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January 21, 1997
G-1151-SJA-97-038

Document Control Desk
United States Nuclear Regulatory Commission
Washington, D.C. 20555

BOEING

Reference: a) Boeing Letter G-1151-RSO-92-365 dated August 31, 1992; R. S. Orr to the NRC Operations Center

b) NRC Letter Docket No. 99901227 dated August 12, 1992; L. J. Norrholm to R. S. Orr; Subject: Response to 10 CFR 21 Inquiry

Dear Sir or Madam:

In accordance with the reference correspondence and 10 CFR 21, Boeing is sending the NRC the attached error notice(s) received from our former software suppliers. Because of unknown current addresses, the following former customers were not notified:

Reactor Controls, Inc.

Echo Energy Consultants, Inc.

Nuclear Applications and Systems Analysis Company (Japan)

Nuclear Power Services

Error notices have been sent to our other former customers.

Very truly yours,

S. Charles for

Sandra J. Andrews
Nuclear Administrator
Phone: (206) 865-6248
FAX: (206) 865-4851
Mail Stop: 7A-33, or
e-mail: Sandra.Andrews@PSS.Boeing.com

Enclosure(s): ANSYS Class3 Error Reports 96-47, 96-48, 96-49, 96-50, 96-51, 96-52, 96-53;
ANSYS Class3 Error Summary Reports for Rev 5.2 and Rel[illegible]se 5.3

IE20 1/1

IDSR-13 vendor Disp
(9901227)

PDR QA999

ANSYS® CLASS3 ERROR REPORT

ERROR NO: 96-47

KEYWORDS: */CLEAR* *DEC-ALPHA* *PARALLEL*

DESCRIPTION OF ERROR:

On Dec-Alpha Unix systems if parallel processing is on (NUM_PROC>1), the /CLEAR command will turn off parallel processing and cause incorrect results in the subsequent solutions.

FIRST INCORRECT VERSION(S):*	CORRECTED IN:*
Release 5.3	Release 5.4

SUGGESTED USER ACTION FOR RUNNING ON UNCORRECTED VERSION:

If the /CLEAR command is used after doing a solution, do not use parallel processing on DEC-Alpha Unix systems.

COMMENTS:

AUTHOR/CORRECTOR: John Song DATE: December 20, 1996

REVIEWED BY QA: William J. Bryan DATE: December 20, 1996

APPROVAL: John A. Swanson DATE: December 20, 1996

*If a product name is not included in the "first incorrect version", the full ANSYS program is implied. For products not listed, this error does not apply, but see the reverse side for equivalent product designations.

Unless noted otherwise, this error report also applies to all revisions after the first incorrect one and prior to the corrected revision. All revisions after "corrected in" are corrected. Manual corrections are included in on-line documentation as appropriate. Please see the reverse side of this sheet for additional information on ANSYS revision identifiers.

ANSYS® CLASS3 ERROR REPORT

ERROR NO: 96-48

KEYWORDS: *LSDYNA* *EDLOAD*

DESCRIPTION OF ERROR:

The EDLOAD command erroneously transfers rotational degrees of freedom (Lab=ROTX, ROTY or ROTZ) nodal loads as rotational velocity degrees of freedom nodal loads (Lab=OMGX, OMGY or OMGZ).

Typical GUI Path(s):

Main Menu>Solution>Loading Options>Specify Loads

FIRST INCORRECT VERSION(S):*	CORRECTED IN:*
Release 5.3	Release 5.4

SUGGESTED USER ACTION FOR RUNNING ON UNCORRECTED VERSION:

Users familiar with the LS-DYNA keyword format can edit the file jobname.k and correct the third field of the *BOUNDARY_PRESCRIBED_MOTION_SET keyword, then run LS-DYNA directly using this corrected file.

COMMENTS:

AUTHOR/CORRECTOR: Christopher Aiken DATE: December 6, 1996

REVIEWED BY QA: William J. Bryan DATE: December 6, 1996

APPROVAL: John A. Swanson DATE: December 6, 1996

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ANSYS® CLASS3 ERROR REPORT

ERROR NO: 96-49

KEYWORDS: *LSDYNA* *ROTATED NODES*

DESCRIPTION OF ERROR:

ANSYS/LS-DYNA ignores nodal rotations. Because rotated nodes are not properly error trapped for all cases, some items (such as displacement constraints) may be erroneously interpreted in Global Cartesian coordinates rather than the rotated nodal coordinates.

Note that the application of symmetry or anti-symmetry boundary conditions (DSYM,DL,DA) will automatically produce nodal rotations.

Typical GUI Path(s):

Main Menu>Preprocessor>Create>Nodes>To Active CS
Main Menu>Preprocessor>Move/Modify>To Active CS
Main Menu>Preprocessor>Loads>Apply>Displacement

FIRST INCORRECT VERSION(S):*	CORRECTED IN:*
Release 5.3	Release 5.4

SUGGESTED USER ACTION FOR RUNNING ON UNCORRECTED VERSION:

Apply all boundary conditions in the Global Cartesian coordinate system. Ensure that there are no non-zero nodal rotations in the model. This can be accomplished by issuing the following sets of commands. For each case, NLIST should list no nodes.

```
NSEL,ALL    $NSEL,U,ANG,XY,0,0   $NLIST,ALL
NSEL,ALL    $NSEL,U,ANG,YZ,0,0   $NLIST,ALL
NSEL,ALL    $NSEL,U,ANG,ZX,0,0   $NLIST,ALL
```

COMMENTS:

Error trapping will be expanded at Release 5.4 to prevent any use of rotated nodes in ANSYS/LS-DYNA.

AUTHOR/CORRECTOR: _____ DATE: December 6, 1996
Ashraf Ali

REVIEWED BY QA: _____ DATE: December 6, 1996
William J. Bryan

APPROVAL: _____ DATE: December 6, 1996
John A. Swanson

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ANSYS® CLASS3 ERROR REPORT

ERROR NO: 96-50

KEYWORDS: *SOLID92* *PLANE2* *SOLID87* *CURVED EDGES*

DESCRIPTION OF ERROR:

SOLID92 and PLANE2 may produce erroneous high stress concentrations for elements with curved edges that have lengths of the order of 1.0E-3 and less.

SOLID87 may produce erroneous high fluxes across element faces whose edges are curved and have lengths of the order of 1.0E-3 and less.

Typical GUI Path(s):

There are numerous GUI paths that produce curved edge elements described above.

FIRST INCORRECT VERSION(S):*	CORRECTED IN:*
Release 5.3 Component Products Release 5.3	Release 5.4 Component Products Release 5.4

SUGGESTED USER ACTION FOR RUNNING ON UNCORRECTED VERSION:

Set the undocumented KEYOPT(8) for SOLID92, PLANE2, SOLID87 equal to 1 and run the problem. This will produce the correct stresses and fluxes.

