

Run stream for the directory:

NOTE: In this run stream it is assumed that the PARENT directory for BOSOR5 is:

/home/progs/work8

This will probably be different at your facility.

This run stream pertains to the case called "1", which is located in the following directory:

/home/progs/work8/bosor5/case/case1

This test case was last run on January 30, 2011.

Now begin to process this test case.

Do the following:

mkdir /home/progs/work8/work (create working directory)

cd /home/progs/work8/work (go to working directory)

cp /home/progs/work8/bosor5/case/case1/1.ALL .

cp /home/progs/work8/bosor5/case/case1/1.IMP1 .

cp /home/progs/work8/bosor5/case/case1/1.IMP2 .

cp /home/progs/work8/bosor5/case/case1/1.IMP3 .

cp /home/progs/work8/bosor5/case/case1/1.IPP1 .

cp /home/progs/work8/bosor5/case/case1/1.IPP2 .

bosor5log (activate bosor5 commands)

bosorread (run bosor5 preprocessor. Case name is "1"
input file is 1.ALL)

cp 1.IMP1 1.IMP (case names for mainprocessor always end with ".IMP")

mainsetup (run mainsetup. Input file is 1.IMP)

bosormain (run bosor5 mainprocessor. Convergence fails at load step 5)
(Inspect the 1.MAI file, output from bosormain (1.MAI1))

cp 1.IMP2 1.IMP (re-start at load step 4;
case names for mainprocessor always end with ".IMP")

mainsetup (run mainsetup. Input file is 1.IMP)

bosormain (run bosor5 mainprocessor. Convergence fails at load step 9)
(Inspect the 1.MAI file, output from bosormain (1.MAI2))

cp 1.IMP3 1.IMP (look for minimum bifurcation buckling
case names for mainprocessor always end with ".IMP")

mainsetup (run mainsetup. Input file is 1.IMP)

bosormain (run concludes successfully)
(Inspect the 1.MAI file, output from bosormain (1.MAI3))

cp 1.IPP1 1.IPP (case names for postprocessor always end with ".IPP")
postsetup (run postsetup. Input file is 1.IPP)
bosorpost (run bosor5 postprocessor)

----- the following is written to your screen -----
Next, give the command BOSORPOST

```
bush-> bosorpost
Enter case name: 1
B (background) or F (foreground): f
```

Running BOSOR5: bosorpost, case: 1

```
Executing bosorpost
Normal termination: bosorpost
Case 1 postprocessor run completed.
Next, choose from the commands:
      BOSORPLOT, MAINSETUP, POSTSETUP, INPUT, CLEANUP, GETSEGS, OR MODIFY
0.149u 0.087s 0:00.30 73.3%    0+0k 0+0io 1pf+0w
----- end of stuff written to your screen -----
```

(Inspect the 1.POS file, output from bosorpost (1.POS1))

```
bosorplot (get whatever plots you want)
(see the file, "bosor5.plotting1", for the interactive "bosorplot" session)
(With the use of Alternative 2 in bosor5.plotting1, do the following:)
mv metafile.ps plot1.ps
gv plot1.ps      ("gv" means "ghost view". You can see the plot on your
                  screen. You have to have the "ghost view" utility at
                  your facility.)
```

```
cp 1.IPP2 1.IPP (case names for postprocessor always end with ".IPP")
postsetup (run postsetup. Input file is 1.IPP)
bosorpost (run bosor5 postprocessor)
(Inspect the 1.POS file, output from bosorpost (1.POS2))
bosorplot (get whatever plots you want)
(see the file, "bosor5.plotting2", for the interactive "bosorplot" session)
(With the use of Alternative 2 in bosor5.plotting2, do the following:)
mv metafile.ps plot2.ps
gv plot2.ps      ("gv" means "ghost view". You can see the plot on your
                  screen. You have to have the "ghost view" utility at
                  your facility.)
```

(The files existing before "cleanup" are the following:)

```

-rw-r--r-- 1 bush bush 68722 Jan 30 08:56 1.ALL
-rw-r--r-- 1 bush bush 36588 Jan 30 08:59 1.BLK
-rw-r--r-- 1 bush bush 68722 Jan 30 08:58 1.DOC
-rw-r--r-- 1 bush bush 1545 Jan 30 08:59 1.IMP
-rw-r--r-- 1 bush bush 955 Jan 30 08:02 1.IMP1
-rw-r--r-- 1 bush bush 955 Jan 30 08:02 1.IMP2
-rw-r--r-- 1 bush bush 1545 Jan 30 08:02 1.IMP3
-rw-r--r-- 1 bush bush 776 Jan 30 09:01 1.IPP
-rw-r--r-- 1 bush bush 2144 Jan 30 08:02 1.IPP1
-rw-r--r-- 1 bush bush 776 Jan 30 08:02 1.IPP2
-rw-r--r-- 1 bush bush 45 Jan 30 09:01 1.LAB
-rw-r--r-- 1 bush bush 17585 Jan 30 08:59 1.MAI (NOTE: 1.MAI = 1.MAI3
only)
-rw-r--r-- 1 bush bush 271237 Jan 30 09:01 1.OUT
-rw-r--r-- 1 bush bush 28496 Jan 30 09:01 1.PLT2
-rw-r--r-- 1 bush bush 29648 Jan 30 09:01 1.POS (NOTE: 1.POS = 1.POS2
only)
-rw-r--r-- 1 bush bush 877056 Jan 30 09:01 1.RAN
-rw-r--r-- 1 bush bush 27682 Jan 30 08:16 plot1.ps (generated only with
the use
-rw-r--r-- 1 bush bush 27370 Jan 30 08:50 plot2.ps of Alternative 2 in
bosor5.plotting1
and
bosor5.plotting2)

```

cleanup (cleans up the files for the case called "1")

(The files remaining after "cleanup" are the following:)

```

-rw-r--r-- 1 bush bush 68722 Jan 30 08:56 1.ALL
-rw-r--r-- 1 bush bush 68722 Jan 30 08:02 1.DOC
-rw-r--r-- 1 bush bush 1545 Jan 30 08:44 1.IMP (NOTE: 1.IMP = 1.IMP3)
-rw-r--r-- 1 bush bush 955 Jan 30 08:02 1.IMP1
-rw-r--r-- 1 bush bush 955 Jan 30 08:02 1.IMP2
-rw-r--r-- 1 bush bush 1545 Jan 30 08:02 1.IMP3
-rw-r--r-- 1 bush bush 776 Jan 30 08:45 1.IPP (NOTE: 1.IPP = 1.IPP2)
-rw-r--r-- 1 bush bush 2144 Jan 30 08:02 1.IPP1
-rw-r--r-- 1 bush bush 776 Jan 30 08:02 1.IPP2
-rw-r--r-- 1 bush bush 27682 Jan 30 08:16 plot1.ps (generated only with
the use
-rw-r--r-- 1 bush bush 27370 Jan 30 08:50 plot2.ps of Alternative 2 in
bosor5.plotting1
and bosor5.plotting2)

```

End of run stream for the case, /home/progs/work8/bosor5/case/case1/1.xxx