E+02	1.493E+04	2.917E+04	6.480E+03	6.550E+02	4.926E+02	3.781E+02	1.493E+04	3.480E+04	2.043E+04
GRAND TOTAL	1.071E+03	9.585E+02	8.920E+02	2.746E+04	5.429E+04	1.485E+04	1.071E+03	9.585E+02	8.920E+02	2.746E+04	5.921E+04	3.887E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 138)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	10	2	4	2	2	10	10	2	4	2
X MAXIMUM	6.365E+02	6.639E+01	5.865E+02	1.450E+04	2.461E+04	1.986E+04	6.365E+02	6.639E+01	5.865E+02	1.450E+04	2.499E+04	1.970E+04
Y	4	37	4	5	4	5	4	37	4	5	4	5
Y MAXIMUM	1.836E+02	8.194E+01	1.351E+02	1.094E+04	2.363E+04	6.457E+03	1.836E+02	8.194E+01	1.351E+02	1.094E+04	2.399E+04	6.648E+03
Z	2	22	10	2	4	2	2	22	10	2	4	2
Z MAXIMUM	6.551E+02	7.928E+01	3.780E+02	1.493E+04	3.480E+04	2.044E+04	6.551E+02	7.928E+01	3.780E+02	1.493E+04	3.534E+04	2.027E+04
GRAND TOTAL	1.072E+03	2.197E+02	8.918E+02	2.745E+04	5.921E+04	3.888E+04	1.072E+03	2.197E+02	8.918E+02	2.745E+04	6.022E+04	3.867E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 139)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	2	10	10	2	4	2	2	2	10	4	10	2
X MAXIMUM	6.363E+02	6.639E+01	5.866E+02	1.451E+04	2.499E+04	1.969E+04	4.084E+02	4.915E+02	5.866E+02	1.857E+04	2.282E+04	1.696E+04
Y	4	37	4	5	4	5	4	4	4	4	4	5
Y MAXIMUM	1.837E+02	8.194E+01	1.350E+02	1.095E+04	2.399E+04	6.643E+03	1.434E+02	1.163E+02	1.350E+02	1.782E+04	1.772E+04	7.245E+03
Z	2	22	10	2	4	2	2	2	10	4	4	2
Z MAXIMUM	6.549E+02	7.928E+01	3.781E+02	1.494E+04	3.534E+04	2.027E+04	4.204E+02	5.059E+02	3.781E+02	2.626E+04	2.611E+04	1.745E+04
GRAND TOTAL	1.071E+03	2.197E+02	8.921E+02	2.746E+04	6.022E+04	3.866E+04	7.127E+02	8.295E+02	8.921E+02	4.592E+04	5.210E+04	3.477E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 139)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	4	10	10
X MAXIMUM	6.622E+01	6.364E+02	5.866E+02	2.668E+04	1.449E+04	1.433E+04
Y	37	4	4	4	5	5
Y MAXIMUM	8.194E+01	1.836E+02	1.350E+02	2.561E+04	1.136E+04	7.499E+03
Z	22	2	10	4	2	2
Z MAXIMUM	7.922E+01	6.550E+02	3.781E+02	3.773E+04	1.113E+04	1.168E+04
GRAND TOTAL	2.194E+02	1.071E+03	8.921E+02	6.556E+04	2.835E+04	2.720E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 140)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	4	2	10	10	2	10	4	10	10
X MAXIMUM	6.639E+01	4.694E+02	6.370E+02	2.668E+04	1.434E+04	1.879E+04	6.639E+01	4.694E+02	6.370E+02	2.668E+04	1.346E+04	1.875E+04
Y	37	4	10	4	5	10	37	4	10	4	5	10
Y MAXIMUM	8.194E+01	2.214E+02	1.279E+02	2.561E+04	1.337E+04	3.771E+03	8.194E+01	2.214E+02	1.279E+02	2.561E+04	1.365E+04	3.763E+03
Z	22	2	2	4	2	10	22	2	2	4	1	10
Z MAXIMUM	7.928E+01	4.832E+02	5.444E+02	3.773E+04	1.476E+04	1.211E+04	7.928E+01	4.832E+02	5.444E+02	3.773E+04	1.017E+04	1.208E+04
