
EXERCISE 13

Final Testing of Miracle



Objectives:

- Run a session file to test the end-to-end integration of “Miracle”



Problem Description:

In this Exercise, you will be testing the final integration of “Miracle” analysis code into p3. In particular, you will run a p3 session file, which (1) creates a 3D model of a clevis; (2) submits the model to be analyzed by “Miracle”; and (3) reads the analysis results back into p3 to plot stress results.

Suggested Exercise Steps:

- Read Miracle_test.ses session file into p3.
- Make sure that the session file creates fringe plot of Von Mises stresses.

Exercise Procedure:

1. Read the session file into p3.

Type p3 in your xterm.

Now read in the session file called Miracle_test.ses

2. Verify that the session file completed properly.

The final plot on the patran screen should be a fringe plot of fictitious Von Mises stresses. The plot should look like the one below.



In the xterm that started p3, you should find some diagnostic messages from Miracle forward_translator, analysis code and reverse_translators. If the run completed properly, the results should appear as shown below:



