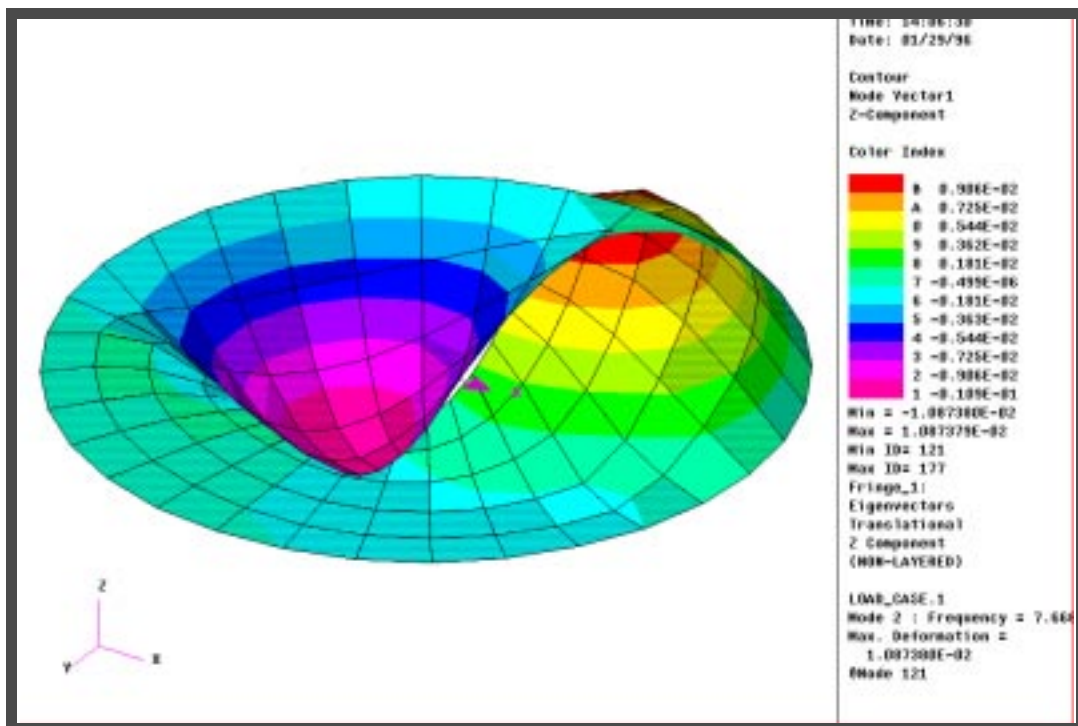


## Supplementary Exercise - 1

### *Animation with Insight*



### Objective:

- To post process and animate results using Insight.



## Model Description:

In this exercise you will examine the analysis results of an annular plate model by creating deformed shape and fringe plots for the model. You will perform a simple modal animation. You will superimpose a fringe plot on a deformed shape and animate them simultaneously.

## Suggested Exercise Steps:

- Create a new database and name it **Annular\_plate.db**.
- Change the analysis preference to MSC/NASTRAN.
- Read in the model and results from the MSC.Nastran output2 file **Annular\_plate.op2**.
- Turn off all entity labels and set the view angle to -120, 0, 33.
- Define a sinusoidal animation of the first mode. Use a Wireframe display of the model. After the modal animator tool is created, modify its scale factor to a value of 0.25.
- Unpost the first deformation tool. Create a new deformation tool of the translational displacements for mode 2, 3, and 4, and then animate each mode.
- Create a fringe plot of displacements for one of the modes, and then animate the fringe plot.
- Try shrink the elements to 0.3 and re-animating.