GRAND TOTAL	2.197E+02	8.585E+02	1.098E+03	6.557E+04	2.989E+04	2.548E+04	2.197E+02	8.585E+02	1.098E+03	6.557E+04	2.935E+04	2.378E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 141)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	2	4	10	10	10	2	2	4	10	10
X MAXIMUM	7.190E+01	7.033E+02	3.653E+02	2.668E+04	1.346E+04	1.875E+04	7.190E+01	7.033E+02	3.653E+02	2.668E+04	1.458E+04	1.964E+04
Y	37	4	10	4	5	10	37	4	10	4	5	10
Y MAXIMUM	7.107E+01	2.217E+02	6.987E+01	2.561E+04	1.365E+04	3.763E+03	7.107E+01	2.217E+02	6.987E+01	2.561E+04	1.375E+04	3.943E+03
Z	22	2	2	4	1	10	22	2	2	4	1	10
Z MAXIMUM	6.929E+01	7.239E+02	3.760E+02	3.773E+04	1.017E+04	1.208E+04	6.929E+01	7.239E+02	3.760E+02	3.773E+04	1.039E+04	1.266E+04
GRAND TOTAL	2.143E+02	1.190E+03	6.907E+02	6.557E+04	2.935E+04	2.378E+04	2.143E+02	1.190E+03	6.907E+02	6.557E+04	2.953E+04	2.473E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 142)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	10	10	2	4	10	10	10	10	2	10	4	10
X MAXIMUM	7.190E+01	4.405E+02	7.912E+02	2.668E+04	9.425E+03	2.258E+04	3.623E+02	2.606E+02	7.912E+02	2.443E+04	1.718E+04	2.606E+04
Y	37	4	4	4	5	5	4	4	4	4	4	5
Y MAXIMUM	7.107E+01	1.112E+02	1.918E+02	2.561E+04	9.125E+03	1.057E+04	9.115E+01	6.616E+01	1.918E+02	1.877E+04	1.649E+04	1.063E+04
Z	22	10	2	4	1	10	10	10	2	4	4	10
Z MAXIMUM	6.929E+01	2.839E+02	8.144E+02	3.773E+04	8.575E+03	1.455E+04	2.335E+02	1.680E+02	8.144E+02	2.765E+04	2.430E+04	1.680E+04
GRAND TOTAL	2.143E+02	6.088E+02	1.234E+03	6.557E+04	1.964E+04	3.314E+04	5.041E+02	4.029E+02	1.234E+03	5.477E+04	3.832E+04	3.740E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 142)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	10	4	10
X MAXIMUM	4.405E+02	7.190E+01	7.912E+02	1.014E+04	2.428E+04	2.700E+04
Y	4	37	4	5	4	5
Y MAXIMUM	1.112E+02	7.107E+01	1.918E+02	9.240E+03	2.331E+04	1.029E+04
Z	10	22	2	1	4	10
Z MAXIMUM	2.839E+02	6.929E+01	8.144E+02	9.842E+03	3.434E+04	1.740E+04
GRAND TOTAL	6.088E+02	2.143E+02	1.234E+03	2.173E+04	6.051E+04	3.868E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 143)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	2	10	4	10	10	10	2	10	2	10
X MAXIMUM	4.405E+02	7.190E+01	7.912E+02	1.014E+04	2.428E+04	2.700E+04	4.405E+02	7.190E+01	7.912E+02	1.014E+04	3.456E+04	2.423E+04
Y	4	37	4	5	4	5	4	37	4	5	4	5
Y MAXIMUM	1.112E+02	7.107E+01	1.918E+02	9.240E+03	2.331E+04	1.029E+04	1.112E+02	7.107E+01	1.918E+02	9.240E+03	1.592E+04	8.270E+03
Z	10	22	2	1	4	10	10	22	2	1	2	10
Z MAXIMUM	2.839E+02	6.929E+01	8.144E+02	9.842E+03	3.434E+04	1.740E+04	2.839E+02	6.929E+01	8.144E+02	9.842E+03	3.557E+04	1.562E+04
GRAND TOTAL	6.087E+02	2.143E+02	1.234E+03	2.173E+04	6.051E+04	3.868E+04	6.087E+02	2.143E+02	1.234E+03	2.173E+04	6.764E+04	3.677E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 144)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	10	2	10	2	10	2	2
X MAXIMUM	3.036E+02	1.732E+02	8.798E+02	1.014E+04	3.456E+04	2.423E+04	3.036E+02	1.732E+02	8.798E+02	1.014E+04	8.448E+04	1.457E+04
Y	4	5	4	5	4	5	4	5	4	5	2	5
Y MAXIMUM	6.100E+01	5.409E+01	2.170E+02	9.242E+03	1.592E+04	8.268E+03	6.100E+01	5.409E+01	2.170E+02	9.242E+03	1.480E+04	5.200E+03
Z	2	10	2	1	2	10	2	10	2	1	2	2
Z MAXIMUM	3.125E+02	1.116E+02	9.055E+02	9.843E+03	3.557E+04	1.562E+04	3.125E+02	1.116E+02	9.055E+02	9.843E+03	8.695E+04	1.499E+04
GRAND TOTAL	6.119E+02	2.463E+02	1.428E+03	2.173E+04	6.764E+04	3.677E+04	6.119E+02	2.463E+02	1.428E+03	2.173E+04	1.230E+05	2.999E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 145)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	2	2	10	2	10	2	2
X MAXIMUM	5.447E+02	3.005E+02	9.506E+02	1.039E+04	8.448E+04	1.447E+04	5.447E+02	3.005E+02	9.506E+02	1.039E+04	8.457E+04	1.448E+04
Y	2	37	4	5	2	5	2	37	4	5	2	5
Y MAXIMUM	9.540E+01	7.362E+01	2.251E+02	9.149E+03	1.480E+04	5.362E+03	9.540E+01	7.362E+01	2.251E+02	9.149E+03	1.481E+04	5.356E+03
Z	2	10	2	1	2	2	2	10	2	1	2	2
Z MAXIMUM	5.606E+02	1.937E+02	9.784E+02	9.764E+03	8.695E+04	1.490E+04	5.606E+02	1.937E+02	9.784E+02	9.764E+03	8.704E+04	1.490E+04
GRAND TOTAL	8.468E+02	4.347E+02	1.591E+03	2.197E+04	1.230E+05	2.981E+04	8.468E+02	4.347E+02	1.591E+03	2.197E+04	1.232E+05	2.978E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 146)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	2	10	2	10	2	2	2	2	2	2	2	2
X MAXIMUM	5.616E+02	3.005E+02	9.407E+02	1.013E+04	8.457E+04	1.457E+04	4.357E+02	3.585E+02	9.407E+02	6.565E+04	6.138E+04	1.358E+04
Y	2	37	4	5	2	5	24	2	4	2	2	5
Y MAXIMUM	9.836E+01	7.362E+01	2.249E+02	9.243E+03	1.481E+04	5.191E+03	8.896E+01	6.280E+01	2.249E+02	1.150E+04	1.075E+04	4.798E+03
Z	2	10	2	1	2	2	2	2	2	2	2	2
Z MAXIMUM	5.780E+02	1.937E+02	9.683E+02	9.844E+03	8.704E+04	1.500E+04	4.484E+02	3.690E+02	9.683E+02	6.758E+04	6.317E+04	1.398E+04
GRAND TOTAL	8.714E+02	4.347E+02	1.577E+03	2.172E+04	1.232E+05	2.997E+04	6.932E+02	6.838E+02	1.577E+03	9.594E+04	9.067E+04	2.703E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 146)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	2	2	10	10
X MAXIMUM	3.006E+02	5.616E+02	9.407E+02	9.200E+04	6.068E+03	1.093E+04
Y	37	2	4	2	5	5
Y MAXIMUM	7.363E+01	9.836E+01	2.249E+02	1.611E+04	9.415E+03	4.625E+03
Z	10	2	2	2	1	2
Z MAXIMUM	1.937E+02	5.781E+02	9.683E+02	9.469E+04	9.044E+03	1.088E+04
GRAND TOTAL	4.347E+02	8.714E+02	1.577E+03	1.336E+05	1.702E+04	2.251E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 147)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	2	10	2	2	10	10	2	10	2	2	10
X MAXIMUM	3.005E+02	1.096E+03	1.465E+02	9.200E+04	1.024E+04	1.080E+04	3.005E+02	1.096E+03	1.465E+02	9.200E+04	1.023E+04	7.935E+03
Y	37	4	4	2	5	5	37	4	4	2	5	5
Y MAXIMUM	7.362E+01	1.988E+02	1.058E+02	1.611E+04	8.790E+03	5.723E+03	7.362E+01	1.988E+02	1.058E+02	1.611E+04	8.842E+03	5.834E+03