COMMENTS:

AUTHOR/CORRECTOR: Pakal Rahulkumar DATE: December 6, 1996

REVIEWED BY QA: William J. Bryan DATE: December 6, 1996

APPROVAL: John A. Swanson DATE: December 6, 1996

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ANSYS® CLASS3 ERROR REPORT

ERROR NO: 96-51

KEYWORDS: */GRAPHICS,POWER* *POST1* *LCOPER* *PLNSOL*

DESCRIPTION OF ERROR:

The POST1 element results displayed by the PLNSOL command will be incorrect if all of the following commands have been issued:

1. Power graphics are enabled (/GRAPHICS,POWER)
2. Element results are displayed by the PLNSOL command
3. Then load case operations are performed (LCOPER)
4. Then the operated element results are displayed by the PLNSOL command.

The second and subsequent PLNSOL command will display the same results as the first PLNSOL command until a PLESOL command is issued.

Typical GUI Path(s):

Utility Menu>PlotCtrls>Style>Hidden-Line Options
Main Menu>General PostProc>Plot Results>Nodal Solution
Utility Menu>Plot>Results>Contour Plot>Nodal Solution
Main Menu>General Postproc>Load Case

FIRST INCORRECT VERSION(S):*	CORRECTED IN:*
Rev. 5.2 Component Products Rev. 5.2	Release 5.4 Component Products Release 5.4

SUGGESTED USER ACTION FOR RUNNING ON UNCORRECTED VERSION:

COMMENTS:

AUTHOR/CORRECTOR: _____ DATE: December 6, 1996
Herb Mroz

REVIEWED BY QA: _____ DATE: December 6, 1996
William J. Bryan

APPROVAL: _____ DATE: December 6, 1996
John A. Swanson

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ANSYS® CLASS3 ERROR REPORT

ERROR NO: 96-52

KEYWORDS: *DOCUMENTATION* *SELECT*

DESCRIPTION OF ERROR:

The Commands Manual documentation for the select commands (xSEL family of commands, where x is A, K, L, V, E or N) fails to describe a tolerance that is used when unequal MIN and MAX values are entered to indicate a select range. For such cases, a tolerance of +/- 1E-8*(MAX - MIN) is added to the select range.

Users should be aware that using exceptionally large values for MIN and/or MAX may cause unanticipated items to be chosen by the select due to this tolerance. This typically occurs when selecting all positive (or negative) values by entering an exceptionally large value in the MAX (or MIN) field to denote infinity.

Typical GUI Path(s):

Utility Menu>Select>Entities

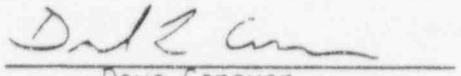
FIRST INCORRECT VERSION(S):*	CORRECTED IN:*
Release 5.3 Commands Manual	Release 5.4 Commands Manual

SUGGESTED USER ACTION FOR RUNNING ON UNCORRECTED VERSION:

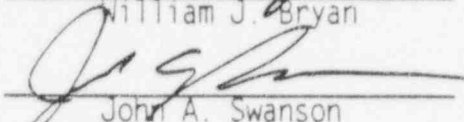
When selecting, use a value for MAX and/or MIN that is reasonable for the select range that is desired.

COMMENTS:

Note that this tolerance was introduced at Release 5.3 and any previous inputs may show this incompatibility.

AUTHOR/CORRECTOR:  DATE: December 6, 1996
Dave Conover

REVIEWED BY QA:  DATE: December 6, 1996
William J. Bryan

APPROVAL:  DATE: December 6, 1996
John A. Swanson

*If a product name is not included in the "first incorrect version", the full ANSYS program is implied. For products not listed, this error does not apply, but see the reverse side for equivalent product designations.

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ANSYS® CLASS3 ERROR REPORT

ERROR NO: 96-53

KEYWORDS: *PIPE20* *ELEM20* *STRESS STIFFENING*
ANTYPE,BUCKLE *SSTIF,ON* *PSTRESS,ON*

DESCRIPTION OF ERROR:

The axial force used for the stress stiffening matrix of PIPE20 (the plastic straight pipe element) does not include the effect of internal or external pressure. Stress stiffening is activated by the SSTIF,ON or PSTRES,ON commands.

TYPICAL GUI PATH(S):

SSTIF,ON and PSTRESS,ON - Main Menu>Preprocessor>Loads>Analysis Options
Main Menu>Solution>Analysis Options

FIRST INCORRECT VERSION(S):*	CORRECTED IN:*
Rev. 3.0	Release 5.4

SUGGESTED USER ACTION FOR RUNNING ON UNCORRECTED VERSION:

Consider using PIPE16, the elastic straight pipe element.

COMMENTS:

The commands noted above which activate stress stiffening apply to Revision 5.0 and up. Earlier releases used different commands to activate stress stiffening.

AUTHOR/CORRECTOR: Peter Kohnke DATE: December 6, 1996

REVIEWED BY QA: William J. Bryan DATE: December 6, 1996

APPROVAL: John A. Swanson DATE: December 6, 1996

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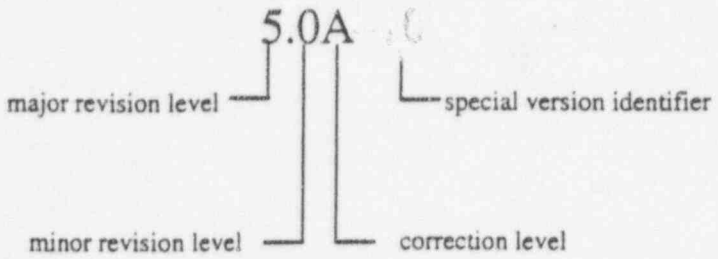
ANSYS Revision Identifier Description

ANSYS revision identifiers consist of a major revision level, a minor revision level, a correction level, and occasionally a special version level. An example of how this is constructed is shown below:



Major revision level changes indicate that new features have been added to the program and that some level of program architecture change and/or file structure has occurred. Minor revision level changes also indicate that new features have been added to the program, but files are upwardly compatible. All known error fixes are included in both minor and major revisions. Changes to the correction level indicate that it is primarily an error correction release. Special version identifiers indicate that one or more additional minor changes have been made to the program, normally to circumvent an error. Special versions are not general releases to all ANSYS licensees, since they typically represent errors occurring only on one system, a subset of our customers who have specific graphics devices, etc.

The ANSYS revision identifier(s) shown under "corrected in" on the front side of this Class3 Error Report indicates the first possible revision that could contain the correction. A major program change needed to fix an error can dictate that the next minor or major revision will contain the fix rather than the next correction level. For example, when errors were being reported while Rev. 4.3A was the latest production version, most Class3 error reports indicated that 4.3B was the "corrected in" revision. Others requiring significant code restructuring were reported as fixed in 4.4. Rev. 4.3B was never released, but Rev. 4.4 contained all error corrections noted as fixed in 4.3B.

An identifier indicated under "corrected in" does not guarantee that a general release of that revision of ANSYS will occur. It does indicate that the correction is known and implemented in the coding that would be part of that general release.

Equivalent Product Identifiers

The ANSYS family of component products occasionally undergoes name changes between revisions and/or changes in the functionality of derived products (such as ANSYS-PC/LINEAR). To minimize the potential for confusion in these areas, the important product name equivalences (similar program functionality and error content) are listed below.

