ENERCON SERVICES, INC.

Appendix TPad-TH to Calculation PGE-009-CALC-006

Originator: S. C. Tumminelli
Date: September 20, 2002
Revised: March 3, 2003

Appendix TPad-TH

This Appendix presents the ANSYS plots documenting the pad applied temperatures for the constrained model thermal stress analysis.

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SERVICES, INC.

Appendix TPad-TH to Calculation PGE-009-CALC-006

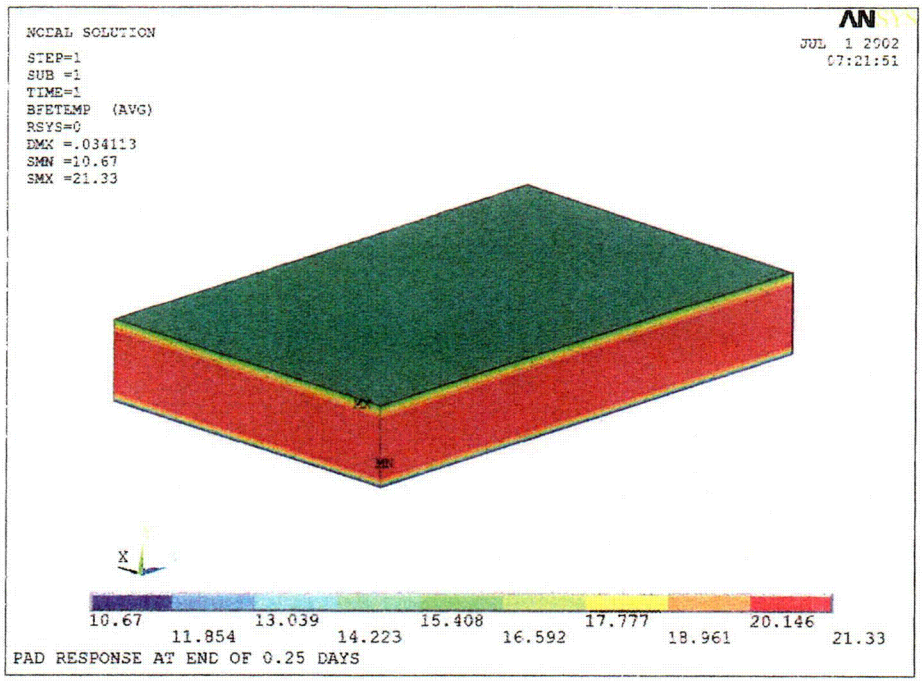

Figure T-1

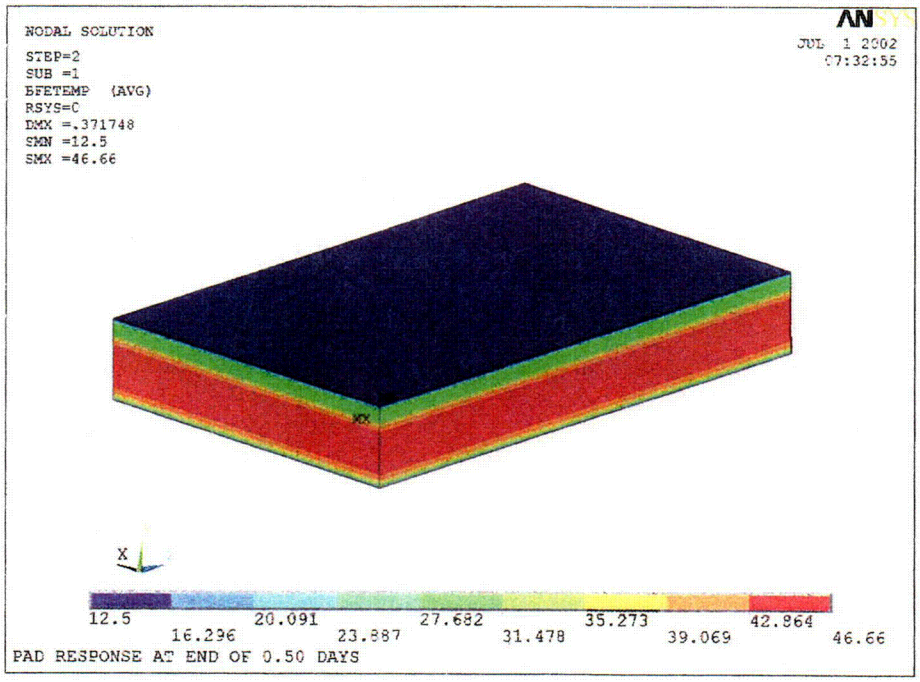

Figure T-2

C01

ENERCON SERVICES, INC.

Appendix TPad-TH to Calculation PGE-009-CALC-006

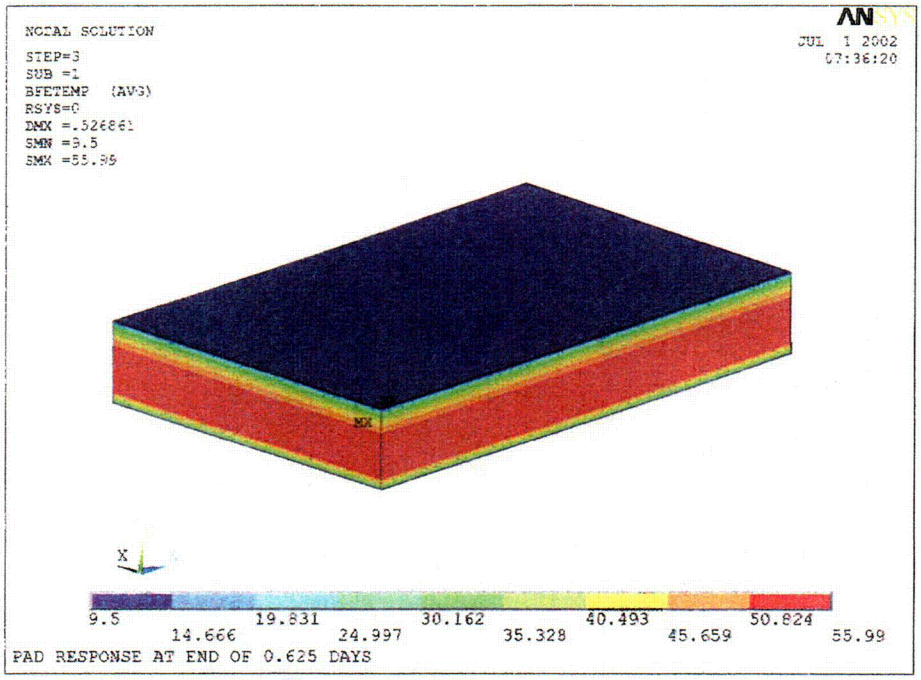

Figure T-3

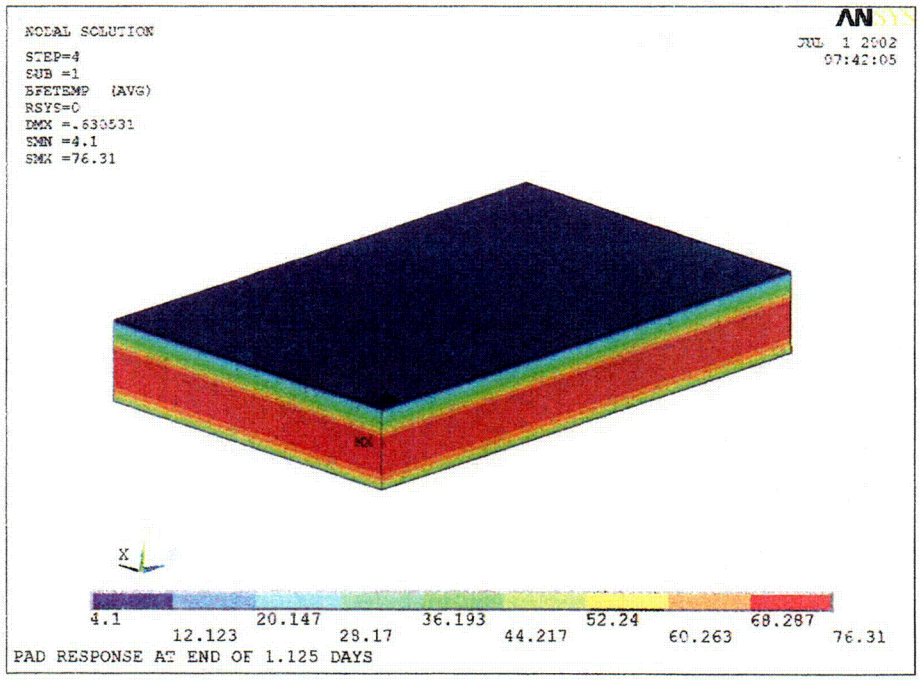

Figure T-4

C02

ENERCON SERVICES, INC.

Appendix TPad-TH to Calculation PGE-009-CALC-006

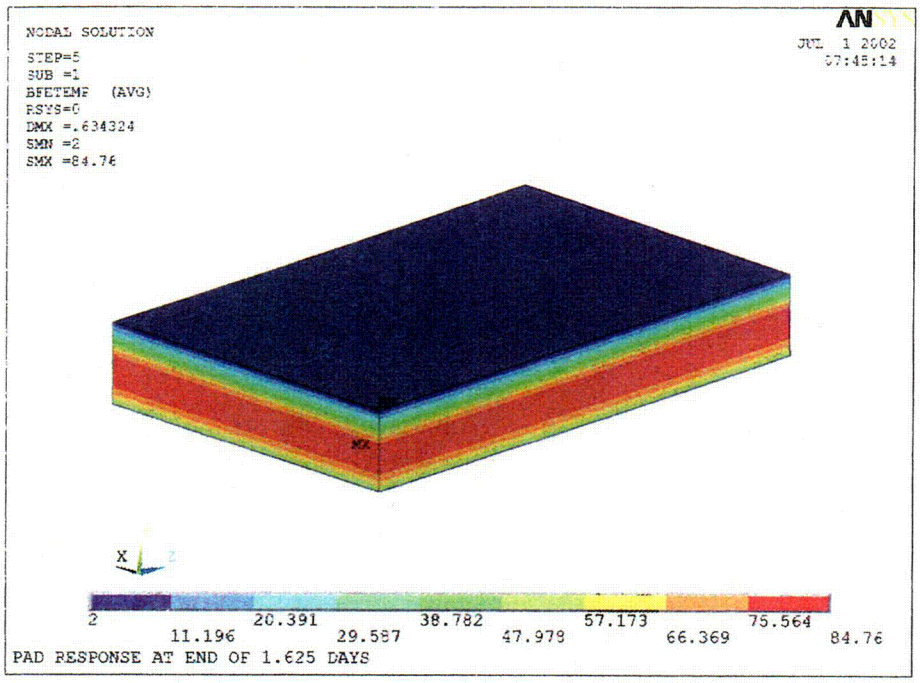

Figure T-5

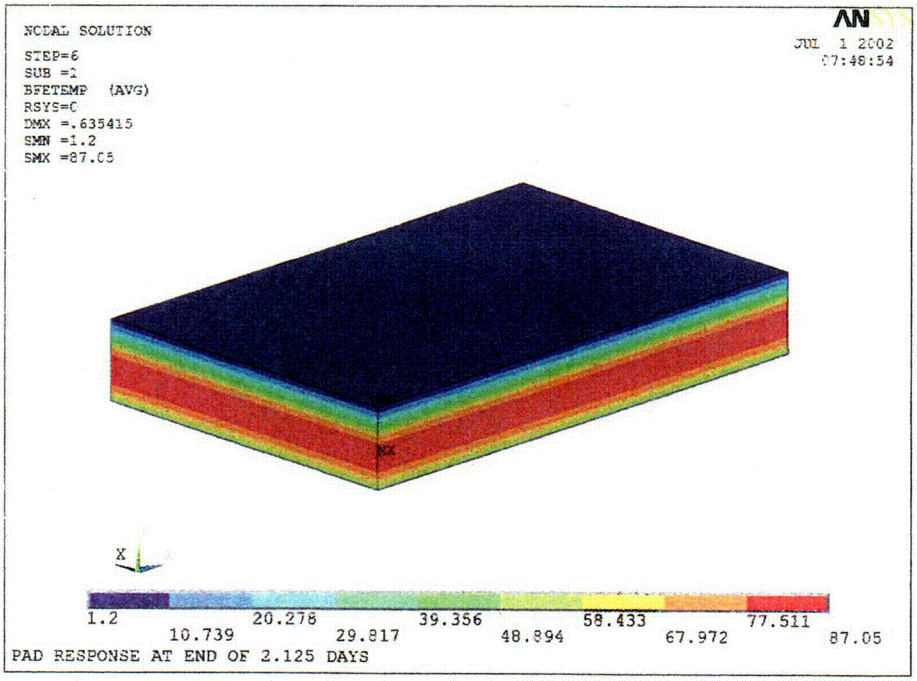

Figure T-6

C03

ENERCON SERVICES, INC.

Appendix TPad-TH to Calculation PGE-009-CALC-006

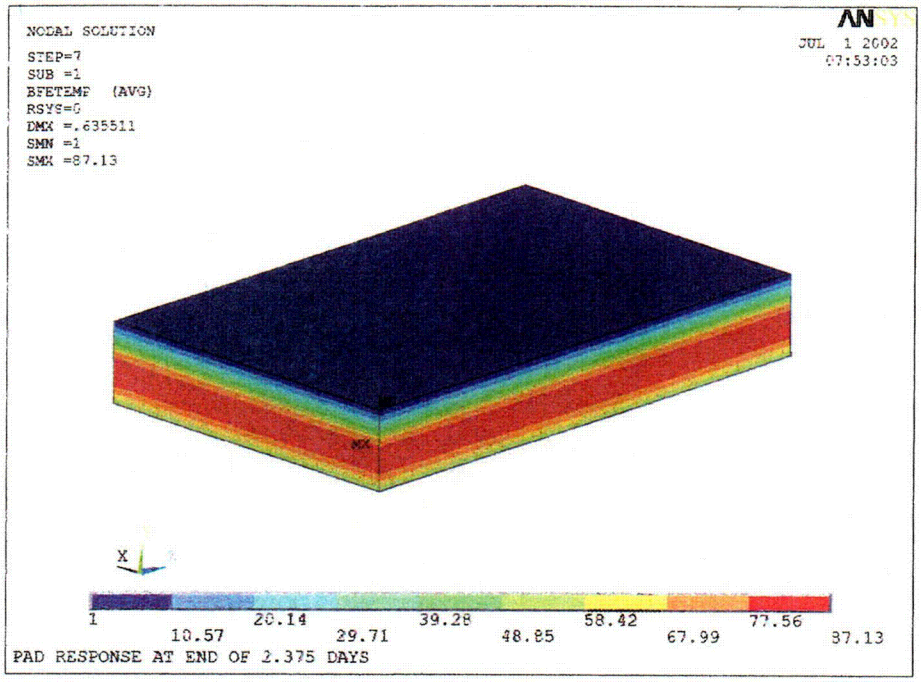

Figure T-7

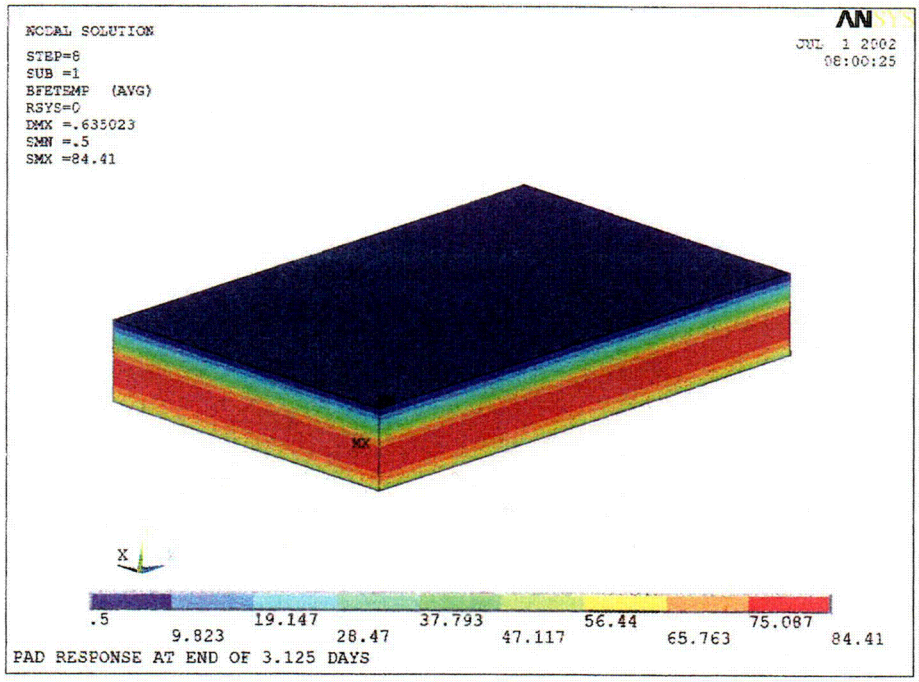

Figure T-8

C04

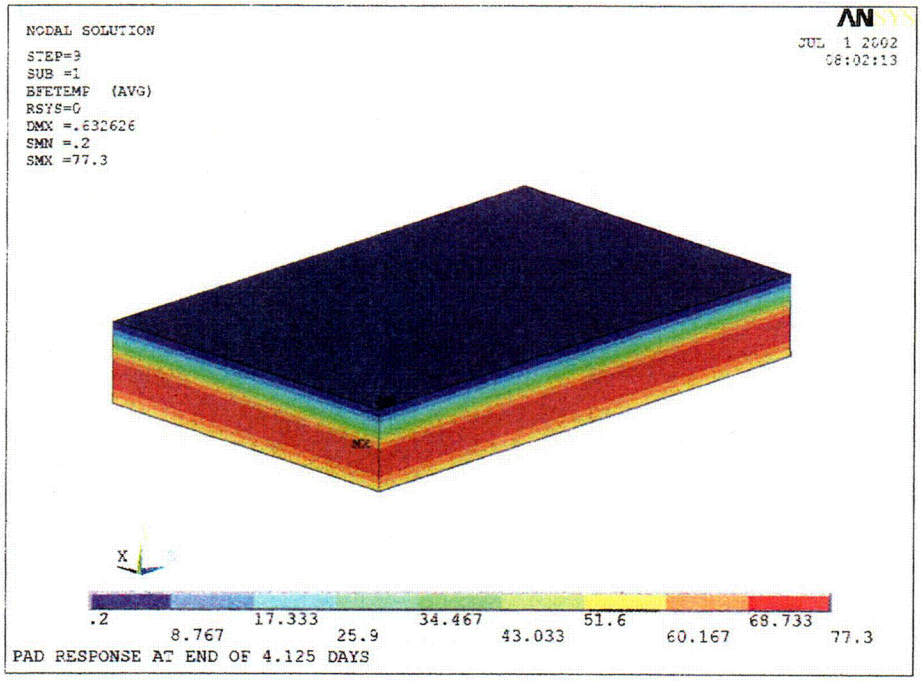

Figure T-9

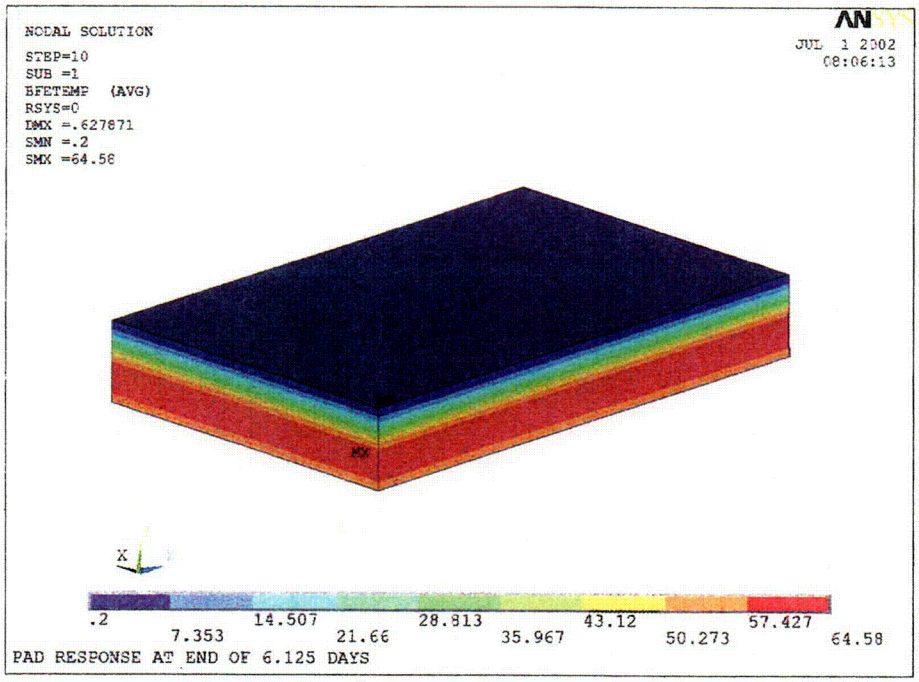

Figure T-10

ENERCON SERVICES, INC.

Appendix TPad-TH to Calculation PGE-009-CALC-006

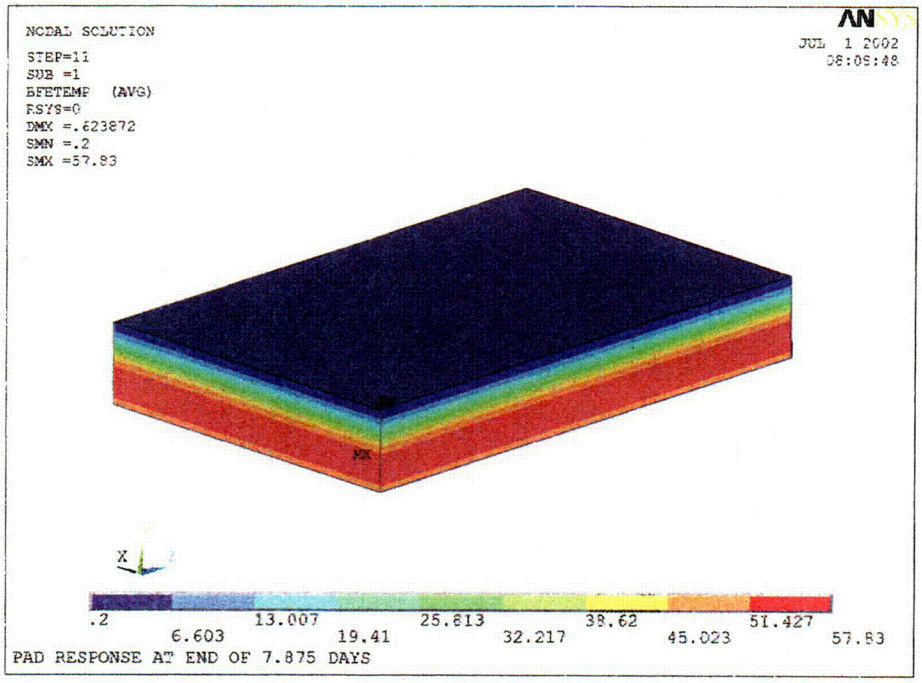

Figure T-11

C06

ENERCON SERVICES, INC.

Appendix LSPad-TH to Calculation PGE-009-CALC-006

Originator: S. C. Tumminelli
Date: September 20, 2002
Revised: March 3, 2003

Appendix LSPad-TH

This Appendix presents the ANSYS plots of the pad vertical displacements for the constrained model thermal stress analysis for the individual load steps.

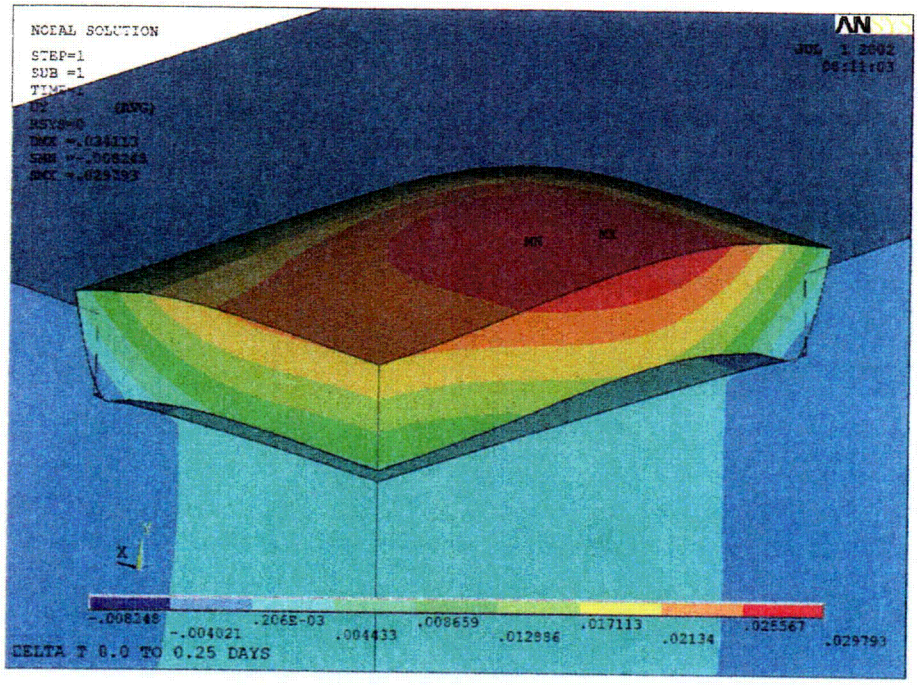

Figure LS-1 – Time 0.00 to 0.25 days

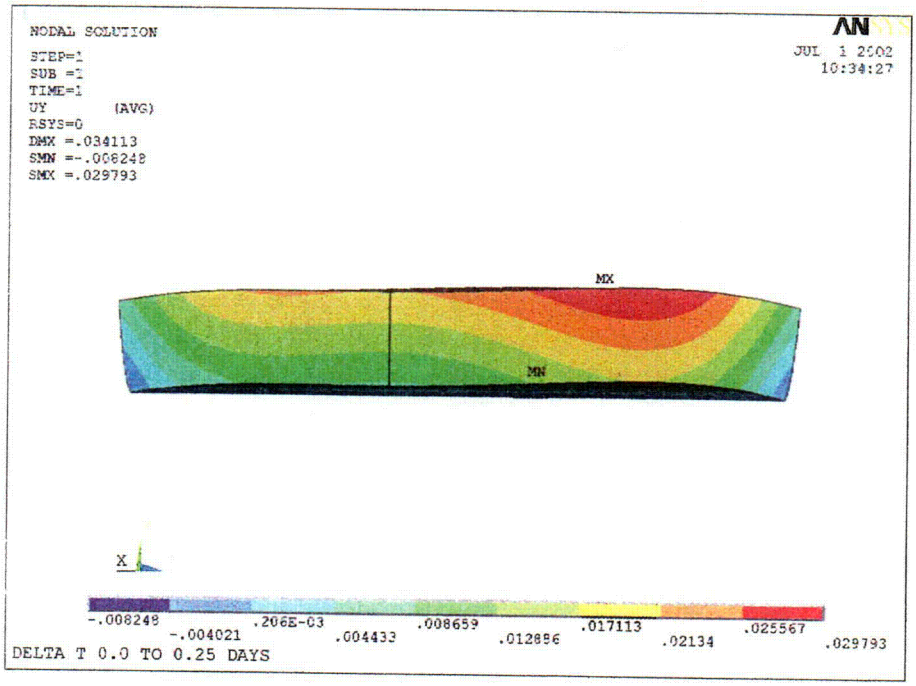

Figure LS-1A - Time 0.00 to 0.25 days

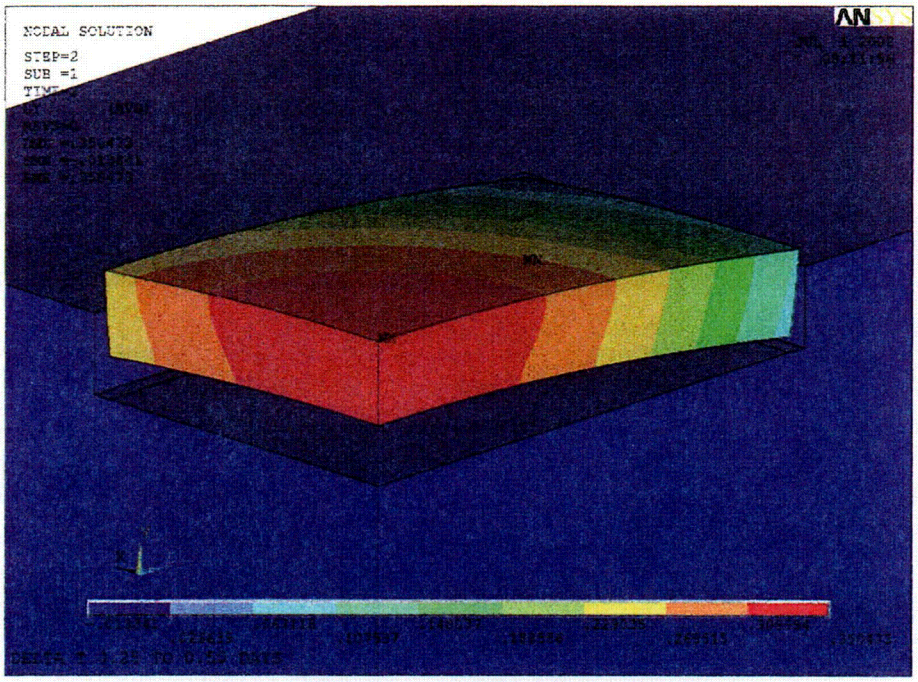

Figure LS-2 – Time 0.25 to 0.50 days

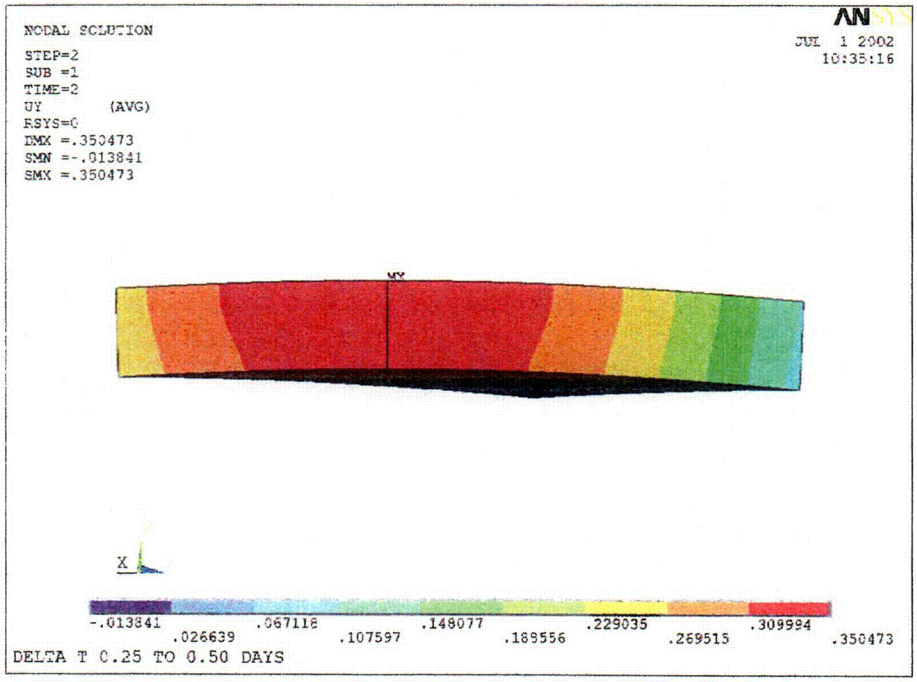

Figure LS-2A – Time 0.25 to 0.50 days

C08

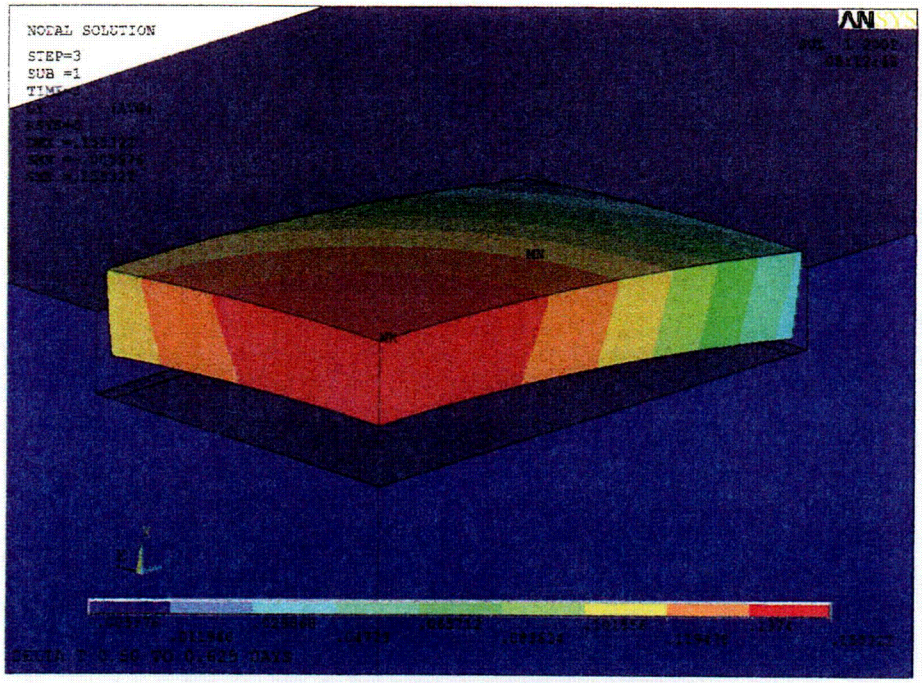

Figure LS-3 – Time 0.50 to 0.625 days

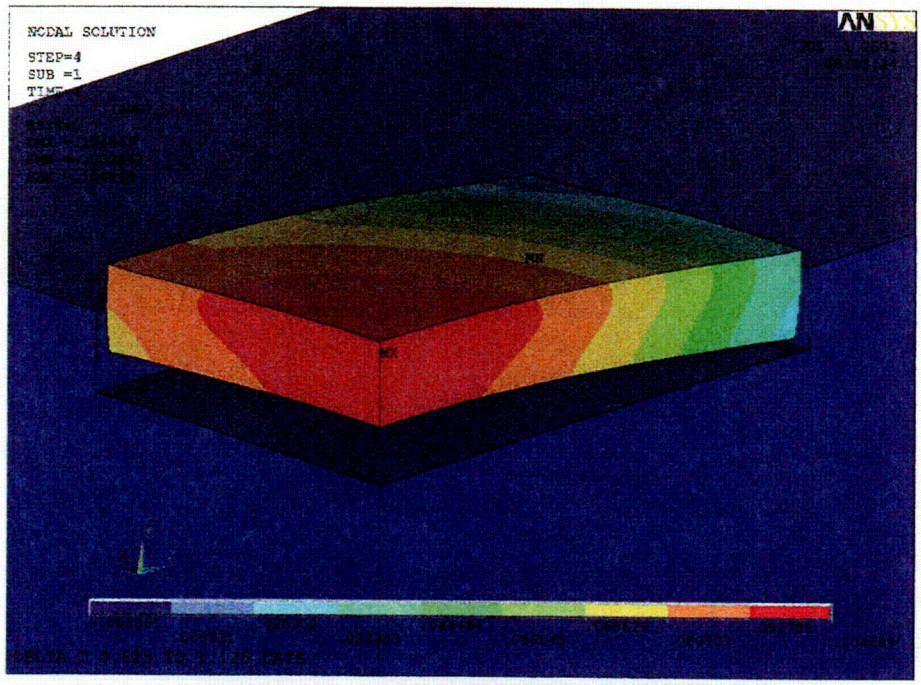

Figure LS-4 – Time 0.625 to 1.125 days

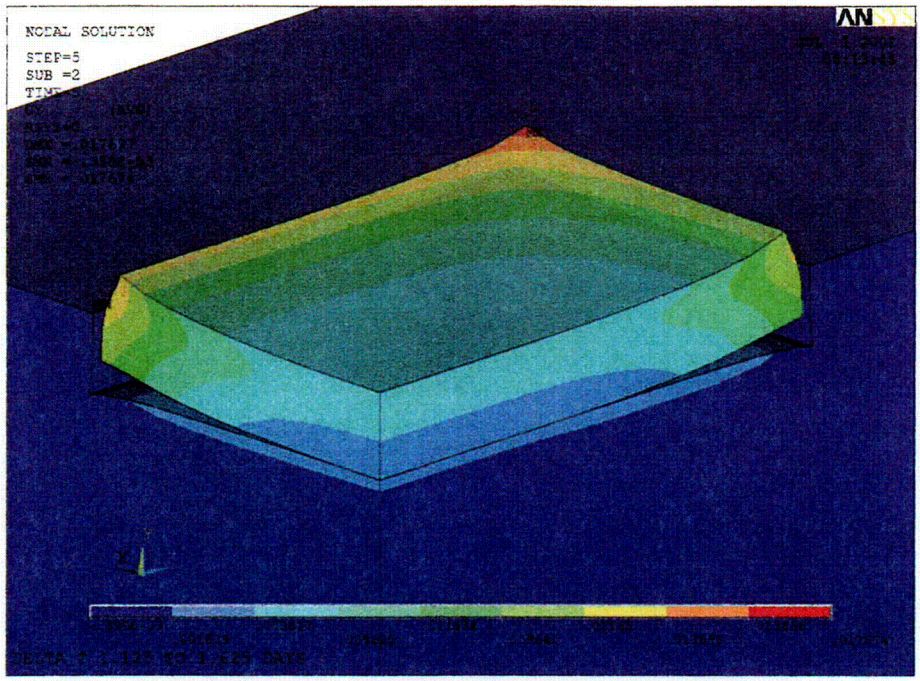

Figure LS-5 – Time 1.125 to 1.625 days

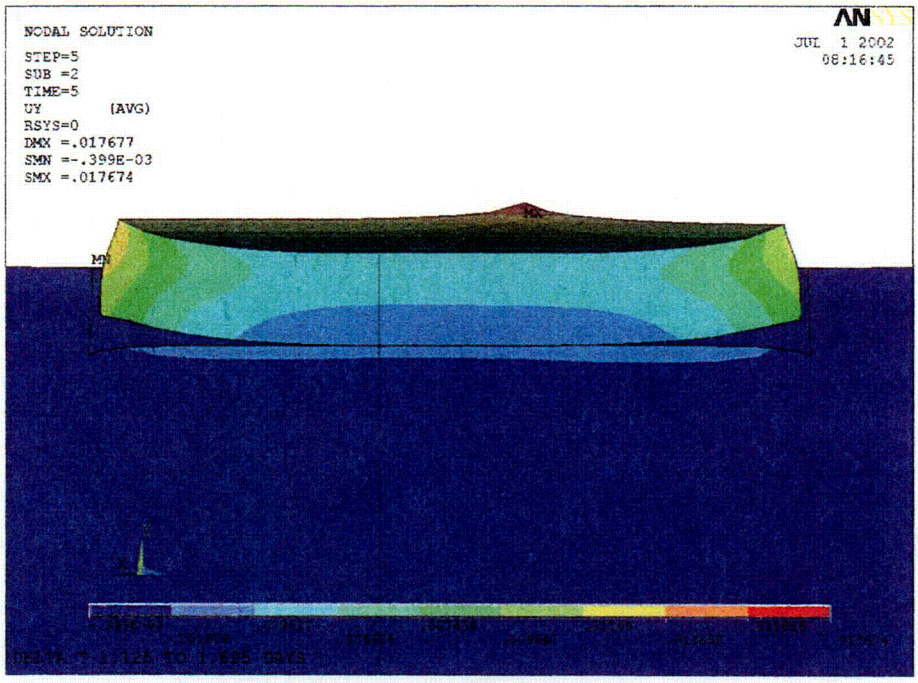

Figure LS-5A – Time 1.125 to 1.625 days

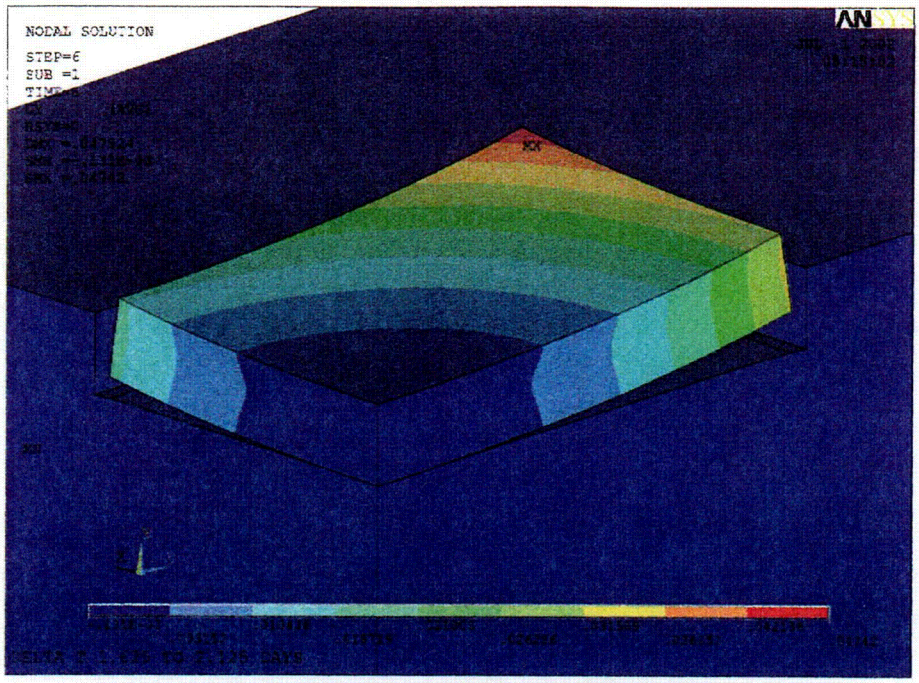

Figure LS-6 – Time 1.625 to 2.125 days

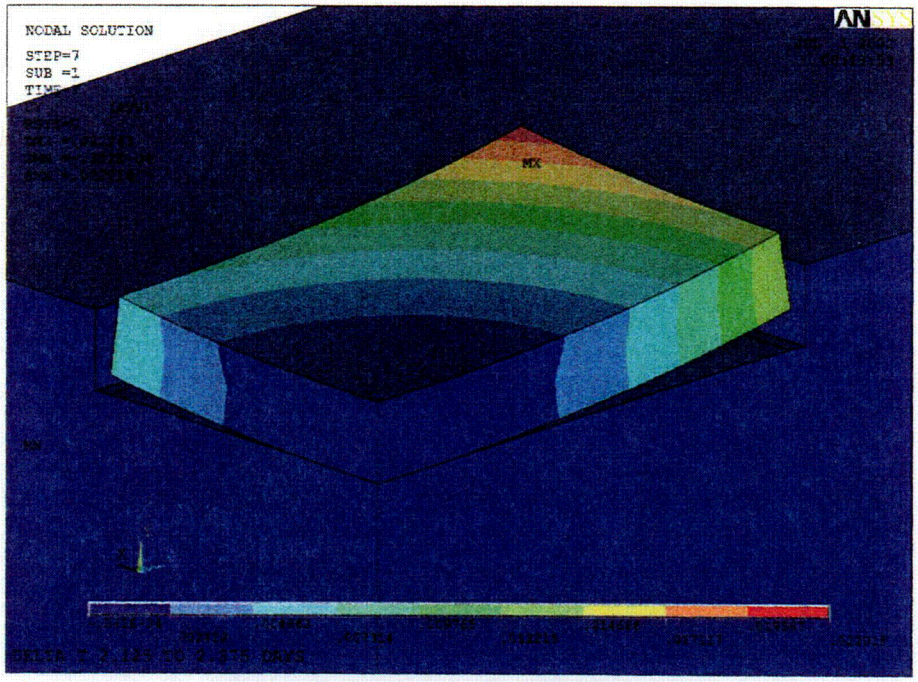

Figure LS-7 – Time 2.125 to 2.375 days

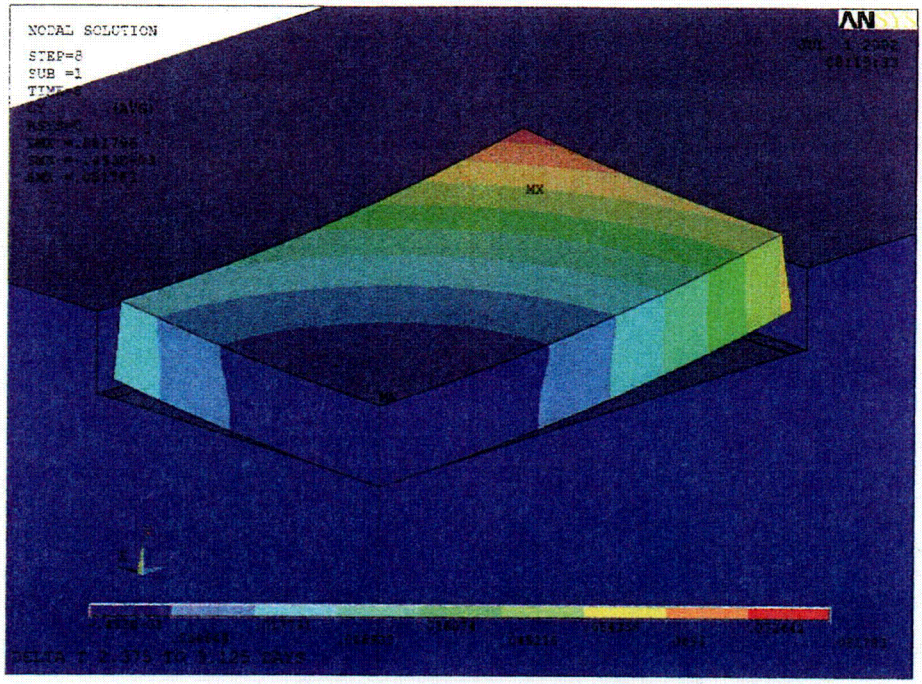

Figure LS-8 – Time 2.375 to 3.125 days

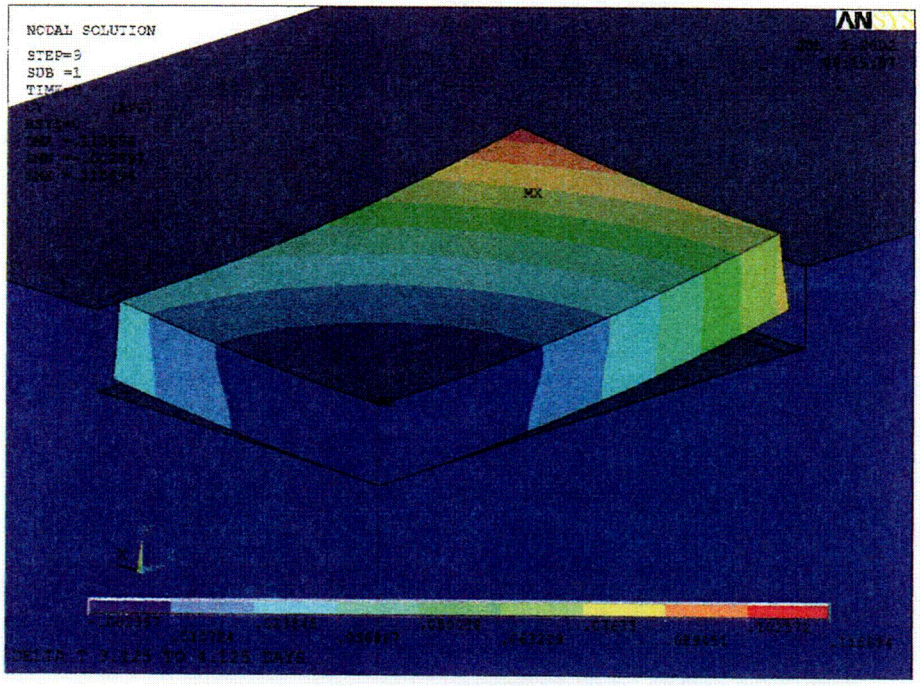

Figure LS-9 – Time 3.125 to 4.125 days

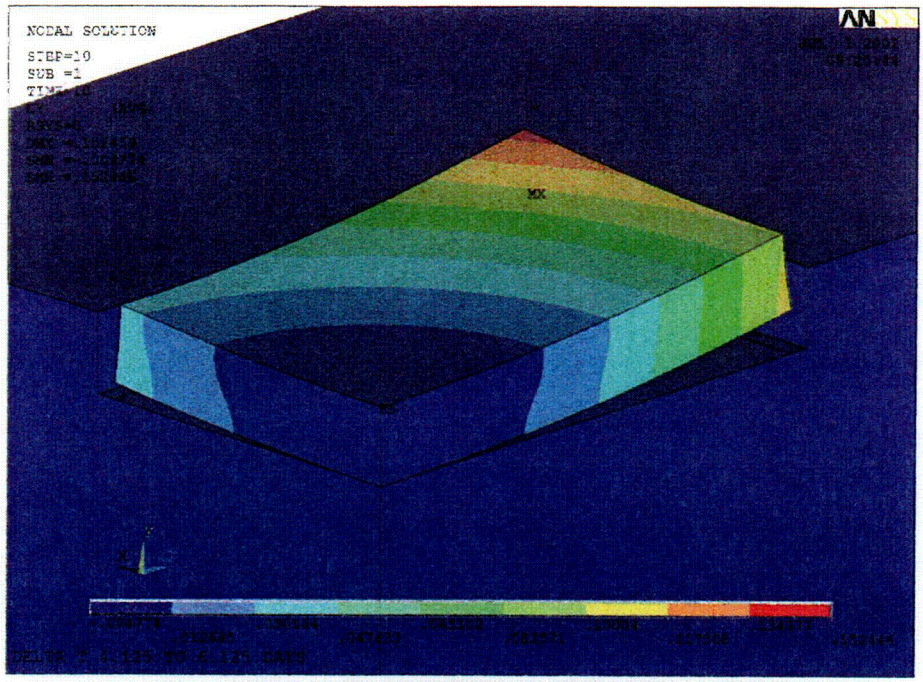

Figure LS-10 – Time 4.125 to 6.125 days

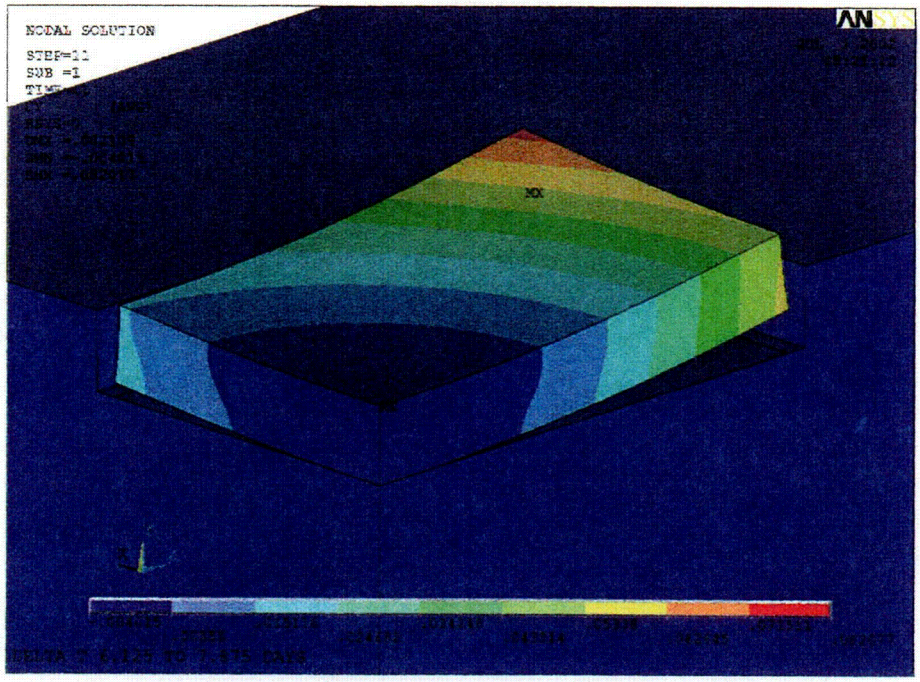

Figure LS-11 – Time 6.125 to 7.875 days

ENERCON SERVICES, INC.

Appendix LCPad-TH to Calculation PGE-009-CALC-006

Originator: S. C. Tumminelli
Date: September 20, 2002
Revised: March 3, 2003

Appendix LCPad-TH

This Appendix presents the ANSYS plots of the pad vertical displacements for the constrained model thermal stress analysis summed Load Cases.

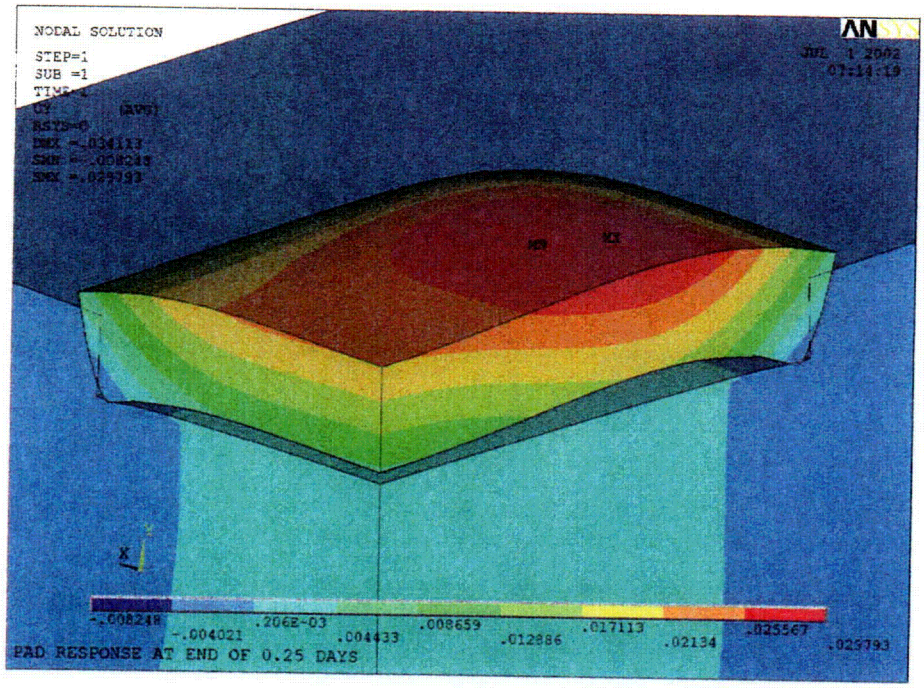

Figure LC-1 – Time 0.25 days

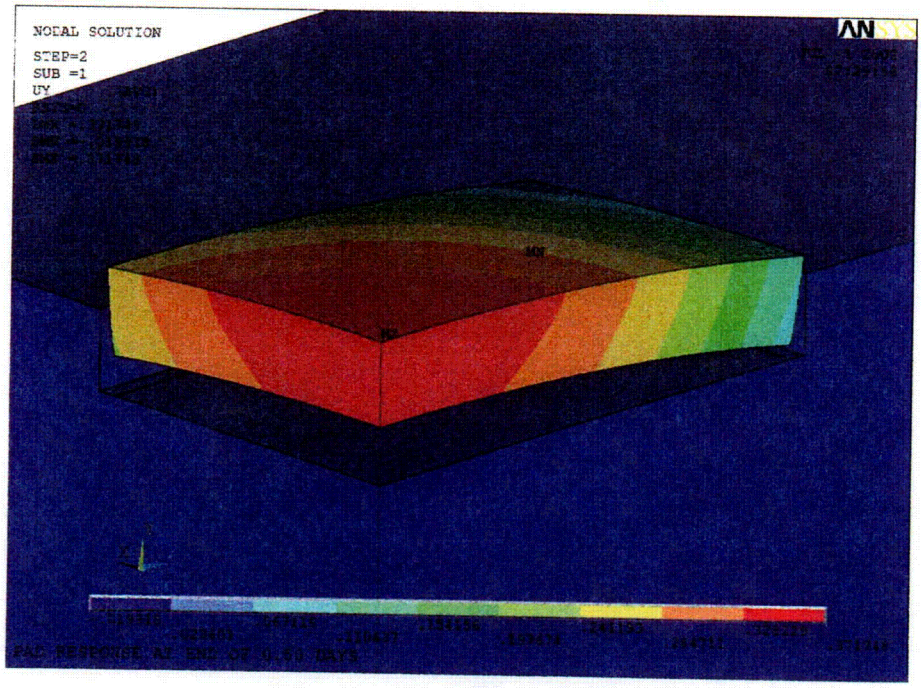

Figure LC-2 – Time 0.50 days

ENERCON SERVICES, INC.

Appendix LCPad-TH to Calculation PGE-009-CALC-006

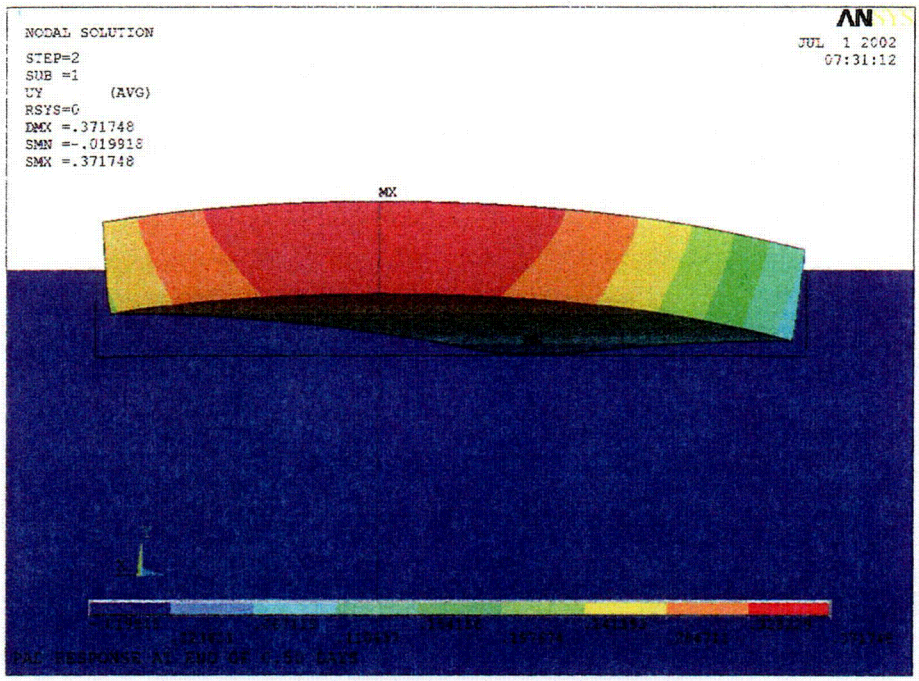

Figure LC-2A – Time 0.50 days

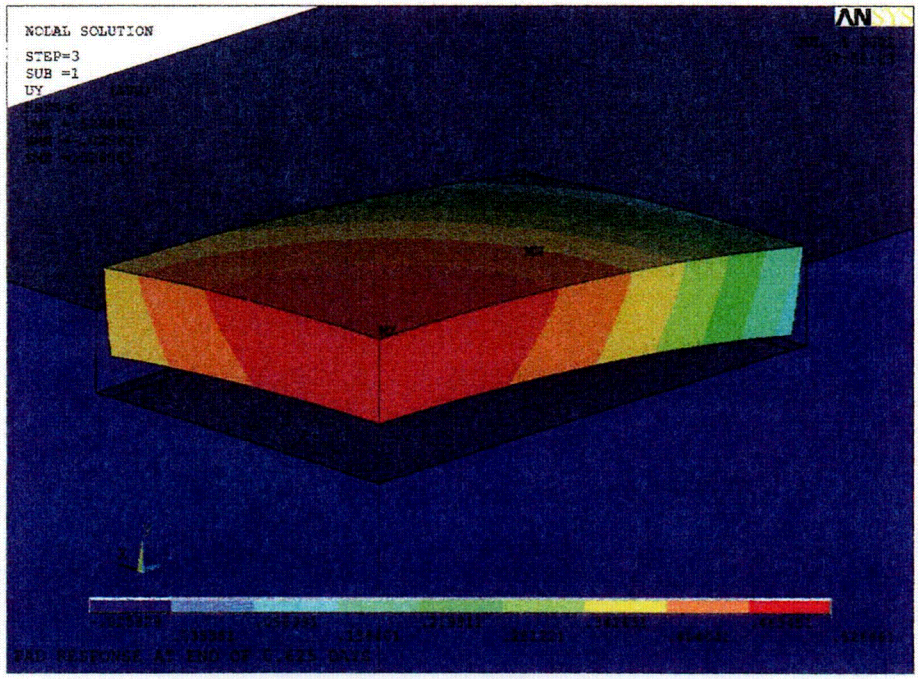

Figure LC-3 – Time 0.625 days

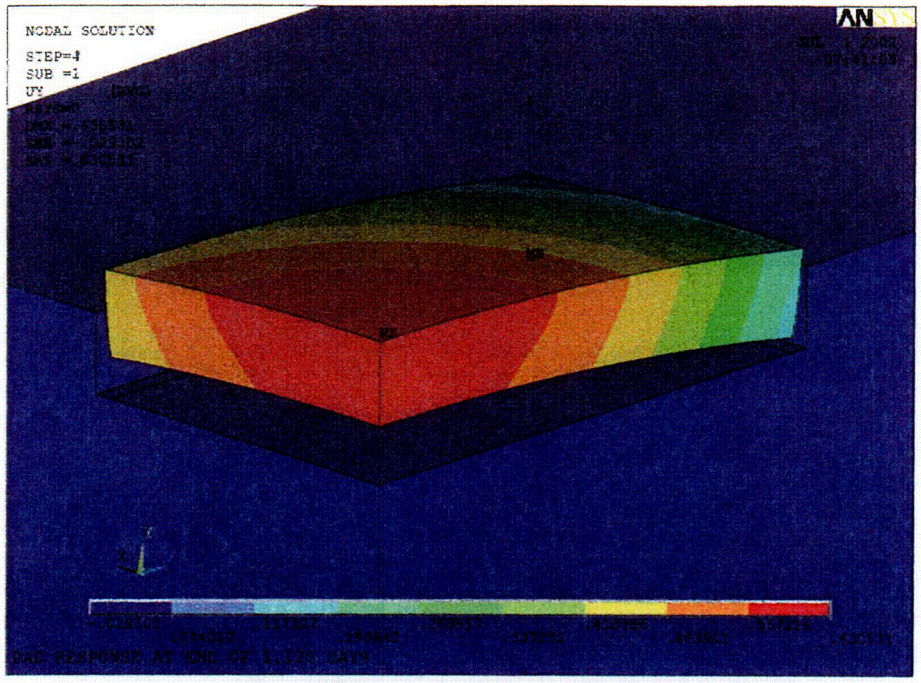

Figure LC-4 – Time 1.125 days

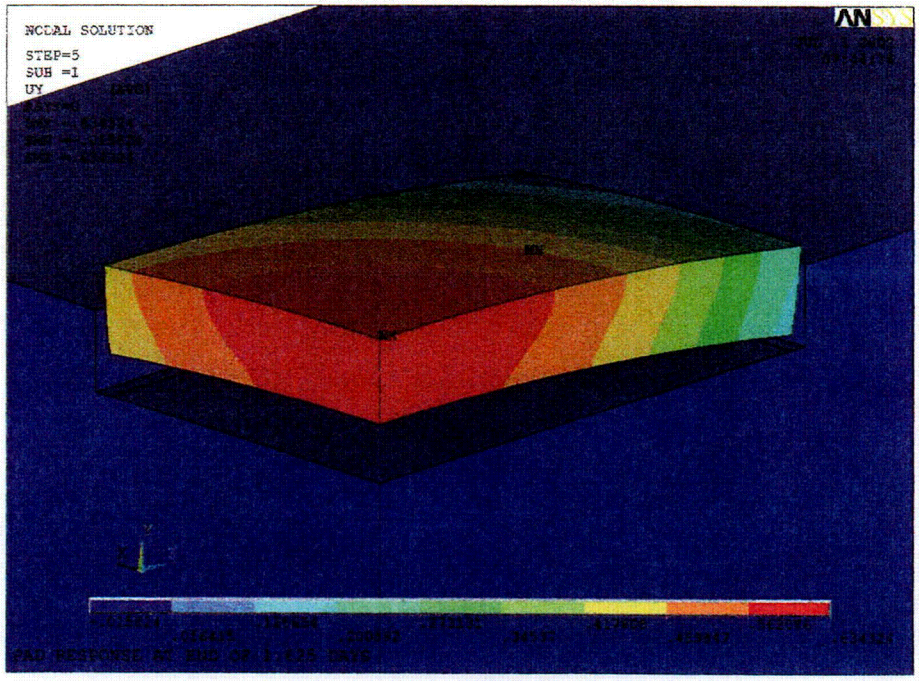

Figure LC-5 – Time 1.625 days

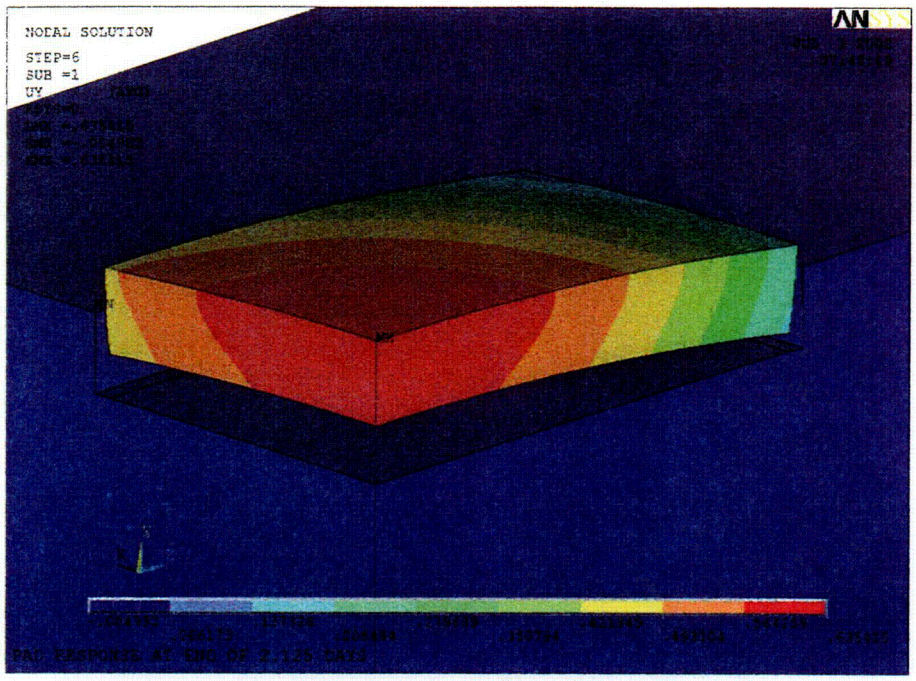

Figure LC-6 – Time 2.125 days

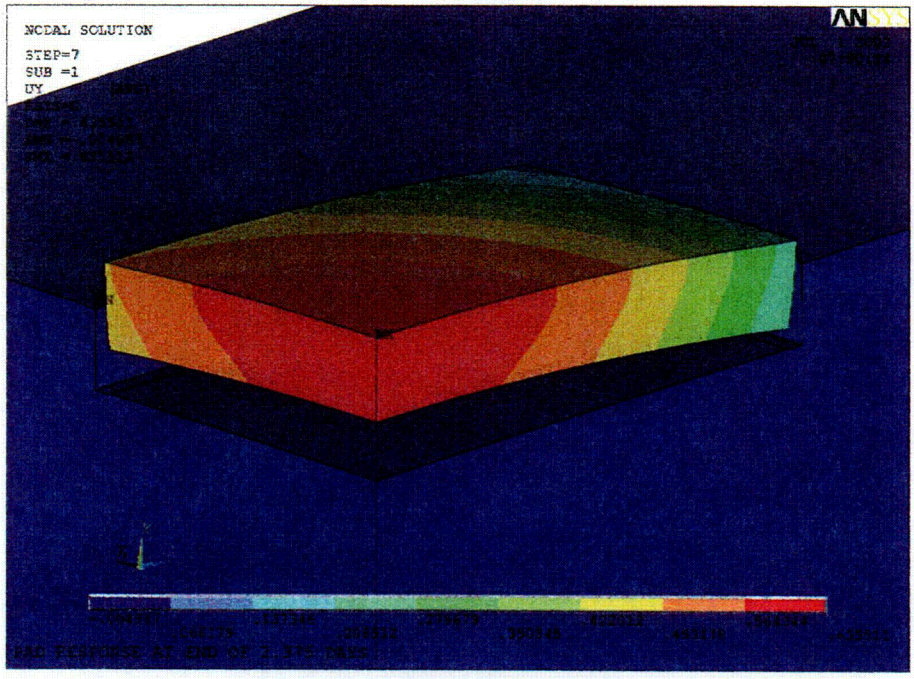

Figure LC-7 – Time 2.375 days

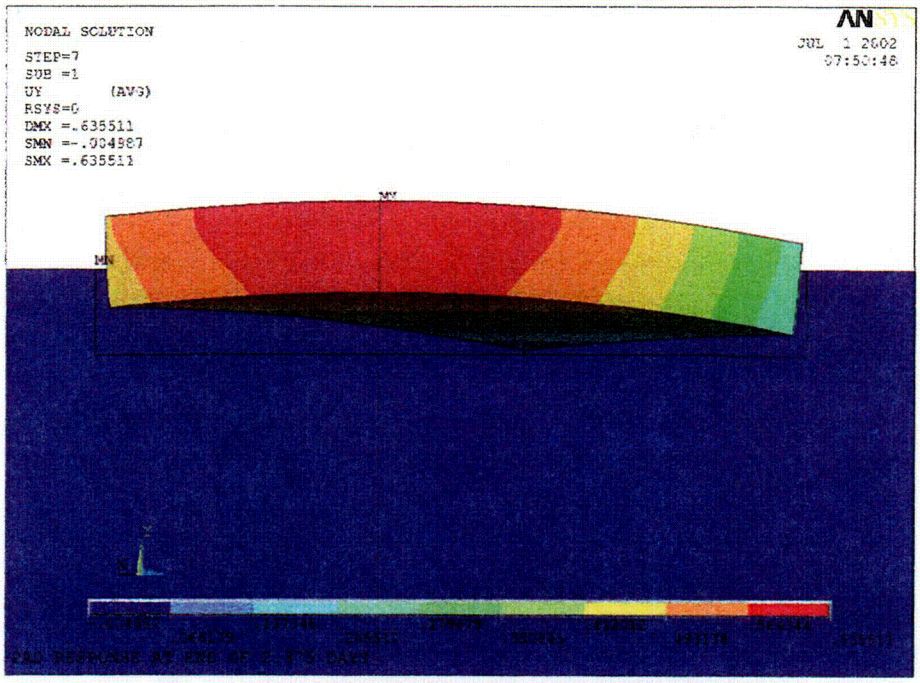

Figure LC-7A – Time 2.375 days

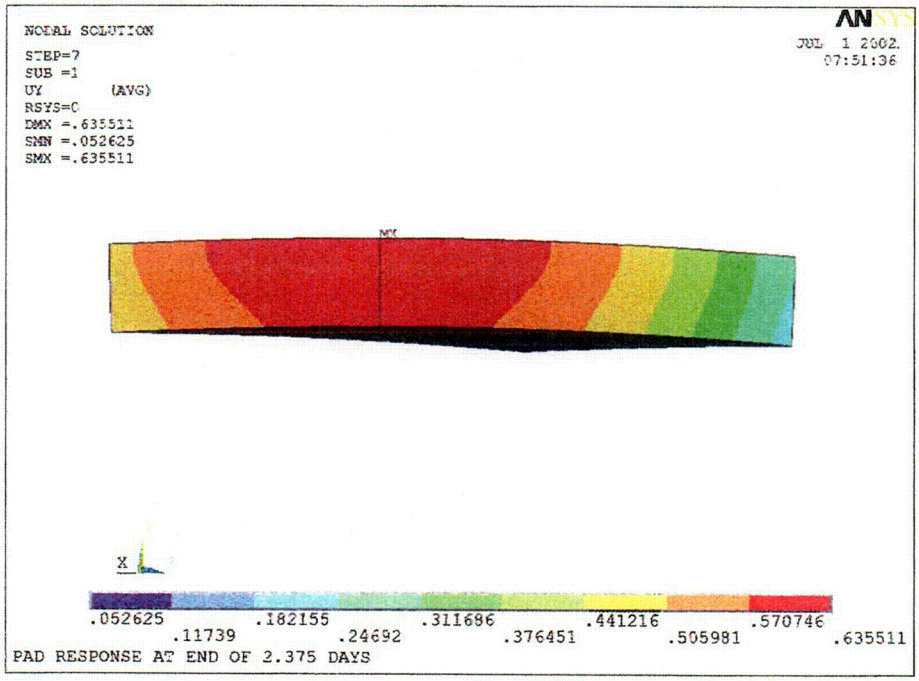

Figure LC-7B – Time 2.375 days

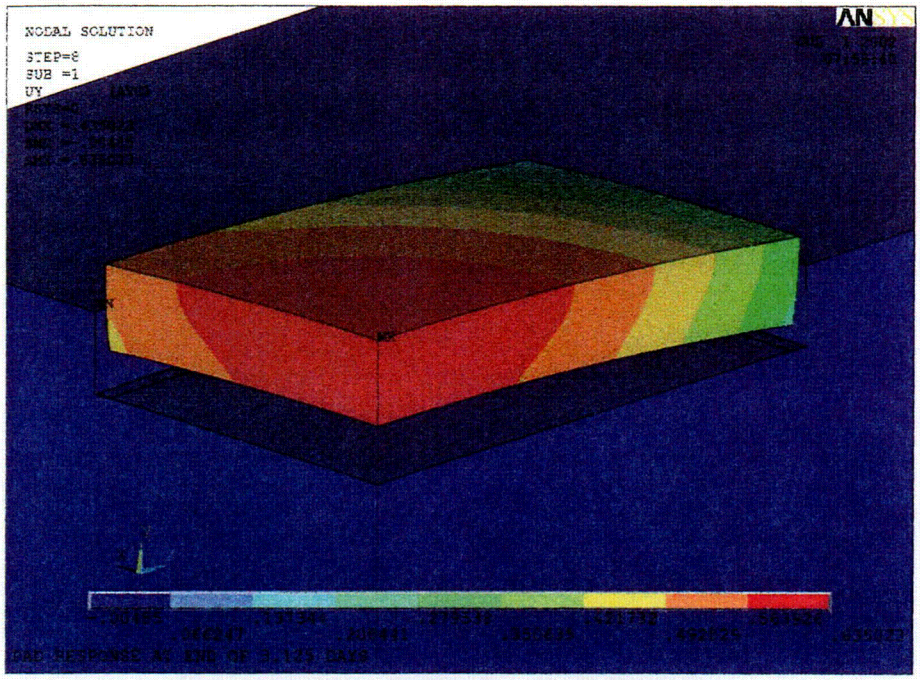

Figure LC- 8 – Time 3.125 days

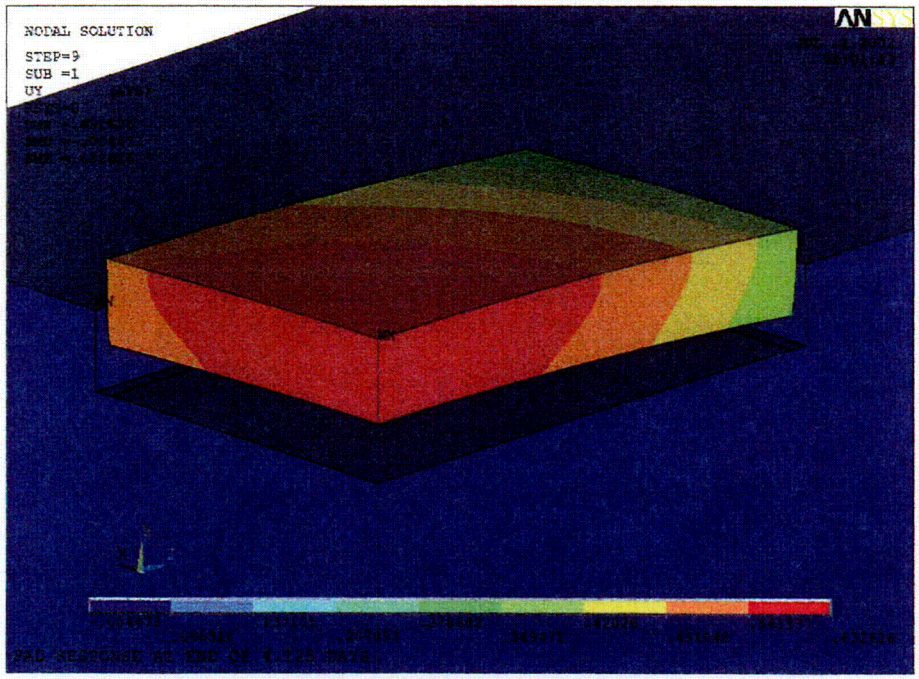

Figure LC-9 – Time 4.125 days

C20

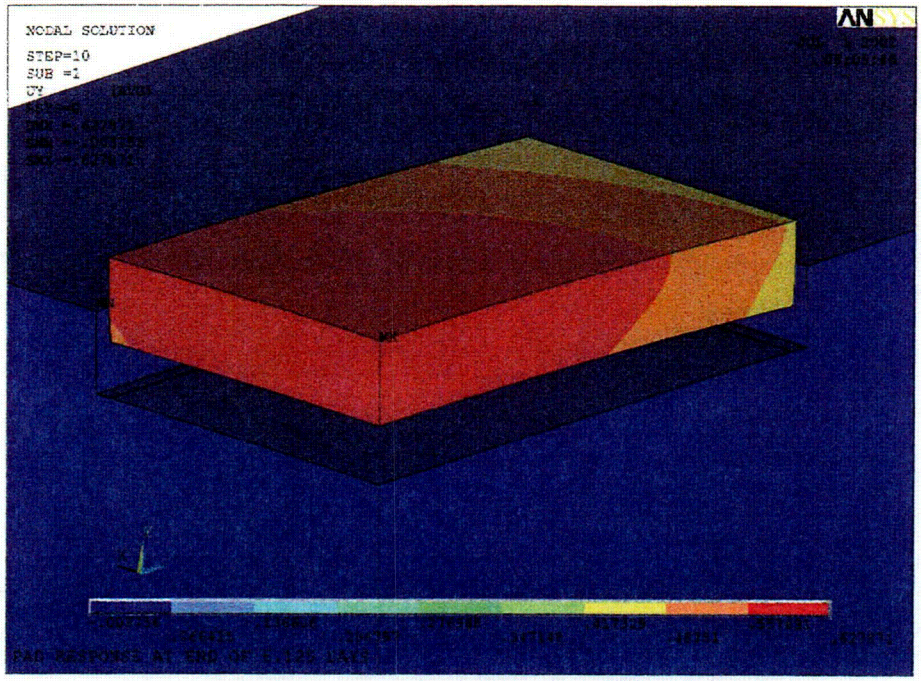

Figure LC-10 – Time 6.125 days

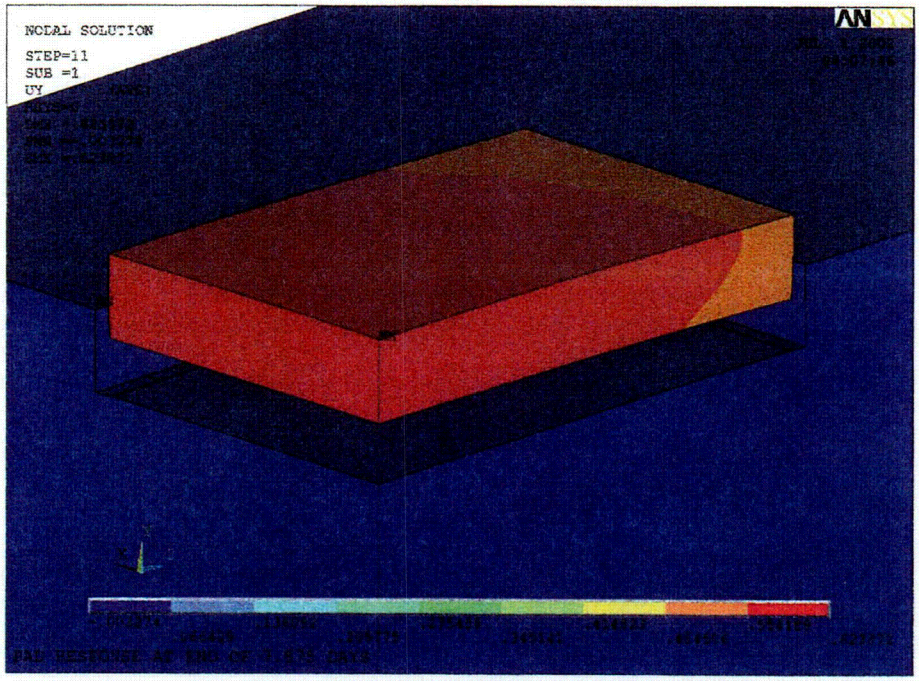

Figure LC-11 – Time 7.875 days

ENERCON SERVICES, INC.

Appendix STPad-TH to Calculation PGE-009-CALC-006

Originator: S. C. Tumminelli
Date: September 20, 2002
Revised: March 3, 2003

Appendix STPad-TH

This Appendix presents the ANSYS plots documenting the pad X and Z stresses for the constrained model thermal stress analysis.

ENERCON SERVICES, INC.

Appendix STPad-TH to Calculation PGE-009-CALC-006

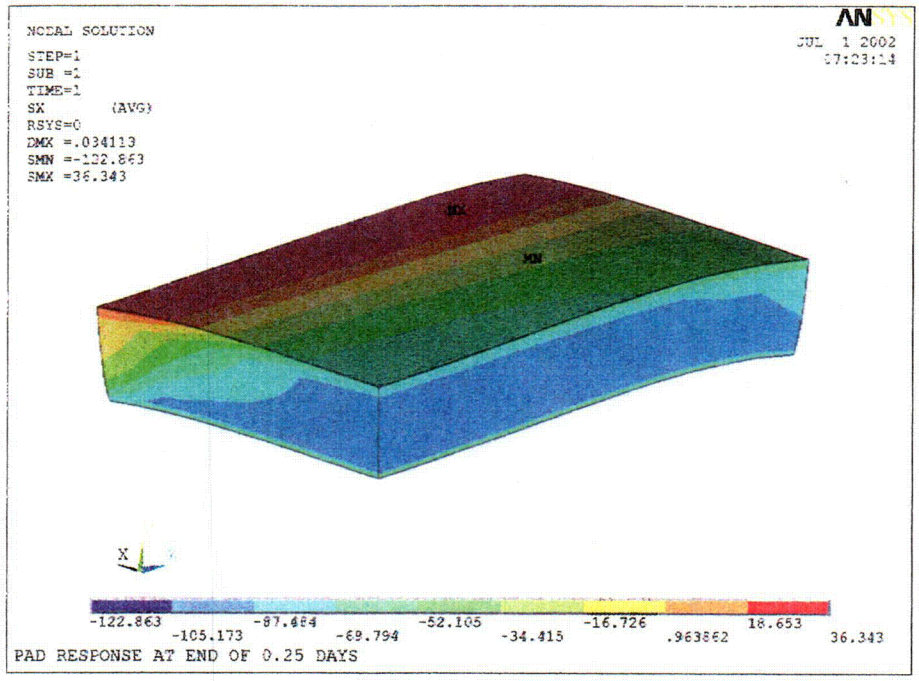

Figure ST-1X

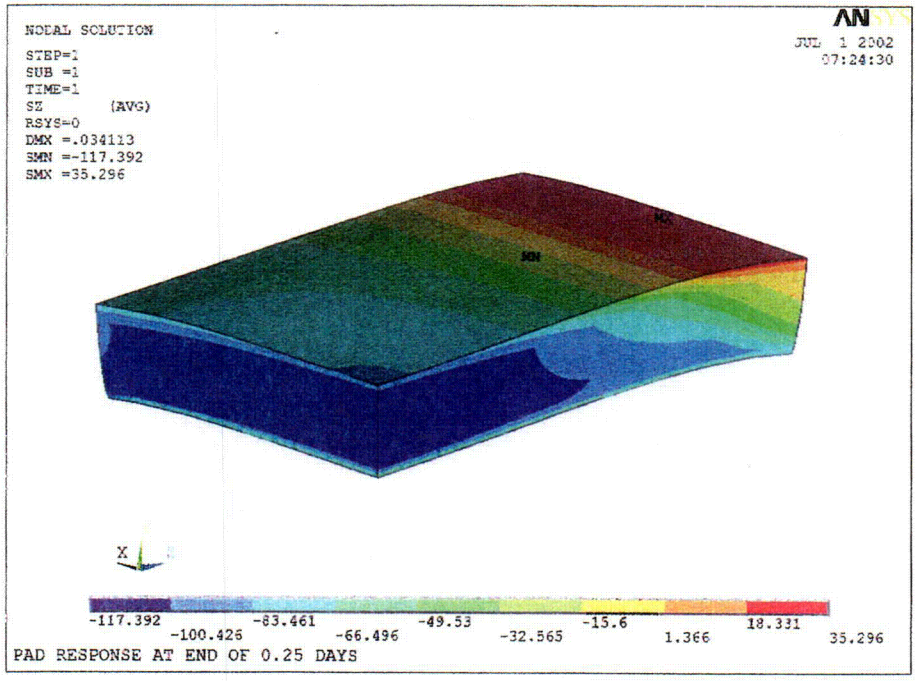

Figure ST-1Z

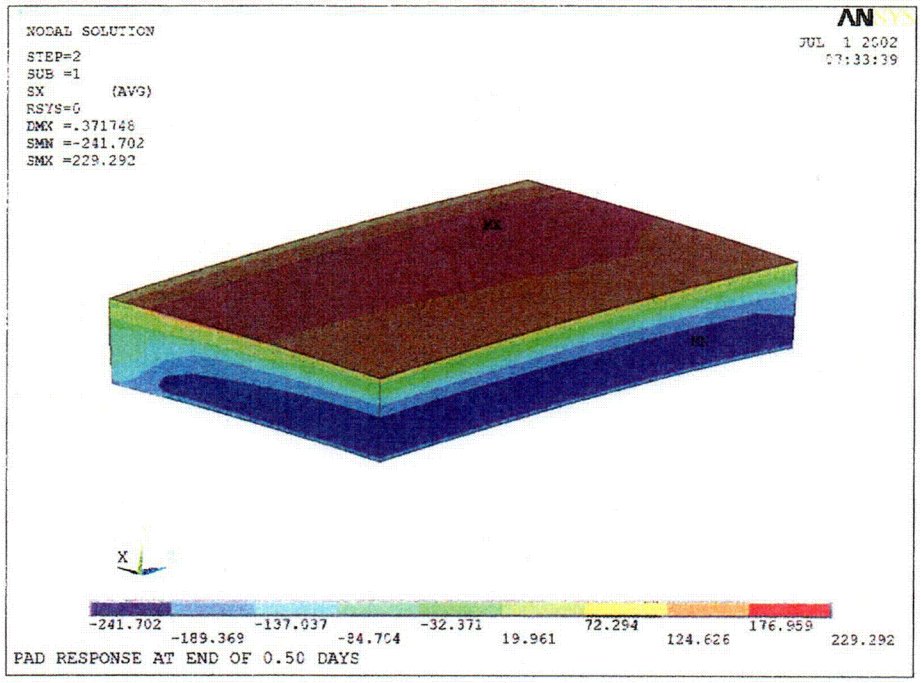

Figure ST-2X

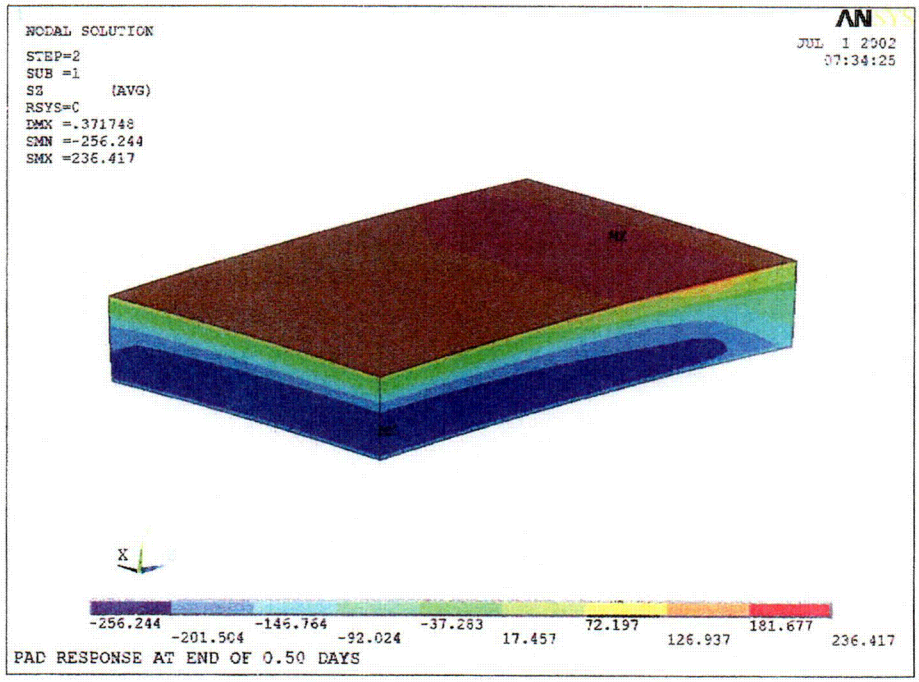

Figure ST-2Z

ENERCON SERVICES, INC.

Appendix STPad-TH to Calculation PGE-009-CALC-006

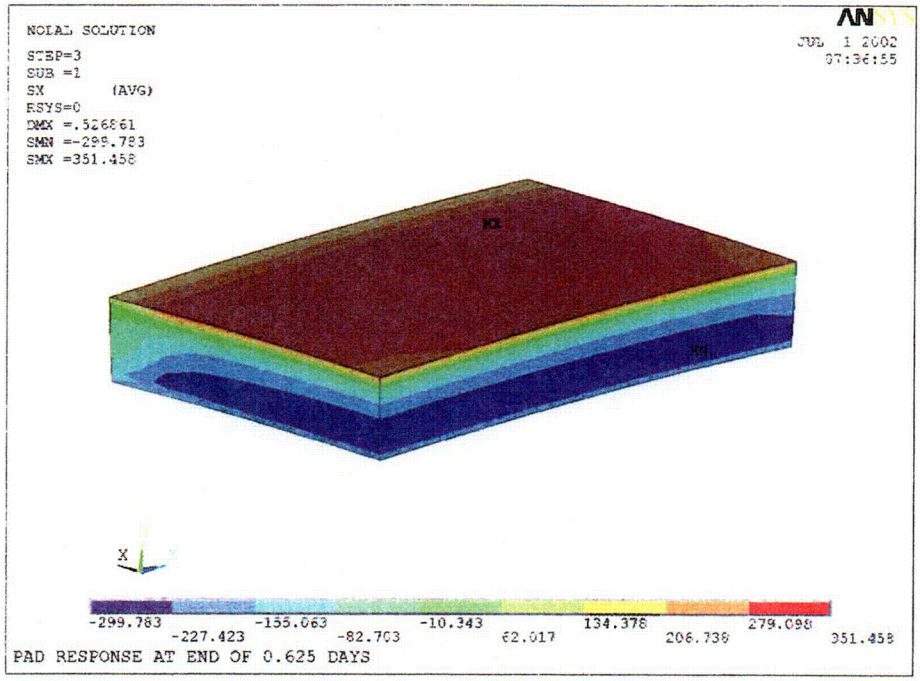

Figure ST-3X

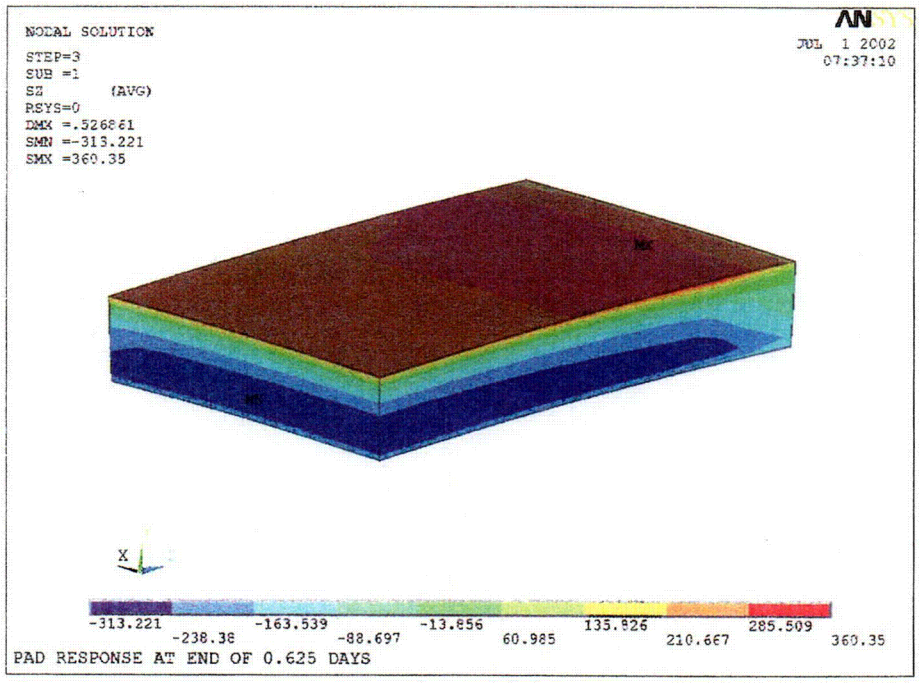

Figure ST-3Z

C24

ENERCON SERVICES, INC.