Z	10	2	4	2	2	10	10	2	4	2	2	1
Z MAXIMUM	1.937E+02	1.128E+03	1.559E+02	9.469E+04	1.054E+04	6.963E+03	1.937E+02	1.128E+03	1.559E+02	9.469E+04	1.053E+04	5.594E+03
GRAND TOTAL	4.347E+02	1.757E+03	4.017E+02	1.336E+05	2.180E+04	1.793E+04	4.347E+02	1.757E+03	4.017E+02	1.336E+05	2.204E+04	1.482E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 148)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	10	2	2	2	2	10	2	2	2	2	2	10
X MAXIMUM	3.005E+02	5.603E+02	9.415E+02	9.200E+04	7.521E+03	1.016E+04	4.348E+02	3.575E+02	9.415E+02	5.643E+04	7.836E+04	7.959E+03
Y	37	2	4	2	5	5	24	2	4	2	2	5
Y MAXIMUM	7.362E+01	9.813E+01	2.249E+02	1.611E+04	9.529E+03	4.626E+03	8.900E+01	6.261E+01	2.249E+02	9.883E+03	1.372E+04	4.363E+03
Z	10	2	2	2	1	2	2	2	2	2	2	10
Z MAXIMUM	1.937E+02	5.767E+02	9.691E+02	9.469E+04	8.479E+03	7.648E+03	4.476E+02	3.679E+02	9.691E+02	5.808E+04	8.065E+04	5.130E+03
GRAND TOTAL	4.347E+02	8.694E+02	1.578E+03	1.336E+05	1.869E+04	1.887E+04	6.923E+02	6.823E+02	1.578E+03	8.252E+04	1.144E+05	1.349E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 148)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	2	2	10
X MAXIMUM	5.603E+02	3.005E+02	9.415E+02	1.882E+04	1.033E+05	4.933E+03
Y	2	37	4	5	2	5
Y MAXIMUM	9.813E+01	7.362E+01	2.249E+02	9.790E+03	1.809E+04	3.766E+03
Z	2	10	2	2	2	10
Z MAXIMUM	5.767E+02	1.937E+02	9.691E+02	1.937E+04	1.063E+05	3.180E+03
GRAND TOTAL	8.694E+02	4.347E+02	1.578E+03	3.166E+04	1.501E+05	9.311E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 149)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	2	2	10	2	10	2	2	2	10
X MAXIMUM	5.625E+02	3.005E+02	9.402E+02	1.882E+04	1.033E+05	4.926E+03	5.625E+02	3.005E+02	9.402E+02	1.882E+04	1.089E+05	3.125E+03
Y	2	37	4	5	2	5	2	37	4	5	2	5
Y MAXIMUM	9.852E+01	7.362E+01	2.249E+02	9.799E+03	1.809E+04	3.743E+03	9.852E+01	7.362E+01	2.249E+02	9.799E+03	1.908E+04	3.326E+03
Z	2	10	2	2	2	10	2	10	2	2	2	1
Z MAXIMUM	5.790E+02	1.937E+02	9.677E+02	1.937E+04	1.063E+05	3.175E+03	5.790E+02	1.937E+02	9.677E+02	1.937E+04	1.121E+05	2.042E+03
GRAND TOTAL	8.727E+02	4.347E+02	1.576E+03	3.167E+04	1.501E+05	9.271E+03	8.727E+02	4.347E+02	1.576E+03	3.167E+04	1.586E+05	7.277E+03



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 150)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	2	2	10	2	10	2	2	2	10	2	2	2
X MAXIMUM	5.612E+02	9.409E+02	3.005E+02	1.882E+04	3.129E+03	1.089E+05	1.062E+03	2.688E+02	3.005E+02	1.469E+04	1.166E+04	1.149E+05
Y	2	4	37	5	5	2	2	4	37	5	5	2
Y MAXIMUM	9.829E+01	2.249E+02	7.362E+01	9.794E+03	3.339E+03	1.908E+04	1.860E+02	1.515E+02	7.362E+01	9.044E+03	5.151E+03	2.013E+04
Z	2	2	10	2	1	2	2	2	10	2	2	2
Z MAXIMUM	5.776E+02	9.685E+02	1.937E+02	1.937E+04	2.052E+03	1.121E+05	1.093E+03	2.766E+02	1.937E+02	1.512E+04	1.200E+04	1.183E+05