ANSYS/ED	contains all errors shown for		the full ANSYS product, starting at Rev. 5.0, and beyond, unless otherwise noted.
PREPPOST	contains relevant errors shown for		the full ANSYS product, for included pre- and postprocessing functionality
ANSYS Component Products is an inclusive term for			All component products that were issued at the stated revision level(s)
PC/LINEAR	is equivalent to		WS/LINEAR at Rev. 4.4A,
		and	ANSYS/LinearPlus starting at Rev. 5.0A.
PC/THERMAL	is equivalent to		WS/THERMAL at Rev. 4.4A,
		and	ANSYS/THERMAL starting at Rev. 5.0A.
PC/MAGNETIC	is equivalent to		ANSYS/Emag starting at Rev. 5.0A

ANSYS®

January 8, 1997

JAN 2 0 1997
CONTRACTS

Dear Class3 Error Recipient:

Enclosed you will find ANSYS Class3 Error Reports 96-47, 96-48, 96-49, 96-50, 96-51, 96-52, and 96-53. These reports were issued in the last quarter of 1996.

In the year 1996 the following Class3 Error Reports were issued: Class3 Error Reports 96-01 through 96-53, 96-02 R1, 95-55 R1, 95-49 R1, 95-39 R1, 95-37 R1, 94-68 R2, 93-33 R1, 93-03 R1, 92-25 R1, and 96-45 R1. ANSYS QA Notices QA96-01 through QA96-09 and QA96-05 R1 were also issued. ANSYS Support Coordinator Bulletin SCB 96-01 was also issued. If you are missing any of these reports, please contact Bonny Podolek at 412-873-2858 and they will be provided to you.

I would like to remind you of the various ways that you can receive Class3 error information. Quarterly, Class3 errors will be delivered by mail to the ANSYS Support Coordinator listed on your ANSYS license agreement. Please complete and return the attached change form if there has been a change in personnel or an address change so that these reports can be delivered promptly.

For users desiring access to Class3 errors on a more timely basis you can be added to our email distribution list. To register for email notification of reports, simply send an email request including your email address, company name/address and ANSYS agreement number to bpodolek@ansys.com. If you are a subscriber to email distribution, please keep us informed of any changes in your email address by emailing bpodolek@ansys.com.

Finally, Class3 Errors and QA Notices are posted on ANSYS's Internet HomePage. The address is http://www.ansys.com. They are located in the ANSYS Zones section of the HomePage under Customer. The username to enter this area is "customer" and the password is "ainlfm" (ANSYS is number 1 for me).

For your convenience, also enclosed with this mailing you will find ANSYS Class3 Error Summary Report Summaries sorted both by error number and keyword for Rev. 5.2 and Release 5.3

I would like to take this opportunity to extend to you wishes for a prosperous new year.

Sincerely,

ANSYS, Inc.

William J. Bryan
Quality Assurance Manager

KEYWORD	ERROR REPORT NUMBER	COMPLETE KEYWORD LIST							VERSION CORRECTED
FLUID142	95-39 R1	FLOTRAN	ELEM142	FLUID142					Release 5.4
FLUID142	96-28	ELEM142	FLUID142	FLOTRAN	TETRAHEDRON	SF	SFE	HEAT TRANSFER	Release 5.3
FLUID142	96-46	CFD	THERMAL EXPANSI	FLUID141	FLUID142				Release 5.4
FLUID66	96-05	DOCU	FLUID66	ELEM66					5.3 User Manual
FLUID66	96-31	FLUID66	ELEM66	HGEN	KBC,0				Release 5.3
GCGEN	96-30	GCGEN	CONTACT	ELEM48					Release 5.3
GP	96-15	GP	LSWRITE	LSSOLVE					Release 5.3
GRAPHICS	95-60	GRAPHICS	POST1	SET	POWERGRAPHICS	SYSTEM			Rev. 5.3
GRAPHICS	96-06	GRAPHICS	POST1	PRNSOL	PLNSOL				Release 5.3
GUI	95-58	GUI	BEAM44	REAL CONSTANTS					Rev. 5.3
HARMONIC	96-24	POST1	HARMONIC	IMAGINARY SOLU					Release 5.3
HEAT TRANSFER	96-28	ELEM142	FLUID142	FLOTRAN	TETRAHEDRON	SF	SFE	HEAT TRANSFER	Release 5.3
HFLUX	96-23	PLANE78	MODE>0	HFLUX					Release 5.3
HGEN	96-31	FLUID66	ELEM66	HGEN	KBC,0				Release 5.3
IMAGINARY SOLUTI	96-24	POST1	HARMONIC	IMAGINARY SOLU					Release 5.3
IMPOSED DOF	96-16	IMPOSED DOF	RAMP TO ZERO						Release 5.3
INITIAL CONDITIO	96-44	SAVE	LOADS	INITIAL CONDIT	/EXIT				Release 5.4
KBC,0	96-31	FLUID66	ELEM66	HGEN	KBC,0				Release 5.3
KEYOPT(3)=2	96-25	ELEM34	CONVECTION LINK	KEYOPT(3)=2	SFE				Release 5.3
KEYOPT(3)=2	96-26	SHELL63	KEYOPT(3)=2	ALLMAN ROTATIO	BUCKLING	STRESS STIFFEN			Release 5.3
KGEN	96-22	KGEN	KSYM	KTRA	KSEL	KSLL	KSLN		Release 5.3
KMODIF	96-04	KMODIF	BOUNDARY COND						Release 5.3
KSEL	96-22	KGEN	KSYM	KTRA	KSEL	KSLL	KSLN		Release 5.3
KSLL	96-22	KGEN	KSYM	KTRA	KSEL	KSLL	KSLN		Release 5.3
KSLN	96-22	KGEN	KSYM	KTRA	KSEL	KSLL	KSLN		Release 5.3
KSYM	96-22	KGEN	KSYM	KTRA	KSEL	KSLL	KSLN		Release 5.3
KTRA	96-22	KGEN	KSYM	KTRA	KSEL	KSLL	KSLN		Release 5.3
KZZ	96-02 R1	THERMAL ANALYSIS	KZZ	ORTHOTROPIC MA	MATRIX REUSE				Release 5.3
LARGE DEFLECTION	96-17	MODAL ANALYSIS	LARGE DEFLECTIO						Release 5.3
LCASE	95-61	POST1	LCASE	LCFACT					Rev. 5.3
LCFACT	95-61	POST1	LCASE	LCFACT					Rev. 5.3
LCOMB	96-27	LCOMB	NUMSTR						Release 5.3
LCOPER	96-10	POST1	LCWRIT	LCOPER					Release 5.3
LCWRIT	96-10	POST1	LCWRIT	LCOPER					Release 5.3
LOADS	96-44	SAVE	LOADS	INITIAL CONDIT	/EXIT				Release 5.4
LSSOLVE	96-15	GP	LSWRITE	LSSOLVE					Release 5.3
LSWRITE	96-15	GP	LSWRITE	LSSOLVE					Release 5.3
MATERIAL PROP	96-03	MATERIAL PROP	BEAM ELEMENTS	PIPE ELEMENTS					Release 5.3