Appendix STPad-TH to Calculation PGE-009-CALC-006

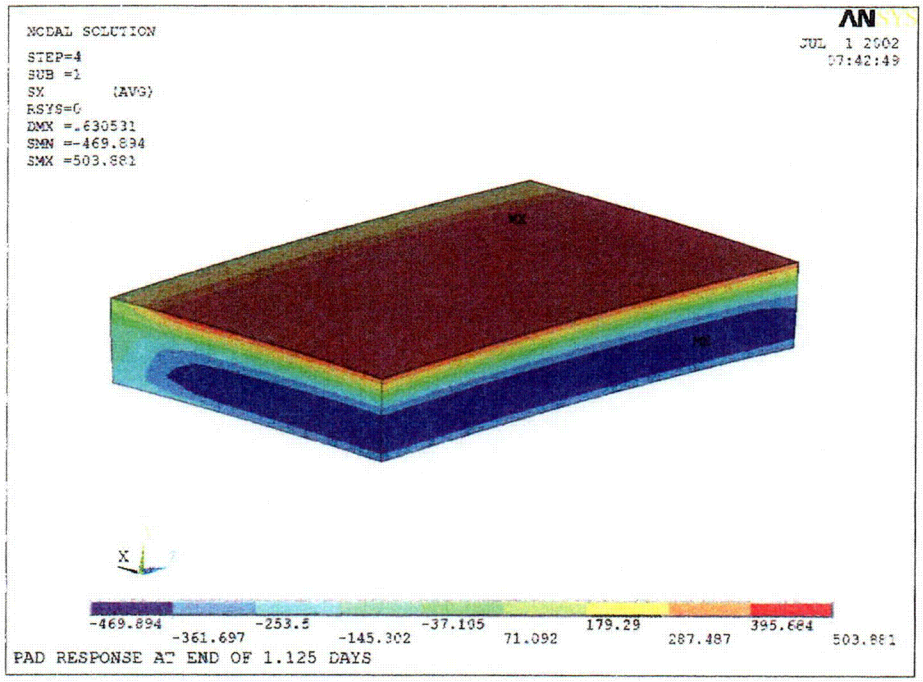

Figure ST-4X

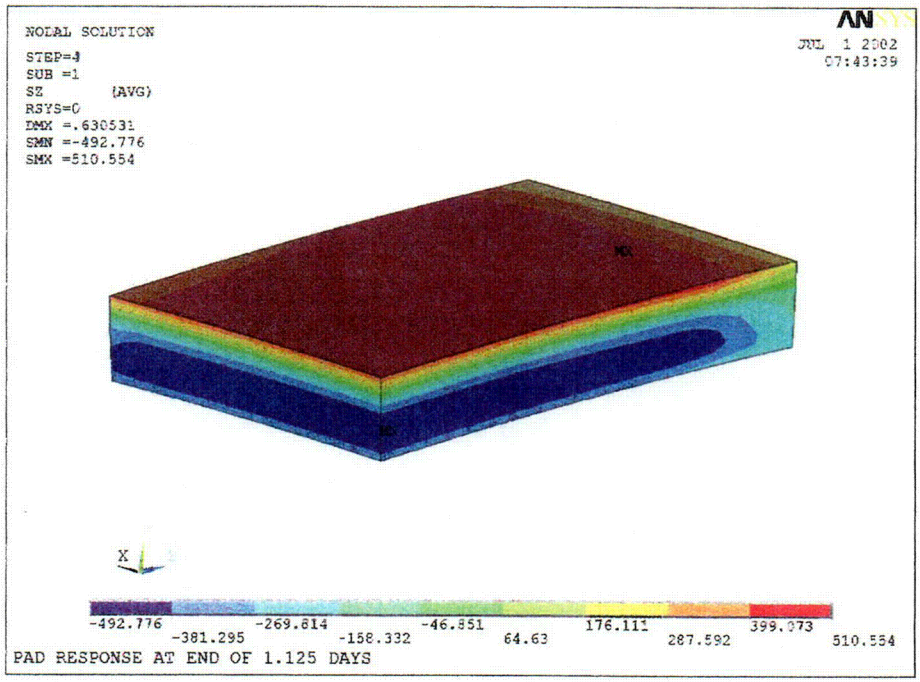

Figure ST-4Z

C25

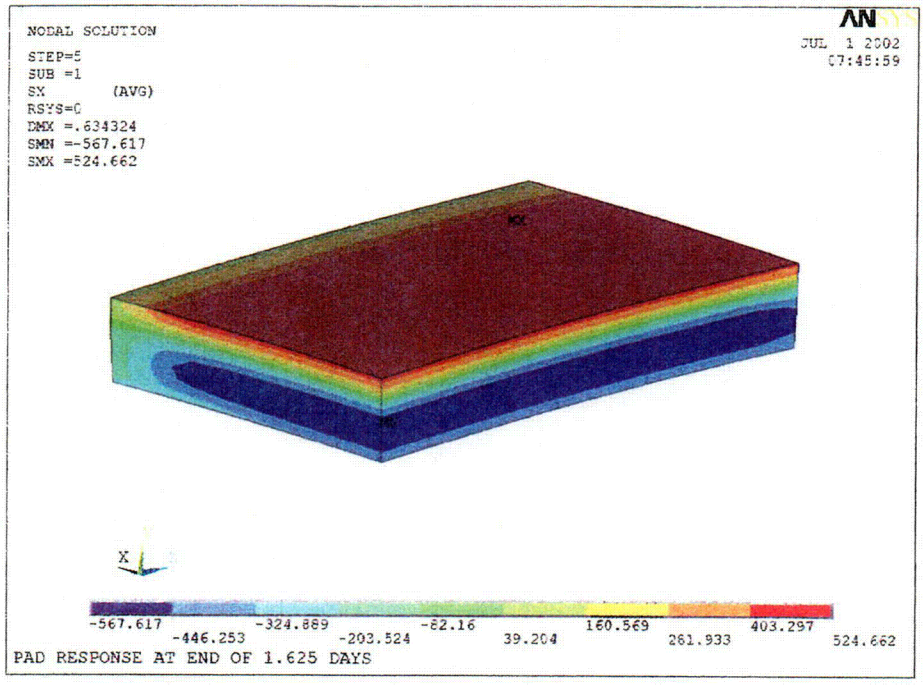

Figure ST-5X

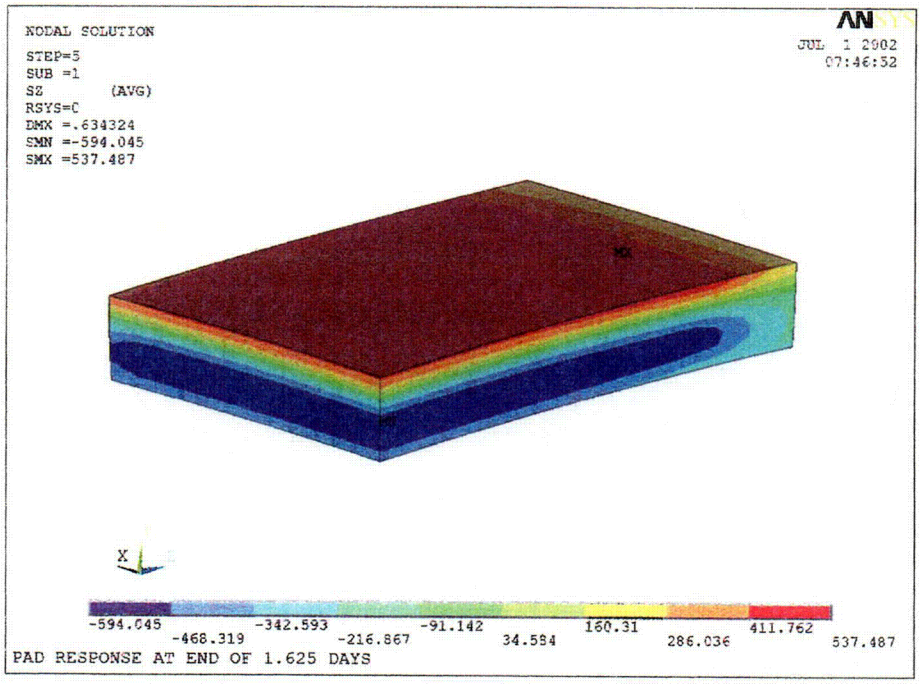

Figure ST-5Z

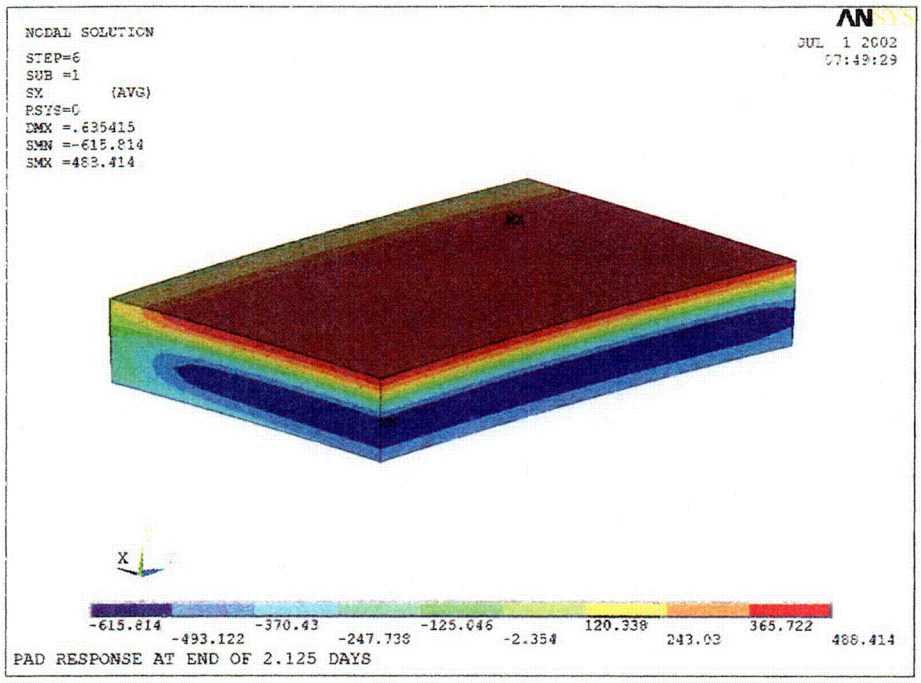

Figure ST-6X

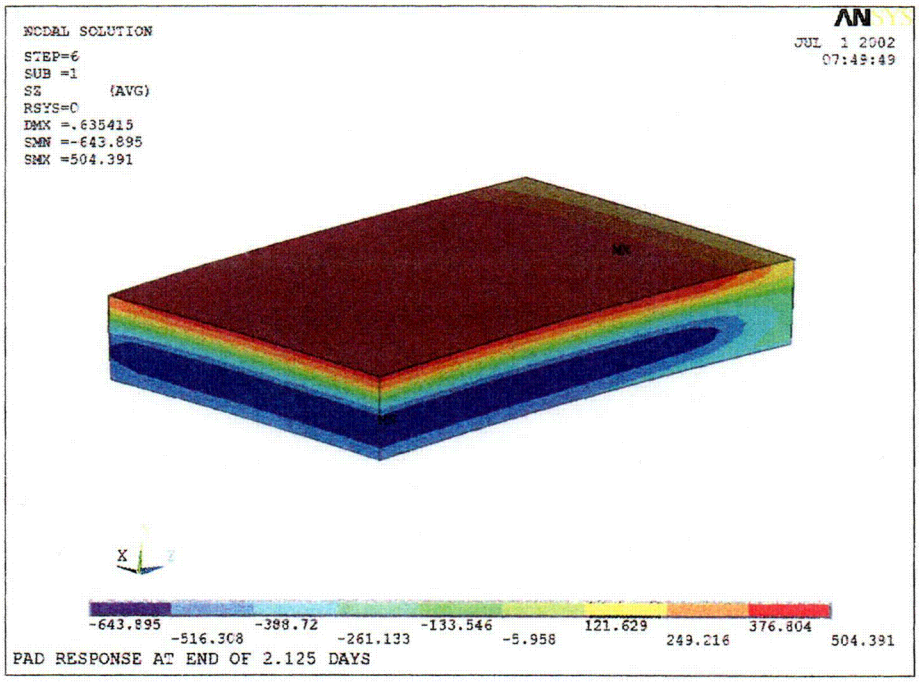

Figure ST-6Z

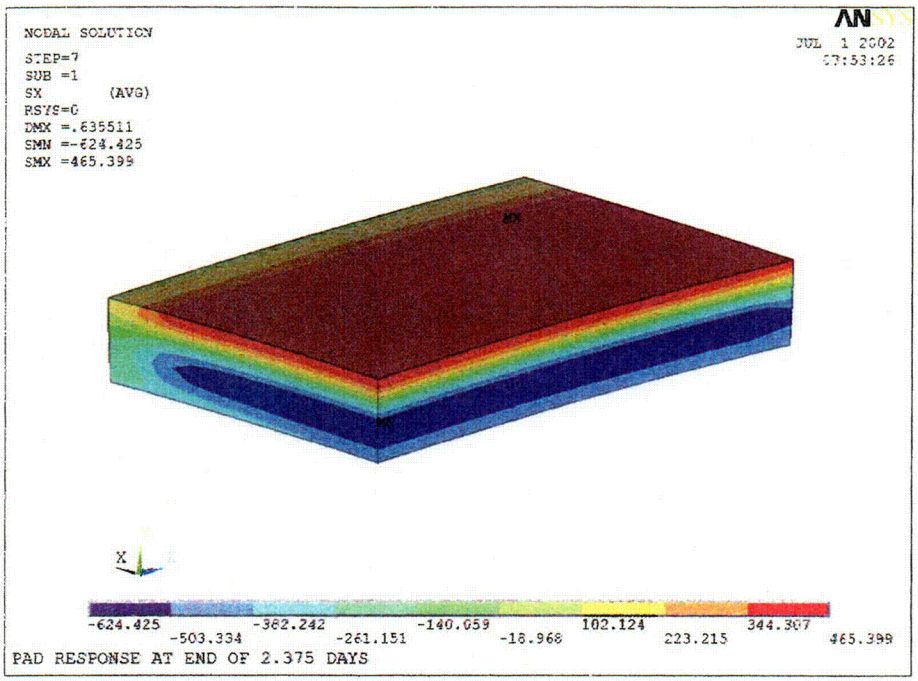

Figure ST-7X

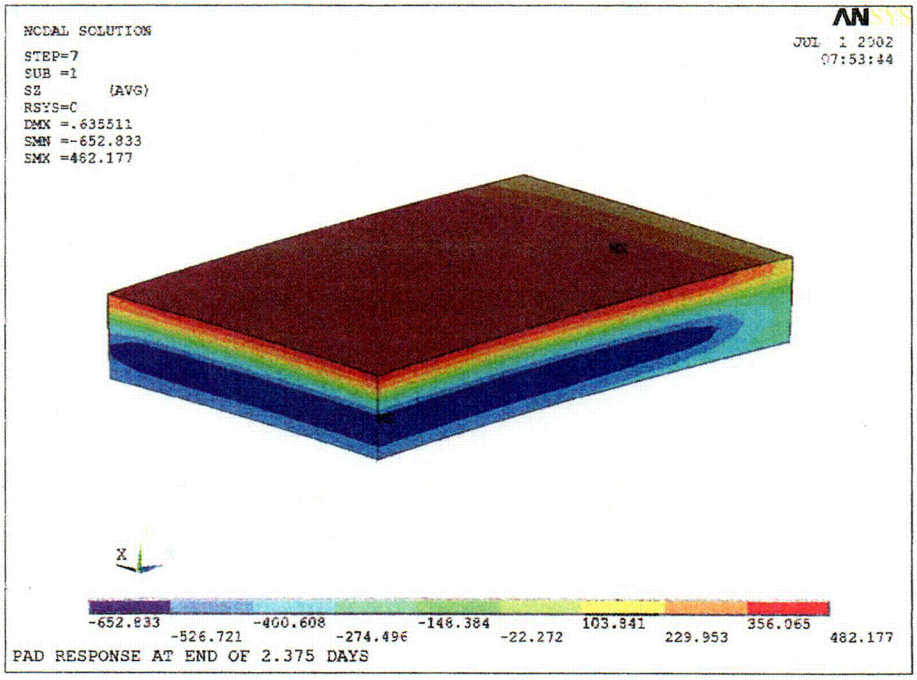

Figure ST-7Z

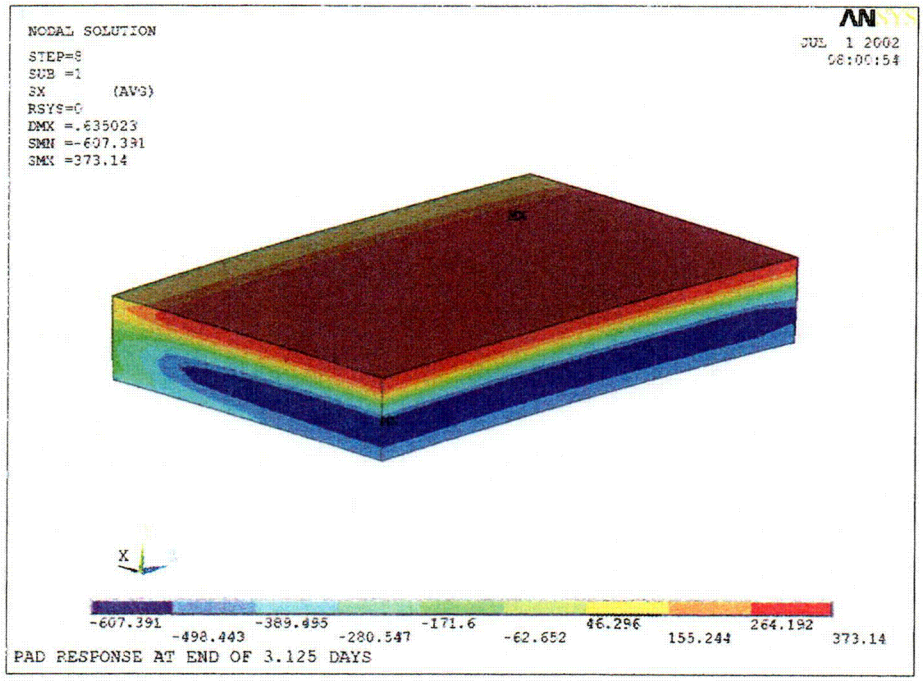

Figure ST-8X

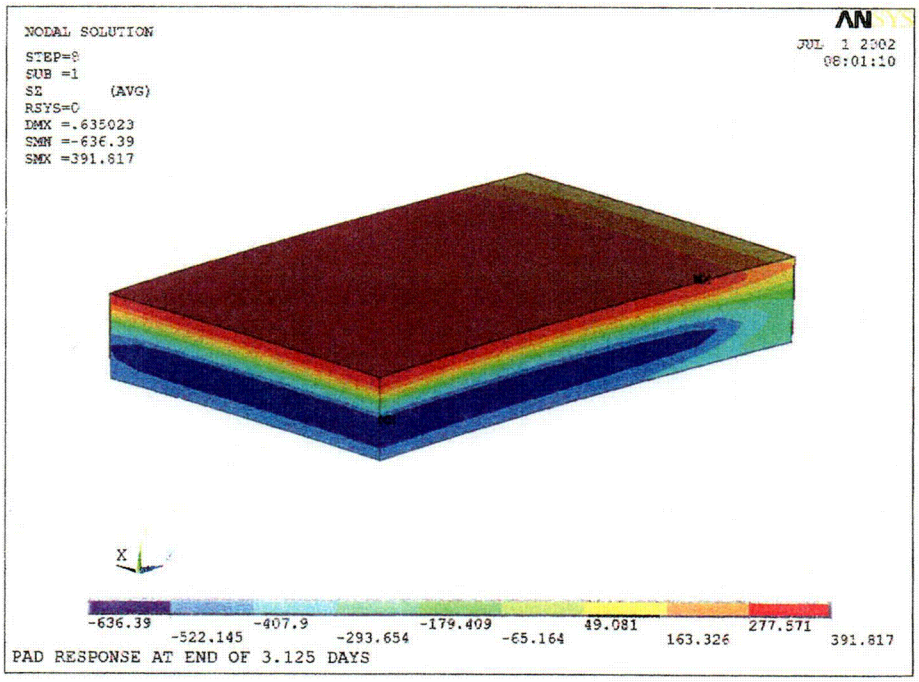

Figure ST-8Z

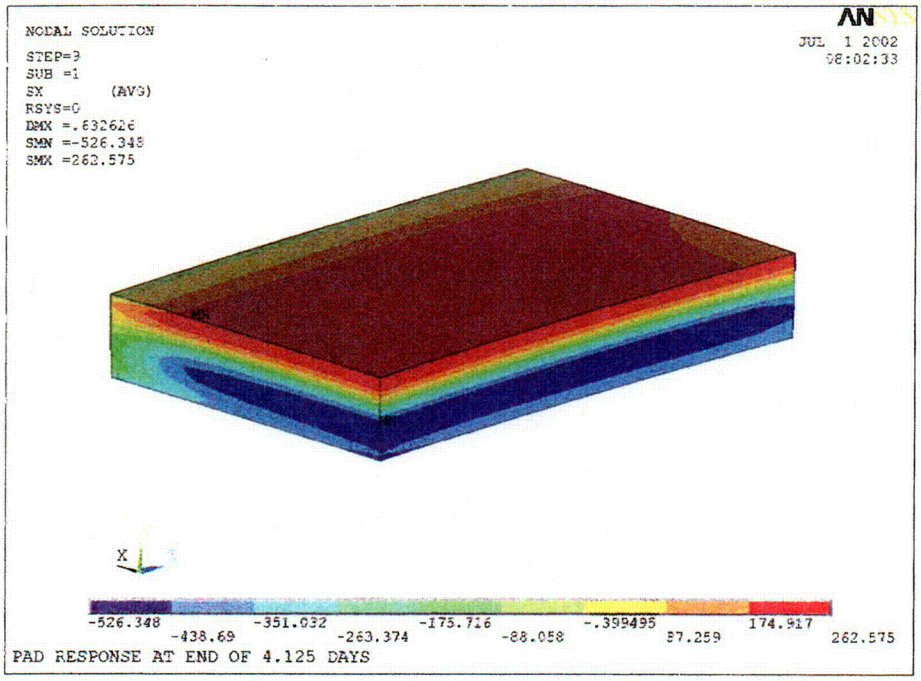

Figure ST-9X

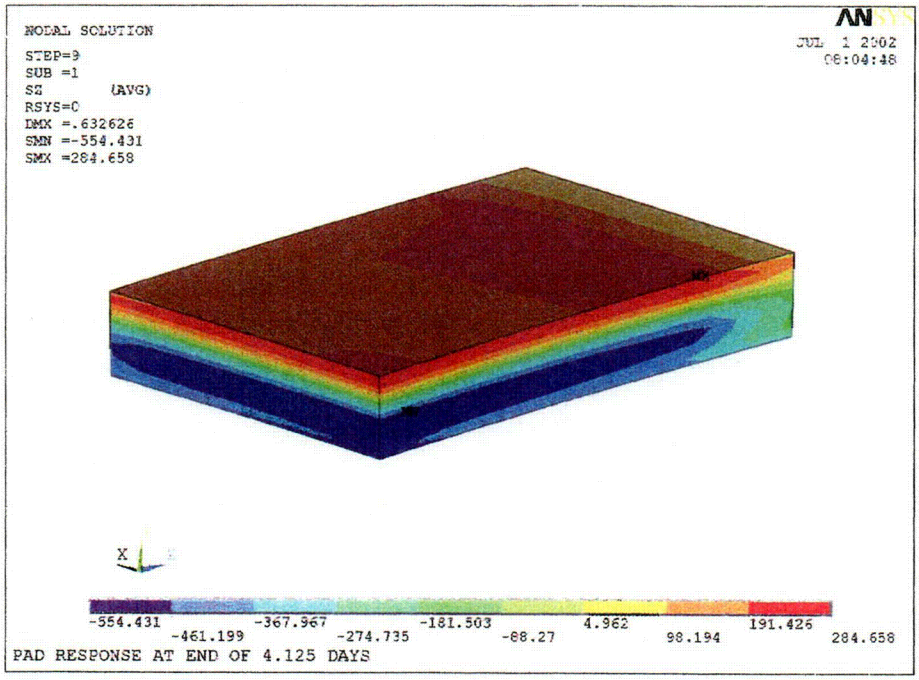

Figure ST-9Z

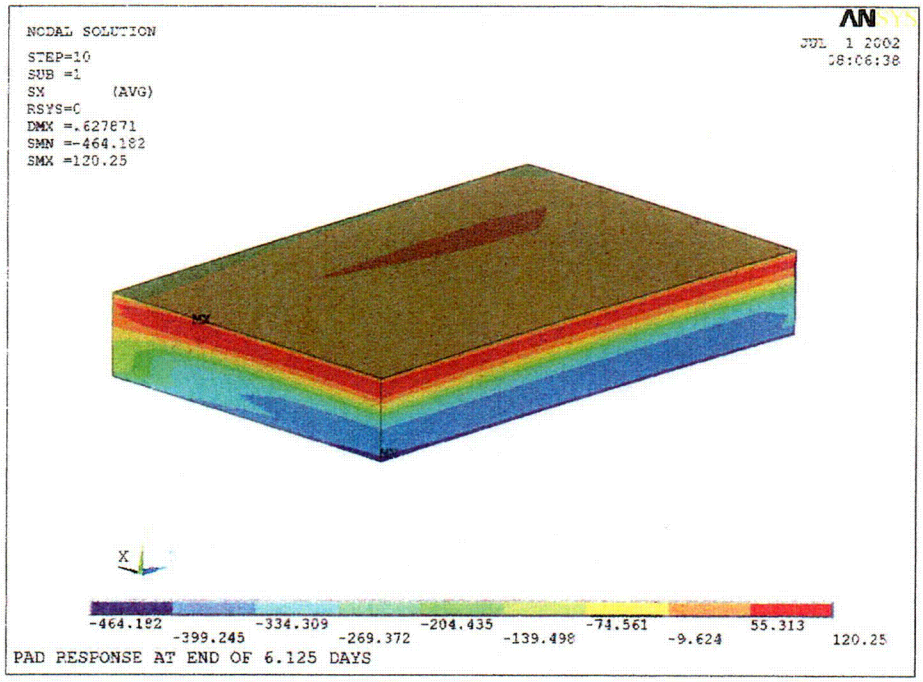

Figure ST-10X

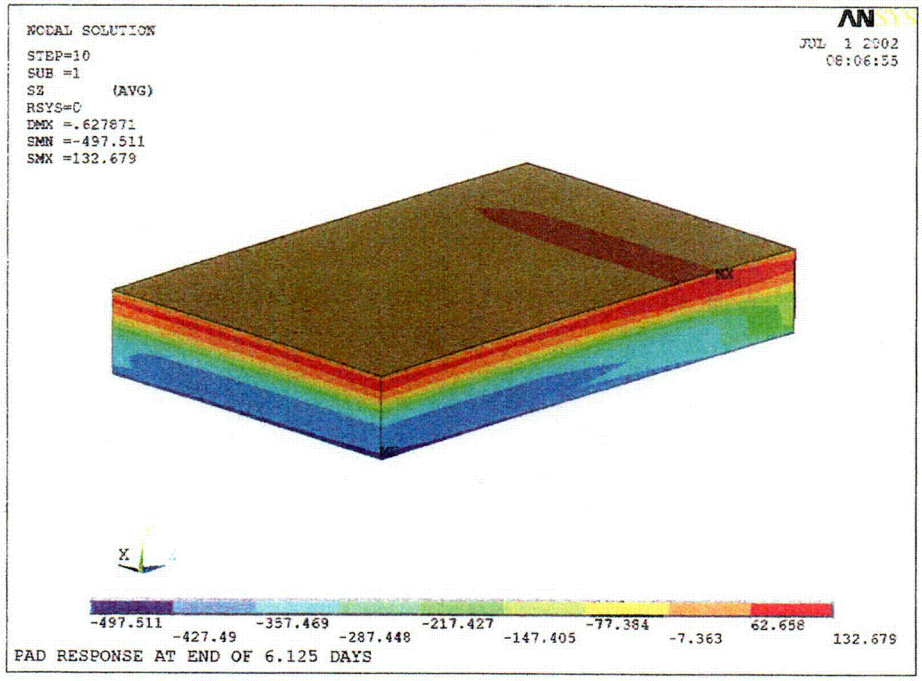

Figure ST-10Z

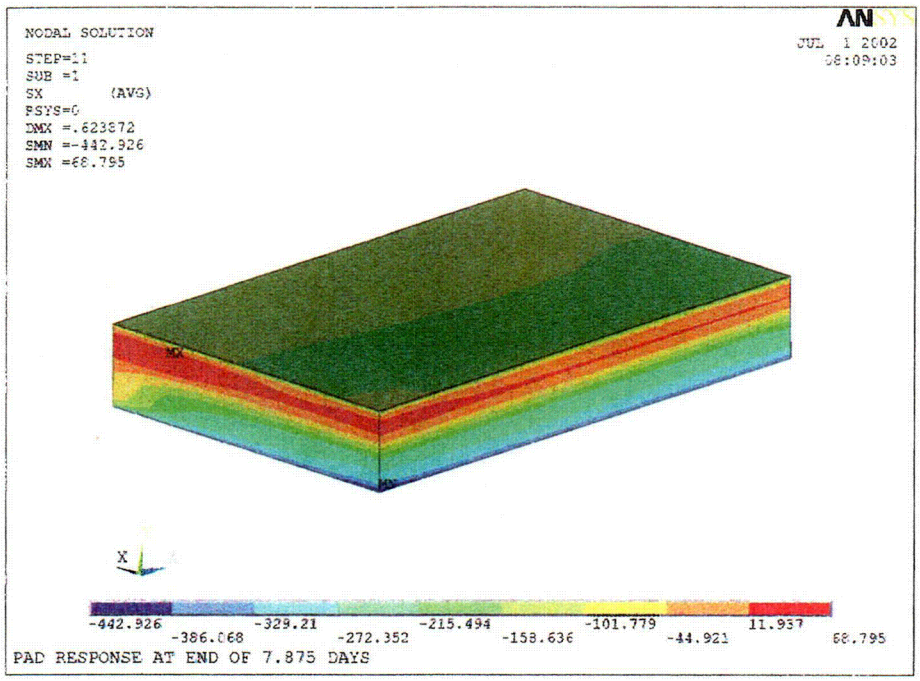

Figure ST-11X

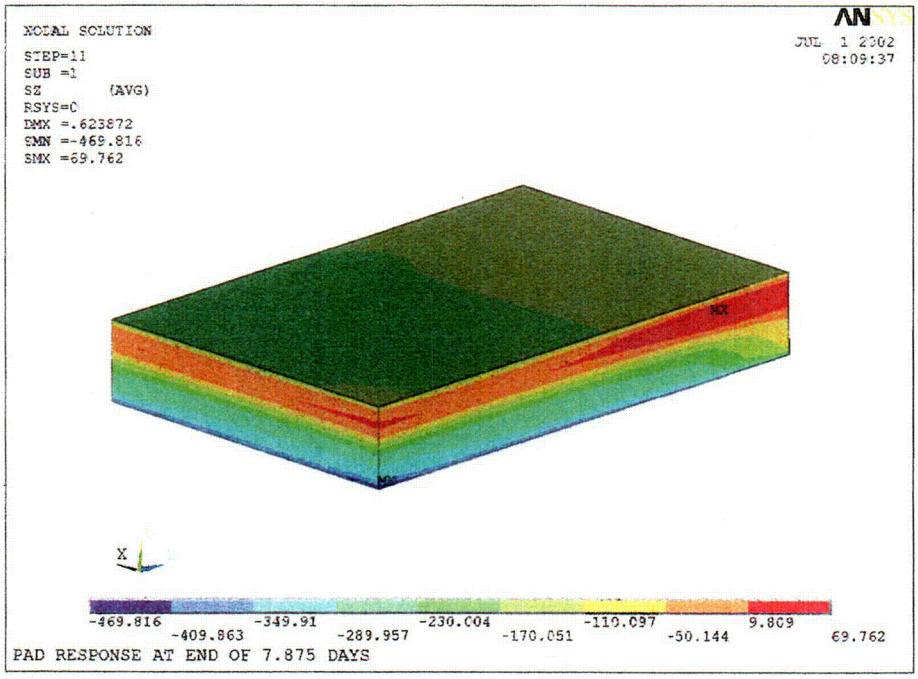

Figure ST-11Z

ENERCON SERVICES, INC.

Appendix THNC-Loads to Calculation PGE-009-CALC-006

Originator: S. C. Tumminelli
Date: March 3, 2003

Appendix THNC-Loads

This Appendix presents the ANSYS file documenting the applied loads for the unconstrained thermal stress analysis.

ANSYS file that generates the loads.

```
ANSYS/Mechanical U

*------------------------------------------------------------*
|                                                            |
|   W E L C O M E   T O   T H E   A N S Y S   P R O G R A M  |
|                                                            |
*------------------------------------------------------------*



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```

```
*****************************************************************

                    Completing ANSYS Load Process.


         *****  ANSYS COMMAND LINE ARGUMENTS  *****
 INITIAL JOBNAME                = PADNC-TH
 BATCH MODE REQUESTED           = LIST
 MEMORY REQUESTED (MB)          = 700
 DATABASE SIZE REQUESTED (MB) = 75

*** WARNING ***                          CP=      0.200   TIME= 13:34:24
Use of the -M switch is no longer recommended for normal ANSYS use.
ANSYS now dynamically allocates memory as needed.  Only use the -M
 switch if you are certain that you need to do so.

PARAMETER STATUS-            (   1 PARAMETERS DEFINED)
                 (INCLUDING     1 INTERNAL PARAMETERS)

00245050          VERSION=INTEL NT        RELEASE= 6.1     UP20020321
CURRENT JOBNAME=PADNC-TH  13:34:24  JAN 03, 2003 CP=      0.200

    1  /FILE,PADNC-TH
    2  RESUME
    3  EALL
    4  NALL
    5  MPLI
    6  CMLI
    7  /PREP7
    8  LSCLEAR,ALL
    9  /title,DELTA T 0.0 TO 0.25 DAYS - NO PAD/ROCK CONSTRAINT
   10  /COM, BC'S ALL LOAD STEPS
   11  /COM 80% DEAD WEIGHT FOR FIRST LOAD STEP
   12  ACEL,0,0.80,0
   13  D,SYMXY,UZ,0.0
   14  D,SYMYZ,UX,0.0
   15  D,XEDGE,UX,0.0
   16  D,XEDGE,UY,0.0
   17  D,XEDGE,UZ,0.0
   18  D,ZEDGE,UX,0.0
   19  D,ZEDGE,UY,0.0