GRAND TOTAL	8.708E+02	1.577E+03	4.347E+02	3.167E+04	7.305E+03	1.586E+05	1.678E+03	6.557E+02	4.347E+02	2.583E+04	1.914E+04	1.678E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 150)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	2	10	2	2	2
X MAXIMUM	9.412E+02	5.608E+02	3.005E+02	2.338E+03	1.816E+04	1.135E+05
Y	4	2	37	5	5	2
Y MAXIMUM	2.249E+02	9.821E+01	7.362E+01	2.511E+03	1.063E+04	1.988E+04
Z	2	2	10	2	2	2
Z MAXIMUM	9.688E+02	5.772E+02	1.937E+02	2.407E+03	1.869E+04	1.168E+05
GRAND TOTAL	1.578E+03	8.701E+02	4.347E+02	5.313E+03	3.218E+04	1.658E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 151)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	2	2	2	2	10	2	2	2	2
X MAXIMUM	9.397E+02	3.005E+02	5.633E+02	2.289E+03	1.135E+05	1.817E+04	9.397E+02	3.005E+02	5.633E+02	2.289E+03	1.120E+05	1.802E+04
Y	4	37	2	5	2	5	4	37	2	5	2	5
Y MAXIMUM	2.249E+02	7.362E+01	9.866E+01	2.482E+03	1.988E+04	1.063E+04	2.249E+02	7.362E+01	9.866E+01	2.482E+03	1.962E+04	1.082E+04
Z	2	10	2	2	2	2	2	10	2	2	2	2
Z MAXIMUM	9.672E+02	1.937E+02	5.798E+02	2.356E+03	1.168E+05	1.870E+04	9.672E+02	1.937E+02	5.798E+02	2.356E+03	1.153E+05	1.855E+04
GRAND TOTAL	1.576E+03	4.347E+02	8.739E+02	5.238E+03	1.658E+05	3.220E+04	1.576E+03	4.347E+02	8.739E+02	5.238E+03	1.636E+05	3.242E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 152)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	2	2	2	2	10	2	2	2	2
X MAXIMUM	1.002E+03	3.604E+02	8.095E+02	2.331E+03	1.120E+05	1.802E+04	1.002E+03	3.604E+02	8.095E+02	2.331E+03	9.656E+04	1.704E+04
Y	4	24	2	5	2	5	4	24	2	5	2	5
Y MAXIMUM	2.150E+02	1.293E+02	1.418E+02	2.507E+03	1.962E+04	1.081E+04	2.150E+02	1.293E+02	1.418E+02	2.507E+03	1.691E+04	1.235E+04
Z	2	10	2	2	2	2	2	10	2	2	2	2
Z MAXIMUM	1.031E+03	2.323E+02	8.332E+02	2.399E+03	1.153E+05	1.855E+04	1.031E+03	2.323E+02	8.332E+02	2.399E+03	9.938E+04	1.754E+04
GRAND TOTAL	1.638E+03	5.643E+02	1.203E+03	5.302E+03	1.636E+05	3.241E+04	1.638E+03	5.643E+02	1.203E+03	5.302E+03	1.415E+05	3.645E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 153)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(C)	VY(C)	VZ(C)	TX(C)	MY(C)	MZ(C)
X	2	2	10	2	2	2	2	2	10	10	2	2
X MAXIMUM	1.002E+03	8.091E+02	3.604E+02	2.338E+03	1.704E+04	9.656E+04	8.882E+02	9.329E+02	3.604E+02	2.449E+03	1.693E+04	9.199E+04
Y	4	2	24	5	5	2	4	2	24	5	5	2
Y MAXIMUM	2.150E+02	1.417E+02	1.293E+02	2.512E+03	1.235E+04	1.691E+04	2.177E+02	1.634E+02	1.293E+02	8.527E+02	1.299E+04	1.611E+04
Z	2	2	10	2	2	2	2	2	10	10	2	2
Z MAXIMUM	1.032E+03	8.327E+02	2.323E+02	2.406E+03	1.754E+04	9.938E+04	9.142E+02	9.602E+02	2.323E+02	1.579E+03	1.743E+04	9.468E+04
GRAND TOTAL	1.639E+03	1.203E+03	5.643E+02	5.314E+03	3.645E+04	1.415E+05	1.497E+03	1.375E+03	5.643E+02	3.543E+03	3.821E+04	1.350E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 153)

	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	2	10	10	10	2