KEYWORD	ERROR REPORT NUMBER	COMPLETE KEYWORD LIST							VERSION CORRECTED
MATRIX REUSE	96-02 R1	THERMAL ANALYSIS	KZZ	ORTHOTROPIC MA	MATRIX REUSE				Release 5.3
MATRIX50	96-43	MATRIX50	SUPERELEMENTS	COUPLED DOF	NONZERO CONSTR				Release 5.4
MESH	96-29	BOOLEAN	SUBTRACT	MESH					Release 5.3
MODAL	95-56	MODAL	DAMPED						Rev. 5.3
MODAL ANALYSIS	96-17	MODAL ANALYSIS	LARGE DEFLECTIO						Release 5.3
MODE>0	96-23	PLANE78	MODE>0	HFLUX					Release 5.3
MULTI-FIELD	96-21	TRANSIENT	DAMPING	MULTI-FIELD					Release 5.3
MULTIPLE SOLUTIO	95-55 R1	POST1	ESEL	MULTIPLE SOLUT					5.3 User Manual
NEWTON-RAPHSON	96-14	SHELL63	ELEM63	THERMAL LOAD	NEWTON-RAPHSON				Release 5.3
NODE COMPONENT	96-19	P-METHOD	PCONV	NODE COMPONENT					Release 5.3
NON-HIDDEN METHO	95-41	AUX12	RAD VIEW FACTOR	NON-HIDDEN MET					Rev. 5.3
NONLINEAR	96-01	POST1	SHELL	NONLINEAR	PDEF	ETABLE	PRNSOL	PLNSOL	Release 5.3
NONZERO CONSTRAI	96-43	MATRIX50	SUPERELEMENTS	COUPLED DOF	NONZERO CONSTR				Release 5.4
NUMSTR	96-27	LCOMB	NUMSTR						Release 5.3
ORTHOTROPIC MATL	96-02 R1	THERMAL ANALYSIS	KZZ	ORTHOTROPIC MA	MATRIX REUSE				Release 5.3
P-METHOD	96-19	P-METHOD	PCONV	NODE COMPONENT					Release 5.3
PARALLEL PROCESS	96-09	THERMAL PHASE CH	PARALLEL PROCES						Release 5.3
PCONV	96-19	P-METHOD	PCONV	NODE COMPONENT					Release 5.3
PDEF	96-01	POST1	SHELL	NONLINEAR	PDEF	ETABLE	PRNSOL	PLNSOL	Release 5.3
PIPE ELEMENTS	96-03	MATERIAL PROP	BEAM ELEMENTS	PIPE ELEMENTS					Release 5.3
PIPE16	96-40	PREP7	PIPE16	VALVE	BUNIF				Release 5.4
PIPE20	96-53	PIPE20	ELEM20	STRESS STIFFEN	ANTYPE,BUCKLE	SSTIF,ON	PSTRESS,ON		Release 5.4
PLANE53	96-35	EMAG	ELEM53	PLANE53	CIRCUIT				Release 5.3
PLANE78	96-23	PLANE78	MODE>0	HFLUX					Release 5.3
PLNSOL	96-06	GRAPHICS	POST1	PRNSOL	PLNSOL				Release 5.3
PMETHOD	96-32	PMETHOD	SHELL150	PRESSURE					Release 5.3
POST1	95-55 R1	POST1	ESEL	MULTIPLE SOLUT					5.3 User Manual
POST1	95-60	GRAPHICS	POST1	SET	POWERGRAPHICS	SYSTEM			Rev. 5.3
POST1	95-61	POST1	LCASE	LCFACT					Rev. 5.3
POST1	96-01	POST1	SHELL	NONLINEAR	PDEF	ETABLE	PRNSOL	PLNSOL	Release 5.3
POST1	96-06	GRAPHICS	POST1	PRNSOL	PLNSOL				Release 5.3
POST1	96-08	RESTART	POST1	SET					Release 5.3
POST1	96-10	POST1	LCWRIT	LCOPER					Release 5.3
POST1	96-11	POST1	ETABLE	EMID					Release 5.3
POST1	96-24	POST1	HARMONIC	IMAGINARY SOLU					Release 5.3
POWERGRAPHICS	95-60	GRAPHICS	POST1	SET	POWERGRAPHICS	SYSTEM			Rev. 5.3
PREP7	96-40	PREP7	PIPE16	VALVE	BUNIF				Release 5.4
PRESSURE	96-32	PMETHOD	SHELL150	PRESSURE					Release 5.3

KEYWORD	ERROR REPORT NUMBER	COMPLETE KEYWORD LIST						VERSION CORRECTED
PRNSOL	96-06	GRAPHICS	POST1	PRNSOL	PLNSOL			Release 5.3
PRNSOL PLNSOL	96-01	POST1	SHELL	NONLINEAR	PDEF	ETABLE	PRNSOL PLNSOL	Release 5.3
PSTRESS,ON	96-53	PIPE20	ELEM20	STRESS STIFFEN	ANTYPE,BUCKLE	SSTIF,ON	PSTRESS,ON	Release 5.4
RAD VIEW FACTORS	95-41	AUX12	RAD VIEW FACTOR	NON-HIDDEN MET				Rev. 5.3
RAMP TO ZERO	96-16	IMPOSED DOF	RAMP TO ZERO					Release 5.3
RAMPED B.C.	95-63	THERMAL	CONVECTION	RAMPED B.C.	AUTO TIME STEP			Rev. 5.3
REAL CONSTANTS	95-58	GUI	BEAM44	REAL CONSTANTS				Rev. 5.3
RESISTIVITY	96-12	SOLID97	SOLID62	ELEM97	ELEM62	RESISTIVITY	ESYS	Release 5.3
RESTART	96-08	RESTART	POST1	SET				Release 5.3
RESULTS FILE	96-36	FLOTRAN	ELEMENT141	ELEMENT142	RESULTS FILE	DENSITY		5.3 User Manual
RIGID	95-59	SUBSPACE	RIGID					Rev. 5.3
SAVE	96-44	SAVE	LOADS	INITIAL CONDIT	/EXIT			Release 5.4
SELECT	96-52	DOCUMENTATION	SELECT					5.4 User Manual
SET	95-60	GRAPHICS	POST1	SET	POWERGRAPHICS	SYSTEM		Rev. 5.3
SET	96-08	RESTART	POST1	SET				Release 5.3
SF SFE	96-28	ELEM142	FLUID142	FLOTRAN	TETRAHEDRON	SF SFE	HEAT TRANSFER	Release 5.3
SFA	96-37	SFA	BOUNDARY CONDIT	SOLID MODEL	TRANSFER			Release 5.3
SFE	96-25	ELEM34	CONVECTION LINK	KEYOPT(3)=2	SFE			Release 5.3
SHELL	96-01	POST1	SHELL	NONLINEAR	PDEF	ETABLE	PRNSOL PLNSOL	Release 5.3
SHELL150	96-32	PMETHOD	SHELL150	PRESSURE				Release 5.3
SHELL150	96-41	ELEM150	SHELL150	ELEMENT VOLUME	ETABLE	*GET		Release 5.4
SHELL63	96-14	SHELL63	ELEM63	THERMAL LOAD	NEWTON-RAPHSON			Release 5.3
SHELL63	96-26	SHELL63	KEYOPT(3)=2	ALLMAN ROTATIO	BUCKLING	STRESS STIFFEN		Release 5.3
SOLID MODEL	96-37	SFA	BOUNDARY CONDIT	SOLID MODEL	TRANSFER			Release 5.3
SOLID MODELLING	96-38	SOLID MODELLING	BOOLEAN	SUBTRACT	ASBL			Release 5.4
SOLID62	96-12	SOLID97	SOLID62	ELEM97	ELEM62	RESISTIVITY	ESYS	Release 5.3
SOLID97	96-12	SOLID97	SOLID62	ELEM97	ELEM62	RESISTIVITY	ESYS	Release 5.3
SPECTRUM	95-62	SPECTRUM	SPRS	DSUM				Rev. 5.3
SPRS	95-62	SPECTRUM	SPRS	DSUM				Rev. 5.3
SSTIF,ON	96-53	PIPE20	ELEM20	STRESS STIFFEN	ANTYPE,BUCKLE	SSTIF,ON	PSTRESS,ON	Release 5.4
STRESS STIFFENIN	96-26	SHELL63	KEYOPT(3)=2	ALLMAN ROTATIO	BUCKLING	STRESS STIFFEN		Release 5.3
STRESS STIFFENIN	96-53	PIPE20	ELEM20	STRESS STIFFEN	ANTYPE,BUCKLE	SSTIF,ON	PSTRESS,ON	Release 5.4
SUBSPACE	95-59	SUBSPACE	RIGID					Rev. 5.3
SUBSTRUCTURES	96-07	SUPERELEMENTS	SUBSTRUCTURES	COMBIN40	ELEM40			Release 5.3
SUBSTRUCTURES	96-13	SUBSTRUCTURES	TOTAL COMMAND					Release 5.3
SUBTRACT	96-29	BOOLEAN	SUBTRACT	MESH				Release 5.3
SUBTRACT	96-38	SOLID MODELLING	BOOLEAN	SUBTRACT	ASBL			Release 5.4
SUPERELEMENTS	96-07	SUPERELEMENTS	SUBSTRUCTURES	COMBIN40	ELEM40			Release 5.3

