

Table 74 Input data, *.OPT, for "MAINSETUP" for the "perfect" unstiffened equivalent ellipsoidal shell. This file is called "egellperf.unstiffened.OPT". Change the case name from "egellperf.unstiffened" to "egellperf" before processing. Compare with Table 37, for which there are two load sets, Loadsets 1 and 2.

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n      $ Do you want a tutorial session and tutorial output?
0      $ Choose an analysis you DON'T want (1, 2,...), IBEHAV
0      $ NPRINT= output index (0=GOOD, 1=ok, 2=debug, 3=too much)
1      $ Choose type of analysis (1=opt., 2=fixed, 3=sensit.) ITYPE
5      $ How many design iterations in this run (3 to 25)?
n      $ Take "shortcuts" for perturbed designs (Y or N)?
2      $ Choose 1 or 2 or 3 or 4 or 5 for IDESIGN
1      $ Choose 1 or 2 or 3 or 4 or 5 for move limits, IMOVE
y      $ Do you want default (RATIO=10) for initial move limit jump?
y      $ Do you want the default perturbation (dx/x = 0.05)?
y      $ Do you want to have dx/x modified by GENOPT?
n      $ Do you want to reset total iterations to zero (Type H)?
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NOTES:

1. The input line for IBEHAV is repeated NCASES times, where NCASES = the number of load sets. In this case there is only one load set, corresponding to the shell with a +mode 1 and a +mode 2 axisymmetric imperfection. The imperfection amplitude is very, very small (Wimp = 0.0001). Therefore, the second load set, that with -mode 1 and -mode 2, is not needed for this "perfect" shell.

2. For definitions of IDESIGN, IMOVE, and RATIO see the file URPROMPT.DAT, which is listed in Table a24 of the appendix.