X MAXIMUM	7.589E+02	1.041E+03	3.604E+02	4.634E+03	1.739E+04	8.682E+04
Y	4	2	24	10	5	2
Y MAXIMUM	2.166E+02	1.823E+02	1.293E+02	9.302E+02	1.341E+04	1.521E+04
Z	2	2	10	10	2	2
Z MAXIMUM	7.811E+02	1.071E+03	2.323E+02	2.987E+03	1.702E+04	8.936E+04
GRAND TOTAL	1.337E+03	1.532E+03	5.643E+02	6.934E+03	3.946E+04	1.276E+05

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 154)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	10	2	10	2	10	2	10
X MAXIMUM	7.598E+02	3.604E+02	1.040E+03	4.619E+03	8.682E+04	1.740E+04	7.598E+02	3.604E+02	1.040E+03	4.619E+03	8.605E+04	1.768E+04
Y	4	24	2	10	2	5	4	24	2	10	2	5
Y MAXIMUM	2.166E+02	1.293E+02	1.822E+02	9.273E+02	1.521E+04	1.341E+04	2.166E+02	1.293E+02	1.822E+02	9.273E+02	1.507E+04	1.347E+04
Z	2	10	2	10	2	2	2	10	2	10	2	2
Z MAXIMUM	7.820E+02	2.323E+02	1.071E+03	2.977E+03	8.936E+04	1.702E+04	7.820E+02	2.323E+02	1.071E+03	2.977E+03	8.857E+04	1.698E+04
GRAND TOTAL	1.338E+03	5.643E+02	1.531E+03	6.905E+03	1.276E+05	3.946E+04	1.338E+03	5.643E+02	1.531E+03	6.905E+03	1.265E+05	3.971E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 155)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	2	2	10	2	10	2	2	2	10	2	10
X MAXIMUM	7.581E+02	1.064E+02	1.041E+03	4.648E+03	8.605E+04	1.765E+04	7.581E+02	1.064E+02	1.041E+03	4.648E+03	4.691E+04	1.494E+04
Y	4	37	2	10	2	5	4	37	2	10	2	5
Y MAXIMUM	2.166E+02	1.124E+02	1.824E+02	9.329E+02	1.507E+04	1.347E+04	2.166E+02	1.124E+02	1.824E+02	9.329E+02	8.215E+03	1.048E+04
Z	2	2	2	10	2	2	2	2	2	10	2	2
Z MAXIMUM	7.803E+02	1.095E+02	1.072E+03	2.996E+03	8.857E+04	1.698E+04	7.803E+02	1.095E+02	1.072E+03	2.996E+03	4.828E+04	1.286E+04
GRAND TOTAL	1.336E+03	2.757E+02	1.533E+03	6.960E+03	1.265E+05	3.970E+04	1.336E+03	2.757E+02	1.533E+03	6.960E+03	7.105E+04	3.331E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 156)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	10	2	10	2	10	2	10
X MAXIMUM	7.581E+02	1.103E+02	1.271E+03	4.649E+03	4.691E+04	1.494E+04	7.581E+02	1.103E+02	1.271E+03	4.649E+03	4.865E+04	6.648E+03
Y	4	5	2	10	2	5	4	5	2	10	2	24
Y MAXIMUM	2.167E+02	8.797E+01	2.226E+02	9.333E+02	8.215E+03	1.048E+04	2.167E+02	8.797E+01	2.226E+02	9.333E+02	8.521E+03	4.614E+03
Z	2	2	2	10	2	2	2	2	2	10	2	2
Z MAXIMUM	7.803E+02	1.122E+02	1.308E+03	2.997E+03	4.828E+04	1.286E+04	7.803E+02	1.122E+02	1.308E+03	2.997E+03	5.007E+04	4.426E+03
GRAND TOTAL	1.336E+03	2.560E+02	1.842E+03	6.964E+03	7.105E+04	3.331E+04	1.336E+03	2.560E+02	1.842E+03	6.964E+03	7.315E+04	1.701E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 157)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	10	2	10	2	10	2	10
X MAXIMUM	7.583E+02	1.577E+02	1.377E+03	4.649E+03	4.865E+04	5.649E+03	7.583E+02	1.577E+02	1.377E+03	4.649E+03	1.522E+05	5.208E+03
Y	4	24	2	10	2	24	4	24	2	10	2	5