KEYWORD	ERROR REPORT NUMBER	COMPLETE KEYWORD LIST							VERSION CORRECTED
SUPERELEMENTS	96-43	MATRIX50	SUPERELEMENTS	COUPLED DOF	NONZERO CONSTR				Release 5.4
SYSTEM	95-60	GRAPHICS	POST1	SET	POWERGRAPHICS	SYSTEM			Rev. 5.3
TETRAHEDRON	96-28	ELEM142	FLUID142	FLOTRAN	TETRAHEDRON	SF	SFE	HEAT TRANSFER	Release 5.3
THERMAL	95-63	THERMAL	CONVECTION	RAMPED B.C.	AUTO TIME STEP				Rev. 5.3
THERMAL	96-20	THERMAL	CONVECTION	DELETE FILM CO					Release 5.3
THERMAL ANALYSIS	96-02 R1	THERMAL ANALYSIS	KZZ	ORTHOTROPIC MA	MATRIX REUSE				Release 5.3
THERMAL EXPANSIO	96-46	CFD	THERMAL EXPANSI	FLUID141	FLUID142				Release 5.4
THERMAL LOAD	96-14	SHELL63	ELEM63	THERMAL LOAD	NEWTON-RAPHSON				Release 5.3
THERMAL PHASE CH	96-09	THERMAL PHASE CH	PARALLEL PROCES						Release 5.3
TOTAL COMMAND	96-13	SUBSTRUCTURES	TOTAL COMMAND						Release 5.3
TRANSFER	96-37	SFA	BOUNDARY CONDIT	SOLID MODEL	TRANSFER				Release 5.3
TRANSIENT	96-21	TRANSIENT	DAMPING	MULTI-FIELD					Release 5.3
VALVE	96-40	PREP7	PIPE16	VALVE	BUNIF				Release 5.4
VSUM	96-33	ASUM	VSUM						Release 5.3

ANSYS 5.2 CLASS3 ERROR SUMMARY BY REPORT NUMBER

ERROR NUMBER	KEYWORD #1	KEYWORD #2	KEYWORD #3	KEYWORD #4	KEYWORD #5	KEYWORD #6	CORRECTED VERSION
95-37 R1	FLOTRAN	FLUID142	ELEM142				Release 5.4
95-39 R1	FLOTRAN	ELEM142	FLUID142				Release 5.4
95-41	AUX12	RAD VIEW FACTOR	NON-HIDDEN METH				Rev. 5.3
95-49 R1	FLOTRAN	ELEM141	ELEM142				Release 5.4
95-55 R1	POST1	ESEL	MULTIPLE SOLUTI				5.3 User Manual
95-56	MODAL	DAMPED					Rev. 5.3
95-57	BEAM24	ELEM24					Rev. 5.3
95-58	GUI	BEAM44	REAL CONSTANTS				Rev. 5.3
95-59	SUBSPACE	RIGID					Rev. 5.3
95-60	GRAPHICS	POST1	SET	POWERGRAPHICS	SYSTEM		Rev. 5.3
95-61	POST1	LCASE	LCFACT				Rev. 5.3
95-62	SPECTRUM	SPRS	DSUM				Rev. 5.3
95-63	THERMAL	CONVECTION	RAMPED B.C.	AUTO TIME STEP			Rev. 5.3
96-01	POST1	SHELL	NONLINEAR	PDEF	ETABLE	PRNSOL PLNSOL	Release 5.3
96-02 R1	THERMAL ANALYSI	KZZ	ORTHOTROPIC MAT	MATRIX REUSE			Release 5.3
96-03	MATERIAL PROP	BEAM ELEMENTS	PIPE ELEMENTS				Release 5.3
96-04	KMODIF	BOUNDARY COND					Release 5.3
96-05	DOCU	FLUID66	ELEM66				5.3 User Manual
96-06	GRAPHICS	POST1	PRNSOL	PLNSOL			Release 5.3
96-07	SUPERELEMENTS	SUBSTRUCTURES	COMBIN40	ELEM40			Release 5.3
96-08	RESTART	POST1	SET				Release 5.3
96-09	THERMAL PHASE C	PARALLEL PROCES					Release 5.3
96-10	POST1	LCWRIT	LCOPER				Release 5.3
96-11	POST1	ETABLE	EMID				Release 5.3
96-12	SOLID97	SOLID62	ELEM97	ELEM62	RESISTIVITY	ESYS	Release 5.3
96-13	SUBSTRUCTURES	TOTAL COMMAND					Release 5.3
96-14	SHELL63	ELEM63	THERMAL LOAD	NEWTON-RAPHSON			Release 5.3
96-15	GP	LSWRITE	LSSOLVE				Release 5.3
96-16	IMPOSED DOF	RAMP TO ZERO					Release 5.3
96-17	MODAL ANALYSIS	LARGE DEFLECTIO					Release 5.3
96-19	P-METHOD	PCONV	NODE COMPONENT				Release 5.3
96-20	THERMAL	CONVECTION	DELETE FILM COE				Release 5.3
96-21	TRANSIENT	DAMPING	MULTI-FIELD				Release 5.3
96-22	KGEN	KSYM	KTRA	KSEL	KSLL	KSLN	Release 5.3
96-23	PLANE78	MODE>0	HFLUX				Release 5.3
96-24	POST1	HARMONIC	IMAGINARY SOLUT				Release 5.3
96-25	ELEM34	CONVECTION LINK	KEYOPT(3)=2	SFE			Release 5.3