   20  D,ZEDGE,UZ,0.0
   21  D,BOT,UX,0.0
   22  D,BOT,UY,0.0
   23  D,BOT,UZ,0.0
   24  BFUNIF,TEMP,0.0
   25  BF,CONC80,TEMP,15.00
   26  BF,CONC75,TEMP,18.00
   27  BF,CONC70,TEMP,19.67
   28  BF,CONC65,TEMP,21.33
   29  BF,CONC60,TEMP,21.33
   30  BF,CONC50,TEMP,21.33
   31  BF,CONC40,TEMP,21.33
   32  BF,CONC30,TEMP,21.33
   33  BF,CONC20,TEMP,21.33
   34  BF,CONC10,TEMP,20.50
```

```
BF,CONC05,TEMP,19.66
BF,CONC00,TEMP,10.67
BF,ROCK05,TEMP,1.67
BF,ROCK10,TEMP,0.84
BF,ROCK20,TEMP,0.0
BF,ROCK30,TEMP,0.0
BF,ROCK40,TEMP,0.0
LSWRITE,1
/title,DELTA T 0.25 TO 0.50 DAYS - NO PAD/ROCK CONSTRAINT
/COM, 20% DEAD WEIGHT FOR SECOND LOAD STEP
ACEL,0,0.20,0
BF,CONC80,TEMP,-2.50
BF,CONC75,TEMP,10.50
BF,CONC70,TEMP,9.25
BF,CONC65,TEMP,8.00
BF,CONC60,TEMP,16.67
BF,CONC50,TEMP,25.33
BF,CONC40,TEMP,25.33
BF,CONC30,TEMP,25.33
BF,CONC20,TEMP,25.12
BF,CONC10,TEMP,21.41
BF,CONC05,TEMP,17.92
BF,CONC00,TEMP,12.66
BF,ROCK05,TEMP,7.41
BF,ROCK10,TEMP,3.91
BF,ROCK20,TEMP,0.21
BF,ROCK30,TEMP,0.0
BF,ROCK40,TEMP,0.0
LSWRITE,2
/title,DELTA T 0.50 TO 0.625 DAYS - NO PAD/ROCK CONSTRAINT
/COM, NO DEAD WEIGHT AFTER SECOND LOAD STEP
ACEL,0,0.01,0
BF,CONC80,TEMP,-3.00
BF,CONC75,TEMP,-1.35
BF,CONC70,TEMP,9.32
BF,CONC65,TEMP,13.46
BF,CONC60,TEMP,9.33
BF,CONC50,TEMP,9.33
BF,CONC40,TEMP,9.33
BF,CONC30,TEMP,9.33
BF,CONC20,TEMP,9.33
BF,CONC10,TEMP,9.33
BF,CONC05,TEMP,2.04
BF,CONC00,TEMP,4.67
BF,ROCK05,TEMP,7.30
BF,ROCK10,TEMP,0.0
BF,ROCK20,TEMP,0.0
BF,ROCK30,TEMP,0.0
BF,ROCK40,TEMP,0.0
LSWRITE,3
/title,DELTA T 0.625 TO 1.125 DAYS - NO PAD/ROCK CONSTRAINT
BF,CONC80,TEMP,-5.40
BF,CONC75,TEMP,-7.44
BF,CONC70,TEMP,-8.81
BF,CONC65,TEMP,-3.10
BF,CONC60,TEMP,2.62
BF,CONC50,TEMP,15.00
```

```
BF,CONC40,TEMP,20.11
BF,CONC30,TEMP,20.32
BF,CONC20,TEMP,17.86
BF,CONC10,TEMP,11.88
BF,CONC05,TEMP,11.11
BF,CONC00,TEMP,10.33
BF,ROCK05,TEMP,9.55
BF,ROCK10,TEMP,8.78
BF,ROCK20,TEMP,2.81
BF,ROCK30,TEMP,0.35
BF,ROCK40,TEMP,0.01
LSWRITE,4
/title,DELTA T 1.125 TO 1.625 DAYS - NO PAD/ROCK CONSTRAINT
BF,CONC80,TEMP,-2.10
BF,CONC75,TEMP,-5.50
BF,CONC70,TEMP,-6.46
BF,CONC65,TEMP,-4.73
BF,CONC60,TEMP,-3.00
BF,CONC50,TEMP,2.25
BF,CONC40,TEMP,7.32
BF,CONC30,TEMP,8.45
BF,CONC20,TEMP,6.32
BF,CONC10,TEMP,3.74
BF,CONC05,TEMP,4.45
BF,CONC00,TEMP,5.16
BF,ROCK05,TEMP,5.88
BF,ROCK10,TEMP,6.60
BF,ROCK20,TEMP,3.98
BF,ROCK30,TEMP,1.38
BF,ROCK40,TEMP,0.25
LSWRITE,5
/title,DELTA T 1.625 TO 2.125 DAYS - NO PAD/ROCK CONSTRAINT
BF,CONC80,TEMP,-0.80
BF,CONC75,TEMP,-3.06
BF,CONC70,TEMP,-4.06
BF,CONC65,TEMP,-3.96
BF,CONC60,TEMP,-3.87
BF,CONC50,TEMP,-2.22
BF,CONC40,TEMP,0.96
BF,CONC30,TEMP,2.29
BF,CONC20,TEMP,1.53
BF,CONC10,TEMP,0.91
BF,CONC05,TEMP,1.87
BF,CONC00,TEMP,2.83
BF,ROCK05,TEMP,3.78
BF,ROCK10,TEMP,4.72
BF,ROCK20,TEMP,3.82
BF,ROCK30,TEMP,1.98
BF,ROCK40,TEMP,0.53
LSWRITE,6
/title,DELTA T 2.125 TO 2.375 DAYS - NO PAD/ROCK CONSTRAINT
BF,CONC80,TEMP,-0.20
BF,CONC75,TEMP,-0.94
BF,CONC70,TEMP,-1.28
BF,CONC65,TEMP,-1.47
BF,CONC60,TEMP,-1.65
BF,CONC50,TEMP,-1.51
```