Y MAXIMUM	2.167E+02	9.923E+01	2.412E+02	9.331E+02	8.521E+03	4.614E+03	2.167E+02	9.923E+01	2.412E+02	9.331E+02	2.666E+04	3.473E+03
Z	2	2	2	10	2	2	2	2	2	10	2	2
Z MAXIMUM	7.805E+02	1.152E+02	1.418E+03	2.996E+03	5.007E+04	4.426E+03	7.805E+02	1.152E+02	1.418E+03	2.996E+03	1.567E+05	4.239E+03
GRAND TOTAL	1.337E+03	3.868E+02	2.015E+03	6.962E+03	7.315E+04	1.701E+04	1.337E+03	3.868E+02	2.015E+03	6.962E+03	2.214E+05	1.228E+04



ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 158)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	2	10	2	10	2	10	2	10	2	10	2	10
X MAXIMUM	7.586E+02	1.671E+02	1.392E+03	4.650E+03	1.522E+05	5.207E+03	7.586E+02	1.671E+02	1.392E+03	4.650E+03	2.046E+05	1.149E+04
Y	4	24	2	10	2	5	4	24	2	10	2	5
Y MAXIMUM	2.167E+02	1.155E+02	2.438E+02	9.334E+02	2.666E+04	3.472E+03	2.167E+02	1.155E+02	2.438E+02	9.334E+02	3.583E+04	7.210E+03
Z	2	2	2	10	2	2	2	2	2	10	2	2
Z MAXIMUM	7.809E+02	1.158E+02	1.433E+03	2.997E+03	1.567E+05	4.239E+03	7.809E+02	1.158E+02	1.433E+03	2.997E+03	2.106E+05	8.593E+03
GRAND TOTAL	1.338E+03	4.312E+02	2.044E+03	6.964E+03	2.214E+05	1.228E+04	1.338E+03	4.312E+02	2.044E+03	6.964E+03	2.977E+05	2.831E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 159)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	27	32	32	0	32	9	27	32	32	0	32	32
X MAXIMUM	6.551E+01	2.272E+02	3.763E+02	0.	1.876E-04	4.922E-04	6.551E+01	2.272E+02	3.763E+02	0.	1.919E+03	1.158E+03
Y	27	32	32	0	9	12	27	32	32	0	32	32
Y MAXIMUM	1.237E+02	8.086E+01	1.339E+02	0.	3.066E-04	6.409E-04	1.237E+02	8.086E+01	1.339E+02	0.	6.830E+02	4.124E+02
Z	12	32	32	0	11	12	12	32	32	0	32	32
Z MAXIMUM	9.670E+01	1.387E+02	2.298E+02	0.	1.888E-04	8.965E-04	9.670E+01	1.387E+02	2.298E+02	0.	1.172E+03	7.075E+02
GRAND TOTAL	3.181E+02	3.253E+02	5.170E+02	0.	6.336E-04	1.697E-03	3.181E+02	3.253E+02	5.170E+02	0.	2.637E+03	1.659E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 160)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	3	11	3	0	3	3	3	11	3	0	3	11
X MAXIMUM	3.525E+02	7.280E+02	2.179E+03	0.	3.668E-03	2.140E-03	3.525E+02	7.280E+02	2.179E+03	0.	4.968E+04	1.660E+04
Y	16	12	3	0	3	3	16	12	3	0	3	12
Y MAXIMUM	7.255E+02	7.596E+02	3.974E+02	0.	5.341E-04	3.510E-04	7.255E+02	7.596E+02	3.974E+02	0.	9.062E+03	1.732E+04
Z	13	11	3	0	3	3	13	11	3	0	3	11
Z MAXIMUM	4.729E+02	2.234E+03	5.665E+02	0.	7.515E-04	5.131E-04	4.729E+02	2.234E+03	5.665E+02	0.	1.292E+04	5.093E+04
GRAND TOTAL	1.357E+03	2.741E+03	2.339E+03	0.	3.805E-03	2.301E-03	1.357E+03	2.741E+03	2.339E+03	0.	5.332E+04	6.249E+04

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 161)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	32	12	9	0	27	9	32	12	9	0	9	12
X MAXIMUM	2.375E+02	2.166E+02	3.244E+02	0.	1.326E-04	4.922E-04	2.375E+02	2.166E+02	3.244E+02	0.	1.655E+03	1.105E+03
Y	27	12	12	0	27	8	27	12	12	0	12	12