ANSYS 5.2 CLASS3 ERROR SUMMARY BY REPORT NUMBER

ERROR NUMBER	KEYWORD #1	KEYWORD #2	KEYWORD #3	KEYWORD #4	KEYWORD #5	KEYWORD #6	CORRECTED VERSION
96-26	SHELL63	KEYOPT(3)=2	ALLMAN ROTATION	BUCKLING	STRESS STIFFENI		Release 5.3
96-27	LCOMB	NUMSTR					Release 5.3
96-28	ELEM142	FLUID142	FLOTRAN	TETRAHEDRON	SF SFE	HEAT TRANSFER	Release 5.3
96-29	BOOLEAN	SUBTRACT	MESH				Release 5.3
96-30	GCGEN	CONTACT	ELEM48				Release 5.3
96-31	FLUID66	ELEM66	HGEN	KBC,0			Release 5.3
96-32	PMETHOD	SHELL150	PRESSURE				Release 5.3
96-33	ASUM	VSUM					Release 5.3
96-34	APDL	ARNODE					Release 5.3
96-35	EMAG	ELEM53	PLANE53	CIRCUIT			Release 5.3
96-36	FLOTRAN	ELEMENT141	ELEMENT142	RESULTS FILE	DENSITY		5.3 User Manual
96-37	SFA	BOUNDARY CONDIT	SOLID MODEL	TRANSFER			Release 5.3
96-38	SOLID MODELLING	BOOLEAN	SUBTRACT	ASBL			Release 5.4
96-39	APDL	ARFACE	*GET				Release 5.4
96-40	PREP7	PIPE16	VALVE	BUNIF			Release 5.4
96-41	ELEM150	SHELL150	ELEMENT VOLUME	ETABLE	*GET		Release 5.4
96-43	MATRIX50	SUPERELEMENTS	COUPLED DOF	NONZERO CONSTRA			Release 5.4
96-44	SAVE	LOADS	INITIAL CONDITI	/EXIT			Release 5.4
96-46	CFD	THERMAL EXPANSI	FLUID141	FLUID142			Release 5.4
96-52	DOCUMENTATION	SELECT					5.4 User Manual
96-53	PIPE20	ELEM20	STRESS STIFFENI	ANTYPE,BUCKLE	SSTIF,ON	PSTRESS,ON	Release 5.4

ANSYS 5.3 CLASS3 ERROR SUMMARY

KEYWORD SORT OF ALL REVISION 5.3 CLASS3 ERRORS
Date of this report: 1/ 4/97

KEYWORD	ERROR REPORT NUMBER	COMPLETE KEYWORD LIST						VERSION CORRECTED
*GET	96-39	APDL	ARFACE	*GET				Release 5.4
*GET	96-41	ELEM150	SHELL150	ELEMENT VOLUME	ETABLE	*GET		Release 5.4
/CLEAR	96-47	/CLEAR	DEC-ALPHA	PARA[illegible]				Release 5.4
/EXIT	96-44	SAVE	LOADS	IN[illegible] CONDIT	/EXIT			Release 5.4
/GRAPHICS,POWER	96-51	/GRAPHICS,POWER	POST1	LCOPER	PLNSOL			Release 5.4
ANTYPE,BUCKLE	96-53	PIPE20	ELEM20	STRESS STIFFEN	ANTYPE,BUCKLE	SSTIF,ON	PSTRESS,ON	Release 5.4
APDL	96-39	APDL	ARFACE	*GET				Release 5.4
ARFACE	96-39	APDL	ARFACE	*GET				Release 5.4
ASBL	96-38	SOLID MODELLING	BOOLEAN	SUBTRACT	ASBL			Release 5.4
BOOLEAN	96-38	SOLID MODELLING	BOOLEAN	SUBTRACT	ASBL			Release 5.4
BUNIF	96-40	PREP7	PIPE16	VALVE	BUNIF			Release 5.4
CFD	96-46	CFD	THERMAL EXPANSI	FLUID141	FLUID142			Release 5.4
CONSTRAINT EQUAT	96-42	CONSTRAINT EQUAT	MODAL	ITERATIVE SOLV				Release 5.4
COUPLED DOF	96-43	MATRIX50	SUPERELEMENTS	COUPLED DOF	NONZERO CONSTR			Release 5.4
CURVED EDGES	96-50	SOLID92	PLANE2	SOLID87	CURVED EDGES			Release 5.4
DEC-ALPHA	96-47	/CLEAR	DEC-ALPHA	PARALLEL				Release 5.4
DOCUMENTATION	96-52	DOCUMENTATION	SELECT					5.4 User Manual
EDLOAD	96-48	LSDYNA	EDLOAD					Release 5.4
ELEM141	95-49 R1	FLOTRAN	ELEM141	ELEM142				Release 5.4
ELEM142	95-37 R1	FLOTRAN	FLUID142	ELEM142				Release 5.4
ELEM142	95-39 R1	FLOTRAN	ELEM142	FLUID142				Release 5.4
ELEM142	95-49 R1	FLOTRAN	ELEM141	ELEM142				Release 5.4
ELEM150	96-41	ELEM150	SHELL150	ELEMENT VOLUME	ETABLE	*GET		Release 5.4
ELEM20	96-53	PIPE20	ELEM20	STRESS STIFFEN	ANTYPE,BUCKLE	SSTIF,ON	PSTRESS,ON	Release 5.4
ELEMENT VOLUME	96-41	ELEM150	SHELL150	ELEMENT VOLUME	ETABLE	*GET		Release 5.4
EQSLV,ITER	96-45	FASTSOLVER	EQSLV,ITER	LSSOLVE	RAMPING			Release 5.4
ETABLE	96-41	ELEM150	SHELL150	ELEMENT VOLUME	ETABLE	*GET		Release 5.4
FASTSOLVER	96-45	FASTSOLVER	EQSLV,ITER	LSSOLVE	RAMPING			Release 5.4
FLOTRAN	95-37 R1	FLOTRAN	FLUID142	ELEM142				Release 5.4
FLOTRAN	95-39 R1	FLOTRAN	ELEM142	FLUID142				Release 5.4
FLOTRAN	95-49 R1	FLOTRAN	ELEM141	ELEM142				Release 5.4
FLUID141	96-46	CFD	THERMAL EXPANSI	FLUID141	FLUID142			Release 5.4
FLUID142	95-37 R1	FLOTRAN	FLUID142	ELEM142				Release 5.4