```
BF,CONC40,TEMP,-0.54
BF,CONC30,TEMP,0.08
BF,CONC20,TEMP,0.09
BF,CONC10,TEMP,0.20
BF,CONC05,TEMP,0.63
BF,CONC00,TEMP,1.06
BF,ROCK05,TEMP,1.46
BF,ROCK10,TEMP,1.86
BF,ROCK20,TEMP,1.73
BF,ROCK30,TEMP,1.05
BF,ROCK40,TEMP,0.33
LSWRITE,7
/title,DELTA T 2.375 TO 3.125 DAYS - NO PAD/ROCK CONSTRAINT
BF,CONC80,TEMP,-0.50
BF,CONC75,TEMP,-2.13
BF,CONC70,TEMP,-3.07
BF,CONC65,TEMP,-3.90
BF,CONC60,TEMP,-4.74
BF,CONC50,TEMP,-5.60
BF,CONC40,TEMP,-4.20
BF,CONC30,TEMP,-2.72
BF,CONC20,TEMP,-1.85
BF,CONC10,TEMP,-0.66
BF,CONC05,TEMP,0.64
BF,CONC00,TEMP,1.94
BF,ROCK05,TEMP,3.10
BF,ROCK10,TEMP,4.26
BF,ROCK20,TEMP,4.39
BF,ROCK30,TEMP,3.00
BF,ROCK40,TEMP,1.03
LSWRITE,8
/title,DELTA T 3.125 TO 4.125 DAYS - NO PAD/ROCK CONSTRAINT
BF,CONC80,TEMP,-0.30
BF,CONC75,TEMP,-2.03
BF,CONC70,TEMP,-3.14
BF,CONC65,TEMP,-4.49
BF,CONC60,TEMP,-5.84
BF,CONC50,TEMP,-8.34
BF,CONC40,TEMP,-8.35
BF,CONC30,TEMP,-7.11
BF,CONC20,TEMP,-5.33
BF,CONC10,TEMP,-2.91
BF,CONC05,TEMP,-1.19
BF,CONC00,TEMP,0.54
BF,ROCK05,TEMP,1.98
BF,ROCK10,TEMP,3.43
BF,ROCK20,TEMP,4.18
BF,ROCK30,TEMP,3.19
BF,ROCK40,TEMP,1.18
LSWRITE,9
/title,DELTA T 4.125 TO 6.125 DAYS - NO PAD/ROCK CONSTRAINT
BF,CONC80,TEMP,0.0
BF,CONC75,TEMP,-1.38
BF,CONC70,TEMP,-2.61
BF,CONC65,TEMP,-4.76
BF,CONC60,TEMP,-6.91
BF,CONC50,TEMP,-11.78
```

```
206  BF,CONC40,TEMP,-13.65
207  BF,CONC30,TEMP,-12.77
208  BF,CONC20,TEMP,-9.82
209  BF,CONC10,TEMP,-5.60
210  BF,CONC05,TEMP,-3.36
211  BF,CONC00,TEMP,-1.12
212  BF,ROCK05,TEMP,0.66
213  BF,ROCK10,TEMP,2.43
214  BF,ROCK20,TEMP,4.06
215  BF,ROCK30,TEMP,3.52
216  BF,ROCK40,TEMP,1.37
217  LSWRITE,10
218  /title,DELTA T 6.125 TO 7.875 DAYS - NO PAD/ROCK CONSTRAINT
219  BF,CONC80,TEMP,0.0
220  BF,CONC75,TEMP,-0.69
221  BF,CONC70,TEMP,-1.33
222  BF,CONC65,TEMP,-2.51
223  BF,CONC60,TEMP,-3.69
224  BF,CONC50,TEMP,-6.58
225  BF,CONC40,TEMP,-8.12
226  BF,CONC30,TEMP,-8.10
227  BF,CONC20,TEMP,-6.75
228  BF,CONC10,TEMP,-4.56
229  BF,CONC05,TEMP,-3.38
230  BF,CONC00,TEMP,-2.20
231  BF,ROCK05,TEMP,-1.23
232  BF,ROCK10,TEMP,-0.25
233  BF,ROCK20,TEMP,0.85
234  BF,ROCK30,TEMP,1.01
235  BF,ROCK40,TEMP,0.43
236  LSWRITE,11
237  FINISH
238  /EXIT,NOSAVE

 RUN SETUP PROCEDURE FROM FILE= C:\Program Files\Ansys
Inc\ANSYS61\docu\start61.ans

 /INPUT FILE= C:\Program Files\Ansys Inc\ANSYS61\docu\start61.ans  LINE=       0

 CURRENT JOBNAME REDEFINED AS PADNC-TH

 RESUME ANSYS DATA FROM FILE NAME=PADNC-TH.db

 *** ANSYS GLOBAL STATUS ***

 TITLE = Pad thermal analysis model, no pad/rock constraint
 NUMBER OF ELEMENT TYPES =      5
    8812 ELEMENTS CURRENTLY SELECTED.  MAX ELEMENT NUMBER =     9341
   10212 NODES CURRENTLY SELECTED.     MAX NODE NUMBER =       10212
     166 KEYPOINTS CURRENTLY SELECTED. MAX KEYPOINT NUMBER =     166
     339 LINES CURRENTLY SELECTED.     MAX LINE NUMBER =         339
       2 AREAS CURRENTLY SELECTED.     MAX AREA NUMBER =         224
      48 VOLUMES CURRENTLY SELECTED.   MAX VOL. NUMBER =          48
      22 COMPONENTS CURRENTLY DEFINED
 MAXIMUM LINEAR PROPERTY NUMBER        =      12
 MAXIMUM REAL CONSTANT SET NUMBER      =       1
 ACTIVE COORDINATE SYSTEM              =       0  (CARTESIAN)
```

```
INITIAL JOBNAME = PADNC-TH
CURRENT JOBNAME = PADNC-TH

    8812  ELEMENTS (OF     8812  DEFINED) SELECTED BY  EALL  COMMAND.

   10212  NODES (OF    10212  DEFINED) SELECTED BY NALL  COMMAND.

LIST MATERIALS       1 TO      12 BY       1
 PROPERTY= ALL

PROPERTY TABLE EX    MAT=       1  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.20000E+07

PROPERTY TABLE NUXY  MAT=       1  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.24000

PROPERTY TABLE ALPX  MAT=       1  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.50000E-05

PROPERTY TABLE DENS  MAT=       1  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000      0.0000

PROPERTY TABLE EX    MAT=       2  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.92400E+06

PROPERTY TABLE NUXY  MAT=       2  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.15000

PROPERTY TABLE ALPX  MAT=       2  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.51800E-05

PROPERTY TABLE DENS  MAT=       2  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.78100E-01

PROPERTY TABLE EX    MAT=       3  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.13060E+07

PROPERTY TABLE NUXY  MAT=       3  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.15000

PROPERTY TABLE ALPX  MAT=       3  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.51800E-05

PROPERTY TABLE DENS  MAT=       3  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
```

```
    0.0000      0.78100E-01

PROPERTY TABLE EX    MAT=        4  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.14600E+07

PROPERTY TABLE NUXY  MAT=        4  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.15000

PROPERTY TABLE ALPX  MAT=        4  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.51800E-05

PROPERTY TABLE DENS  MAT=        4  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.78100E-01

PROPERTY TABLE EX    MAT=        5  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.19640E+07

PROPERTY TABLE NUXY  MAT=        5  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.15000

PROPERTY TABLE ALPX  MAT=        5  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.51800E-05

PROPERTY TABLE DENS  MAT=        5  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.78100E-01

PROPERTY TABLE EX    MAT=        6  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.23580E+07

PROPERTY TABLE NUXY  MAT=        6  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.15000

PROPERTY TABLE ALPX  MAT=        6  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.51800E-05

PROPERTY TABLE DENS  MAT=        6  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.78100E-01

PROPERTY TABLE EX    MAT=        7  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.26740E+07

PROPERTY TABLE NUXY  MAT=        7  NUM. POINTS=  1
  TEMPERATURE      DATA    TEMPERATURE      DATA    TEMPERATURE      DATA
    0.0000      0.15000
```

```
PROPERTY TABLE ALPX  MAT=        7  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.51800E-05

PROPERTY TABLE DENS  MAT=        7  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.78100E-01

PROPERTY TABLE EX    MAT=        8  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.27880E+07

PROPERTY TABLE NUXY  MAT=        8  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.15000

PROPERTY TABLE ALPX  MAT=        8  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.51800E-05

PROPERTY TABLE DENS  MAT=        8  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.78100E-01

PROPERTY TABLE EX    MAT=        9  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.30800E+07

PROPERTY TABLE NUXY  MAT=        9  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.15000

PROPERTY TABLE ALPX  MAT=        9  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.51800E-05

PROPERTY TABLE DENS  MAT=        9  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.78100E-01

PROPERTY TABLE EX    MAT=       10  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.32710E+07

PROPERTY TABLE NUXY  MAT=       10  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.15000

PROPERTY TABLE ALPX  MAT=       10  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.51800E-05

PROPERTY TABLE DENS  MAT=       10  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.78100E-01
```

```
PROPERTY TABLE EX    MAT=      11  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.35430E+07

PROPERTY TABLE NUXY  MAT=      11  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.15000

PROPERTY TABLE ALPX  MAT=      11  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.51800E-05

PROPERTY TABLE DENS  MAT=      11  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.78100E-01

PROPERTY TABLE EX    MAT=      12  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.36690E+07

PROPERTY TABLE NUXY  MAT=      12  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.15000

PROPERTY TABLE ALPX  MAT=      12  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.51800E-05

PROPERTY TABLE DENS  MAT=      12  NUM. POINTS=  1
  TEMPERATURE     DATA    TEMPERATURE     DATA    TEMPERATURE     DATA
    0.0000     0.78100E-01

LIST ALL DEFINED COMPONENTS
1

***** ANSYS - ENGINEERING ANALYSIS SYSTEM  RELEASE 6.1     *****
ANSYS/Mechanical U
00245050          VERSION=INTEL NT      13:34:25  JAN 03, 2003 CP=      0.411

Pad thermal analysis model, no pad/rock constraint


   NAME                                TYPE      SUBCOMPONENTS

  BOT                                  NODE
  CONC00                               NODE
  CONC05                               NODE
  CONC10                               NODE
  CONC20                               NODE
  CONC30                               NODE
  CONC40                               NODE
  CONC50                               NODE
  CONC60                               NODE
  CONC65                               NODE
  CONC70                               NODE
  CONC75                               NODE
  CONC80                               NODE
```

```
 ROCK05                              NODE
 ROCK10                              NODE
 ROCK20                              NODE
 ROCK30                              NODE
 ROCK40                              NODE
 SYMXY                               NODE
 SYMYZ                               NODE
 XEDGE                               NODE
 ZEDGE                               NODE
1

 ***** ANSYS - ENGINEERING ANALYSIS SYSTEM  RELEASE 6.1      *****
 ANSYS/Mechanical U
 00245050          VERSION=INTEL NT      13:34:25  JAN 03, 2003 CP=      0.411

 Pad thermal analysis model, no pad/rock constraint


         ***** ANSYS ANALYSIS DEFINITION (PREP7) *****

 DELETE ALL BOUNDARY CONDITIONS, REMOVE INERTIA LOADS,
      AND REINITIALIZE LOAD STEP OPTIONS


 TITLE=
 DELTA T 0.0 TO 0.25 DAYS - NO PAD/ROCK CONSTRAINT

  BC'S ALL LOAD STEPS
 80% DEAD WEIGHT FOR FIRST LOAD STEP

 ACEL=    0.0000     0.80000      0.0000

 SPECIFIED CONSTRAINT UZ   FOR PICKED NODES
 REAL=  0.00000000       IMAG=  0.00000000

 SPECIFIED CONSTRAINT UX   FOR PICKED NODES
 REAL=  0.00000000       IMAG=  0.00000000

 SPECIFIED CONSTRAINT UX   FOR PICKED NODES
 REAL=  0.00000000       IMAG=  0.00000000

 SPECIFIED CONSTRAINT UY   FOR PICKED NODES
 REAL=  0.00000000       IMAG=  0.00000000

 SPECIFIED CONSTRAINT UZ   FOR PICKED NODES
 REAL=  0.00000000       IMAG=  0.00000000

 SPECIFIED CONSTRAINT UX   FOR PICKED NODES
 REAL=  0.00000000       IMAG=  0.00000000

 SPECIFIED CONSTRAINT UY   FOR PICKED NODES
 REAL=  0.00000000       IMAG=  0.00000000

 SPECIFIED CONSTRAINT UZ   FOR PICKED NODES
 REAL=  0.00000000       IMAG=  0.00000000

 SPECIFIED CONSTRAINT UX   FOR PICKED NODES
```

```
REAL=  0.00000000        IMAG=  0.00000000

SPECIFIED CONSTRAINT UY   FOR PICKED NODES
REAL=  0.00000000        IMAG=  0.00000000

SPECIFIED CONSTRAINT UZ   FOR PICKED NODES
REAL=  0.00000000        IMAG=  0.00000000

UNIFORM TEMPERATURE SET TO   0.00000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  15.0000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  18.0000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  19.6700000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  21.3300000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  21.3300000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  21.3300000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  21.3300000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  21.3300000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  21.3300000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  20.5000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  19.6600000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  10.6700000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.67000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.840000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  0.00000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  0.00000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  0.00000000

WRITE ANSYS LOADS DATA AS FILE=PADNC-TH.s01

TITLE=
DELTA T 0.25 TO 0.50 DAYS - NO PAD/ROCK CONSTRAINT

 20% DEAD WEIGHT FOR SECOND LOAD STEP

ACEL=    0.0000     0.20000      0.0000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -2.50000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  10.5000000
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SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  9.25000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  8.00000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  16.6700000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  25.3300000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  25.3300000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  25.3300000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  25.1200000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  21.4100000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  17.9200000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  12.6600000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  7.41000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  3.91000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.210000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  0.00000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  0.00000000
WRITE ANSYS LOADS DATA AS FILE=PADNC-TH.s02

TITLE=
DELTA T 0.50 TO 0.625 DAYS - NO PAD/ROCK CONSTRAINT

 NO DEAD WEIGHT AFTER SECOND LOAD STEP

ACEL=    0.0000     0.10000E-01  0.0000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -3.00000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -1.35000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  9.32000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  13.4600000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  9.33000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  9.33000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  9.33000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  9.33000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  9.33000000
```

```
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  9.33000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  2.04000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  4.67000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  7.30000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  0.00000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  0.00000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  0.00000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  0.00000000

WRITE ANSYS LOADS DATA AS FILE=PADNC-TH.s03

TITLE=
DELTA T 0.625 TO 1.125 DAYS - NO PAD/ROCK CONSTRAINT

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -5.40000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -7.44000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -8.81000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -3.10000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  2.62000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  15.0000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  20.1100000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  20.3200000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  17.8600000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  11.8800000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  11.1100000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  10.3300000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  9.55000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  8.78000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  2.81000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.350000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 1.000000000E-02

WRITE ANSYS LOADS DATA AS FILE=PADNC-TH.s04
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TITLE=
DELTA T 1.125 TO 1.625 DAYS - NO PAD/ROCK CONSTRAINT

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -2.10000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -5.50000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -6.46000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -4.73000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -3.00000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  2.25000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  7.32000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  8.45000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  6.32000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  3.74000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  4.45000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  5.16000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  5.88000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  6.60000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  3.98000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.38000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.250000000

WRITE ANSYS LOADS DATA AS FILE=PADNC-TH.s05

TITLE=
DELTA T 1.625 TO 2.125 DAYS - NO PAD/ROCK CONSTRAINT

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO-0.800000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -3.06000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -4.06000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -3.96000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -3.87000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -2.22000000
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SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.960000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  2.29000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.53000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.910000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.87000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  2.83000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  3.78000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  4.72000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  3.82000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.98000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.530000000

WRITE ANSYS LOADS DATA AS FILE=PADNC-TH.s06

TITLE=
DELTA T 2.125 TO 2.375 DAYS - NO PAD/ROCK CONSTRAINT

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO-0.200000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO-0.940000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -1.28000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -1.47000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -1.65000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -1.51000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO-0.540000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 8.000000000E-02

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 9.000000000E-02

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.200000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.630000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.06000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.46000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.86000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.73000000
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SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.05000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.330000000

WRITE ANSYS LOADS DATA AS FILE=PADNC-TH.s07

TITLE=
DELTA T 2.375 TO 3.125 DAYS - NO PAD/ROCK CONSTRAINT

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO-0.500000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -2.13000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -3.07000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -3.90000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -4.74000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -5.60000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -4.20000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -2.72000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -1.85000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO-0.660000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.640000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.94000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  3.10000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  4.26000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  4.39000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  3.00000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.03000000

WRITE ANSYS LOADS DATA AS FILE=PADNC-TH.s08

TITLE=
DELTA T 3.125 TO 4.125 DAYS - NO PAD/ROCK CONSTRAINT

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO-0.300000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -2.03000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -3.14000000
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SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -4.49000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -5.84000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -8.34000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -8.35000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -7.11000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -5.33000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -2.91000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -1.19000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.540000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.98000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  3.43000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  4.18000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  3.19000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.18000000
WRITE ANSYS LOADS DATA AS FILE=PADNC-TH.s09

TITLE=
DELTA T 4.125 TO 6.125 DAYS - NO PAD/ROCK CONSTRAINT

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  0.00000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -1.38000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -2.61000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -4.76000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -6.91000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -11.7800000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -13.6500000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -12.7700000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -9.82000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -5.60000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -3.36000000
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -1.12000000
```

```
SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.660000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  2.43000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  4.06000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  3.52000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.37000000

WRITE ANSYS LOADS DATA AS FILE=PADNC-TH.s10

TITLE=
DELTA T 6.125 TO 7.875 DAYS - NO PAD/ROCK CONSTRAINT

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  0.00000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO-0.690000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -1.33000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -2.51000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -3.69000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -6.58000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -8.12000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -8.10000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -6.75000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -4.56000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -3.38000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -2.20000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO -1.23000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO-0.250000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.850000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO  1.01000000

SPECIFIED BODY FORCE TEMP FOR ALL PICKED NODES SET TO 0.430000000

WRITE ANSYS LOADS DATA AS FILE=PADNC-TH.s11

***** ROUTINE COMPLETED *****  CP =          1.743
```

```
EXIT ANSYS WITHOUT SAVING DATABASE


NUMBER OF WARNING MESSAGES ENCOUNTERED=          1
NUMBER OF ERROR   MESSAGES ENCOUNTERED=          0


*-----------------------------------------------------------------------*
|                                                                       |
|                          ANSYS RUN COMPLETED                          |
|                                                                       |
|-----------------------------------------------------------------------|
|                                                                       |
|           Release 6.1            UP20020321         INTEL NT          |
|                                                                       |
|-----------------------------------------------------------------------|
|                                                                       |
|   Maximum Scratch Memory Used       =      115548 Words        0.441 MB |
|                                                                       |
|-----------------------------------------------------------------------|
|                                                                       |
|        CP Time      (sec) =          1.743       Time  =  13:34:27    |
|        Elapsed Time (sec) =          4.000       Date  =  01/03/2003  |
|                                                                       |
*-----------------------------------------------------------------------*
```