Y MAXIMUM	1.846E+02	4.204E+02	4.245E+02	0.	2.365E-04	6.142E-04	1.846E+02	4.204E+02	4.245E+02	0.	2.165E+03	2.144E+03
Z	32	12	11	0	11	15	32	12	11	0	11	12
Z MAXIMUM	1.450E+02	4.117E+02	5.004E+02	0.	2.041E-04	5.798E-04	1.450E+02	4.117E+02	5.004E+02	0.	2.552E+03	2.100E+03
GRAND TOTAL	5.635E+02	9.485E+02	1.083E+03	0.	4.910E-04	1.500E-03	5.635E+02	9.485E+02	1.083E+03	0.	5.525E+03	4.837E+03

ELEMENT TYPE (3/D P I P E ) / / / ELEMENT NUMBER ( 162)

	PX(I)	VY(I)	VZ(I)	TX(I)	MY(I)	MZ(I)	PX(J)	VY(J)	VZ(J)	TX(J)	MY(J)	MZ(J)
X	10	10	10	0	10	10	10	10	10	0	10	10
X MAXIMUM	1.205E+02	2.983E+02	1.853E+02	0.	7.460E-04	2.493E-04	1.205E+02	2.983E+02	1.853E+02	0.	7.582E+02	1.221E+03
Y	5	10	29	0	5	5	5	10	29	0	29	10
Y MAXIMUM	1.588E+02	5.989E+01	5.794E+01	0.	3.166E-04	1.092E-04	1.588E+02	5.989E+01	5.794E+01	0.	2.371E+02	2.451E+02
Z	10	2	10	0	2	10	10	2	10	0	10	2
Z MAXIMUM	7.766E+01	1.927E+02	1.194E+02	0.	6.149E-04	1.227E-04	7.766E+01	1.927E+02	1.194E+02	0.	4.887E+02	7.884E+02
GRAND TOTAL	2.482E+02	4.588E+02	3.185E+02	0.	1.277E-03	3.464E-04	2.482E+02	4.588E+02	3.185E+02	0.	1.303E+03	1.877E+03

# SUMMARY OF SUPPORT FORCES/MOMENTS IN GLOBAL/LOCAL SYSTEMS

BDRY= BOUNDARY ELEMENTS (SPRING)  
 THAM= THERMAL ANCHOR MOTION  
 SEAM= SEISMIC ANCHOR MOTION  
 SNBR= SNUBBER ELEMENT

LOAD CASE 1 IND SUP MOT BENCHMARK 4 ABS

KIND OF SUPPORT	NODE NUMBER	GLOBAL COMPONENTS						LOCAL COMPONENTS	
		FX	FY	FZ	MX	MY	MZ	FL	ML
BDRY	1	3033.	0.	0.	0.	0.	0.	3033.	0.
BDRY	1	0.	2119.	0.	0.	0.	0.	2119.	0.
BDRY	1	0.	0.	1917.	0.	0.	0.	1917.	0.
BDRY	17	0.	34.	0.	0.	0.	0.	34.	0.
BDRY	29	0.	2018.	0.	0.	0.	0.	2018.	0.
BDRY	37	0.	0.	3482.	0.	0.	0.	3482.	0.
BDRY	43	4120.	0.	317.	0.	0.	0.	4132.	0.
BDRY	49	0.	2970.	0.	0.	0.	0.	2970.	0.
BDRY	51	0.	221.	2874.	0.	0.	0.	2883.	0.
BDRY	56	1735.	0.	125.	0.	0.	0.	1740.	0.
BDRY	62	0.	47.	0.	0.	0.	0.	47.	0.
BDRY	67	2379.	0.	5731.	0.	0.	0.	6205.	0.
BDRY	72	0.	2469.	0.	0.	0.	0.	2469.	0.
BDRY	74	2405.	1625.	5805.	0.	0.	0.	6490.	0.
BDRY	87	0.	97.	0.	0.	0.	0.	97.	0.
BDRY	89	0.	4444.	0.	0.	0.	0.	4444.	0.
BDRY	94	2944.	0.	0.	0.	0.	0.	2944.	0.
BDRY	94	0.	4208.	0.	0.	0.	0.	4208.	0.
BDRY	94	0.	0.	823.	0.	0.	0.	823.	0.
BDRY	108	0.	51.	0.	0.	0.	0.	51.	0.
BDRY	112	1887.	0.	0.	0.	0.	0.	1887.	0.
BDRY	117	0.	364.	1714.	0.	0.	0.	1753.	0.
BDRY	119	0.	914.	0.	0.	0.	0.	914.	0.
BDRY	127	129.	0.	1252.	0.	0.	0.	1259.	0.
BDRY	133	0.	703.	0.	0.	0.	0.	703.	0.
BDRY	135	0.	287.	557.	0.	0.	0.	626.	0.
BDRY	141	1300.	0.	412.	0.	0.	0.	1364.	0.
BDRY	145	0.	0.	2031.	0.	0.	0.	2031.	0.
BDRY	149	0.	1182.	0.	0.	0.	0.	1182.	0.
BDRY	157	0.	86.	0.	0.	0.	0.	86.	0.
BDRY	165	3546.	969.	1505.	0.	0.	0.	3972.	0.
BDRY	169	0.	1058.	0.	0.	0.	0.	1058.	0.
BDRY	188	0.	665.	0.	0.	0.	0.	665.	0.
BDRY	192	834.	0.	0.	0.	0.	0.	834.	0.
BDRY	192	0.	431.	0.	0.	0.	0.	431.	0.
BDRY	192	0.	0.	2296.	0.	0.	0.	2296.	0.

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