KEYWORD	ERROR REPORT NUMBER	COMPLETE KEYWORD LIST						VERSION CORRECTED
FLUID142	95-39 R1	FLOTRAN	ELEM142	FLUID142				Release 5.4
FLUID142	96-46	CFD	THERMAL EXPANSI	FLUID141	FLUID142			Release 5.4
INITIAL CONDITIO	96-44	SAVE	LOADS	INITIAL CONDIT	/EXIT			Release 5.4
ITERATIVE SOLVER	96-42	CONSTRAINT EQUAT	MODAL	ITERATIVE SOLV				Release 5.4
LCOPER	96-51	/GRAPHICS,POWER	POST1	LCOPER	PLNSOL			Release 5.4
LOADS	96-44	SAVE	LOADS	INITIAL CONDIT	/EXIT			Release 5.4
LSDYNA	96-48	LSDYNA	EDLOAD					Release 5.4
LSDYNA	96-49	LSDYNA	ROTATED NODES					Release 5.4
LSSOLVE	96-45	FASTSOLVER	EQSLV,ITER	LSSOLVE	RAMPING			Release 5.4
MATRIX50	96-43	MATRIX50	SUPERELEMENTS	COUPLED DOF	NONZERO CONSTR			Release 5.4
MODAL	96-42	CONSTRAINT EQUAT	MODAL	ITERATIVE SOLV				Release 5.4
NONZERO CONSTRAI	96-43	MATRIX50	SUPERELEMENTS	COUPLED DOF	NONZERO CONSTR			Release 5.4
PARALLEL	96-47	/CLEAR	DEC-ALPHA	PARALLEL				Release 5.4
PIPE16	96-40	PREP7	PIPE16	VALVE	BUNIF			Release 5.4
PIPE20	96-53	PIPE20	ELEM20	STRESS STIFFEN	ANTYPE,BUCKLE	SSTIF,ON	PSTRESS,ON	Release 5.4
PLANE2	96-50	SOLID92	PLANE2	SOLID87	CURVED EDGES			Release 5.4
PLNSOL	96-51	/GRAPHICS,POWER	POST1	LCOPER	PLNSOL			Release 5.4
POST1	96-51	/GRAPHICS,POWER	POST1	LCOPER	PLNSOL			Release 5.4
PREP7	96-40	PREP7	PIPE16	VALVE	BUNIF			Release 5.4
PSTRESS,ON	96-53	PIPE20	ELEM20	STRESS STIFFEN	ANTYPE,BUCKLE	SSTIF,ON	PSTRESS,ON	Release 5.4
RAMPING	96-45	FASTSOLVER	EQSLV,ITER	LSSOLVE	RAMPING			Release 5.4
ROTATED NODES	96-49	LSDYNA	ROTATED NODES					Release 5.4
SAVE	96-44	SAVE	LOADS	INITIAL CONDIT	/EXIT			Release 5.4
SELECT	96-52	DOCUMENTATION	SELECT					5.4 User Manual
SHELL150	96-41	ELEM150	SHELL150	ELEMENT VOLUME	ETABLE	*GET		Release 5.4
SOLID MODELLING	96-38	SOLID MODELLING	BOOLEAN	SUBTRACT	ASBL			Release 5.4
SOLID87	96-50	SOLID92	PLANE2	SOLID87	CURVED EDGES			Release 5.4
SOLID92	96-50	SOLID92	PLANE2	SOLID87	CURVED EDGES			Release 5.4
SSTIF,ON	96-53	PIPE20	ELEM20	STRESS STIFFEN	ANTYPE,BUCKLE	SSTIF,ON	PSTRESS,ON	Release 5.4
STRESS STIFFENIN	96-53	PIPE20	ELEM20	STRESS STIFFEN	ANTYPE,BUCKLE	SSTIF,ON	PSTRESS,ON	Release 5.4
SUBTRACT	96-38	SOLID MODELLING	BOOLEAN	SUBTRACT	ASBL			Release 5.4
SUPERELEMENTS	96-43	MATRIX50	SUPERELEMENTS	COUPLED DOF	NONZERO CONSTR			Release 5.4
THERMAL EXPANSIO	96-46	CFD	THERMAL EXPANSI	FLUID141	FLUID142			Release 5.4
VALVE	96-40	PREP7	PIPE16	VALVE	BUNIF			Release 5.4

ANSYS 5.2 CLASS3 ERROR SUMMARY

KEYWORD SORT OF ALL REVISION 5.2 CLASS3 ERRORS
Date of this report: 1/ 4/97

KEYWORD	ERROR REPORT NUMBER	COMPLETE KEYWORD LIST					VERSION CORRECTED
*GET	96-39	APDL	ARFACE	*GET			Release 5.4
*GET	96-41	ELEM150	SHELL150	ELEMENT VOLUME ETABLE	*GET		Release 5.4
/EXIT	96-44	SAVE	LOADS	INITIAL CONDIT /EXIT			Release 5.4
ALLMAN ROTATION	96-26	SHELL63	KEYOPT(3)=2	ALLMAN ROTATIO BUCKLING	STRESS STIFFEN		Release 5.3
ANTYPE,BUCKLE	96-53	PIPE20	ELEM20	STRESS STIFFEN ANTYPE,BUCKLE	SSTIF,ON	PSTRESS,ON	Release 5.4
APDL	96-34	APDL	ARNODE				Release 5.3
APDL	96-39	APDL	ARFACE	*GET			Release 5.4
ARFACE	96-39	APDL	ARFACE	*GET			Release 5.4
ARNODE	96-34	APDL	ARNODE				Release 5.3
ASBL	96-38	SOLID MODELLING	BOOLEAN	SUBTRACT	ASBL		Release 5.4
ASUM	96-33	ASUM	VSUM				Release 5.3
AUTO TIME STEP	95-63	THERMAL	CONVECTION	RAMPED B.C.	AUTO TIME STEP		Rev. 5.3
AUX12	95-41	AUX12	RAD VIEW FACTOR	NON-HIDDEN MET			Rev. 5.3
BEAM ELEMENTS	96-03	MATERIAL PROP	BEAM ELEMENTS	PIPE ELEMENTS			Release 5.3
BEAM24	95-57	BEAM24	ELEM24				Rev. 5.3
BEAM44	95-58	GUI	BEAM44	REAL CONSTANTS			Rev. 5.3
BOOLEAN	96-29	BOOLEAN	SUBTRACT	MESH			Release 5.3
BOOLEAN	96-38	SOLID MODELLING	BOOLEAN	SUBTRACT	ASBL		Release 5.4
BOUNDARY COND	96-04	KMODIF	BOUNDARY COND				Release 5.3
BOUNDARY CONDITI	96-37	SFA	BOUNDARY CONDIT	SOLID MODEL	TRANSFER		Release 5.3
BUCKLING	96-26	SHELL63	KEYOPT(3)=2	ALLMAN ROTATIO BUCKLING	STRESS STIFFEN		Release 5.3
BUNIF	96-40	PREP7	PIPE16	VALVE	BUNIF		Release 5.4
CFD	96-46	CFD	THERMAL EXPANSI	FLUID141	FLUID142		Release 5.4
CIRCUIT	96-35	EMAG	ELEM53	PLANE53	CIRCUIT		Release 5.3
COMBIN40	96-07	SUPERELEMENTS	SUBSTRUCTURES	COMBIN40	ELEM40		Release 5.3
CONTACT	96-30	GCGEN	CONTACT	ELEM48			Release 5.3
CONVECTION	95-63	THERMAL	CONVECTION	RAMPED B.C.	AUTO TIME STEP		Rev. 5.3
CONVECTION	96-20	THERMAL	CONVECTION	DELETE FILM CO			Release 5.3
CONVECTION LINK	96-25	ELEM34	CONVECTION LINK	KEYOPT(3)=2	SFE		Release 5.3
COUPLED DOF	96-43	MATRIX50	SUPERELEMENTS	COUPLED DOF	NONZERO CONSTR		Release 5.4
DAMPED	95-56	MODAL	DAMPED				Rev. 5.3
DAMPING	96-21	TRANSIENT	DAMPING	MULTI-FIELD			Release 5.3
DELETE FILM COEF	96-20	THERMAL	CONVECTION	DELETE FILM CO			Release 5.3

KEYWORD	ERROR REPORT NUMBER	COMPLETE KEYWORD LIST							VERSION CORRECTED
DENSITY	96-36	FLOTRAN	ELEMENT141	ELEMENT142	RESULTS FILE	DENSITY			5.3 User Manual
DOCU	96-05	DOCU	FLUID66	ELEM66					5.3 User Manual
DOCUMENTATION	96-52	DOCUMENTATION	SELECT						5.4 User Manual
DSUM	95-62	SPECTRUM	SPRS	DSUM					Rev. 5.3
ELEM141	95-49 R1	FLOTRAN	ELEM141	ELEM142					Release 5.4
ELEM142	95-37 R1	FLOTRAN	FLUID142	ELEM142					Release 5.4
ELEM142	95-39 R1	FLOTRAN	ELEM142	FLUID142					Release 5.4
ELEM142	95-49 R1	FLOTRAN	ELEM141	ELEM142					Release 5.4
ELEM142	96-28	ELEM142	FLUID142	FLOTRAN	TETRAHEDRON	SF SFE		HEAT TRANSFER	Release 5.3
ELEM150	96-41	ELEM150	SHELL150	ELEMENT VOLUME	ETABLE	*GET			Release 5.4
ELEM20	96-53	PIPE20	ELEM20	STRESS STIFFEN	ANTYPE,BUCKLE	SSTIF,ON		PSTRESS,ON	Release 5.4
ELEM24	95-57	BEAM24	ELEM24						Rev. 5.3
ELEM34	96-25	ELEM34	CONVECTION LINK	KEYOPT(3)=2	SFE				Release 5.3
ELEM40	96-07	SUPERELEMENTS	SUBSTRUCTURES	COMBIN40	ELEM40				Release 5.3
ELEM48	96-30	GCGEN	CONTACT	ELEM48					Release 5.3
ELEM53	96-35	EMAG	ELEM53	PLANE53	CIRCUIT				Release 5.3
ELEM62	96-12	SOLID97	SOLID62	ELEM97	ELEM62	RESISTIVITY		ESYS	Release 5.3
ELEM63	96-14	SHELL63	ELEM63	THERMAL LOAD	NEWTON-RAPHSON				Release 5.3
ELEM66	96-05	DOCU	FLUID66	ELEM66					5.3 User Manual
ELEM66	96-31	FLUID66	ELEM66	HGEN	KBC,0				Release 5.3
ELEM97	96-12	SOLID97	SOLID62	ELEM97	ELEM62	RESISTIVITY		ESYS	Release 5.3
ELEMENT VOLUME	96-41	ELEM150	SHELL150	ELEMENT VOLUME	ETABLE	*GET			Release 5.4
ELEMENT141	96-36	FLOTRAN	ELEMENT141	ELEMENT142	RESULTS FILE	DENSITY			5.3 User Manual
ELEMENT142	96-36	FLOTRAN	ELEMENT141	ELEMENT142	RESULTS FILE	DENSITY			5.3 User Manual
EMAG	96-35	EMAG	ELEM53	PLANE53	CIRCUIT				Release 5.3
EMID	96-11	POST1	ETABLE	EMID					Release 5.3
ESEL	95-55 R1	POST1	ESEL	MULTIPLE SOLUT					5.3 User Manual
ESYS	96-12	SOLID97	SOLID62	ELEM97	ELEM62	RESISTIVITY		ESYS	Release 5.3
ETABLE	96-01	POST1	SHELL	NONLINEAR	PDEF	ETABLE		PRNSOL PLNSOL	Release 5.3
ETABLE	96-11	POST1	ETABLE	EMID					Release 5.3
ETABLE	96-41	ELEM150	SHELL150	ELEMENT VOLUME	ETABLE	*GET			Release 5.4
FLOTRAN	95-37 R1	FLOTRAN	FLUID142	ELEM142					Release 5.4
FLOTRAN	95-39 R1	FLOTRAN	ELEM142	FLUID142					Release 5.4
FLOTRAN	95-49 R1	FLOTRAN	ELEM141	ELEM142					Release 5.4
FLOTRAN	96-28	ELEM142	FLUID142	FLOTRAN	TETRAHEDRON	SF SFE		HEAT TRANSFER	Release 5.3
FLOTRAN	96-36	FLOTRAN	ELEMENT141	ELEMENT142	RESULTS FILE	DENSITY			5.3 User Manual
FLUID141	96-46	CFD	THERMAL EXPANSI	FLUID141	FLUID142				Release 5.4
FLUID142	95-37 R1	FLOTRAN	FLUID142	ELEM142					Release 5.4

ANSYS 5.3 CLASS3 ERROR SUMMARY BY REPORT NUMBER

ERROR NUMBER	KEYWORD #1	KEYWORD #2	KEYWORD #3	KEYWORD #4	KEYWORD #5	KEYWORD #6	CORRECTED VERSION
95-37 R1	FLOTRAN	FLUID142	ELEM142				Release 5.4
95-39 R1	FLOTRAN	ELEM142	FLUID142				Release 5.4
95-49 R1	FLOTRAN	ELEM141	ELEM142				Release 5.4
96-38	SOLID MODELLING	BOOLEAN	SUBTRACT	ASBL			Release 5.4
96-39	APDL	ARFACE	*GET				Release 5.4
96-40	PREP7	PIPE16	VALVE	BUNIF			Release 5.4
96-41	ELEM150	SHELL150	ELEMENT VOLUME	ETABLE	*GET		Release 5.4
96-42	CONSTRAINT EQUA	MODAL	ITERATIVE SOLVE				Release 5.4
96-43	MATRIX50	SUPERELEMENTS	COUPLED DOF	NONZERO CONSTRA			Release 5.4
96-44	SAVE	LOADS	INITIAL CONDITI	/EXIT			Release 5.4
96-45	FASTSOLVER	EQSLV.ITER	LSSOLVE	RAMPING			Release 5.4
96-46	CFD	THERMAL EXPANSI	FLUID141	FLUID142			Release 5.4
96-47	/CLEAR	DEC-ALPHA	PARALLEL				Release 5.4
96-48	LSDYNA	EDLOAD					Release 5.4
96-49	LSDYNA	ROTATED NODES					Release 5.4
96-50	SOLID92	PLANE2	SOLID87	CURVED EDGES			Release 5.4
96-51	/GRAPHICS,POWER	POSTI	LCOPER	PLNSOL			Release 5.4
96-52	DOCUMENTATION	SELECT					5.4 User Manual
96-53	PIPE20	ELEM20	STRESS STIFFENI	ANTYPE,BUCKLE	SSTIF,ON	PSTRESS,ON	Release 5.4