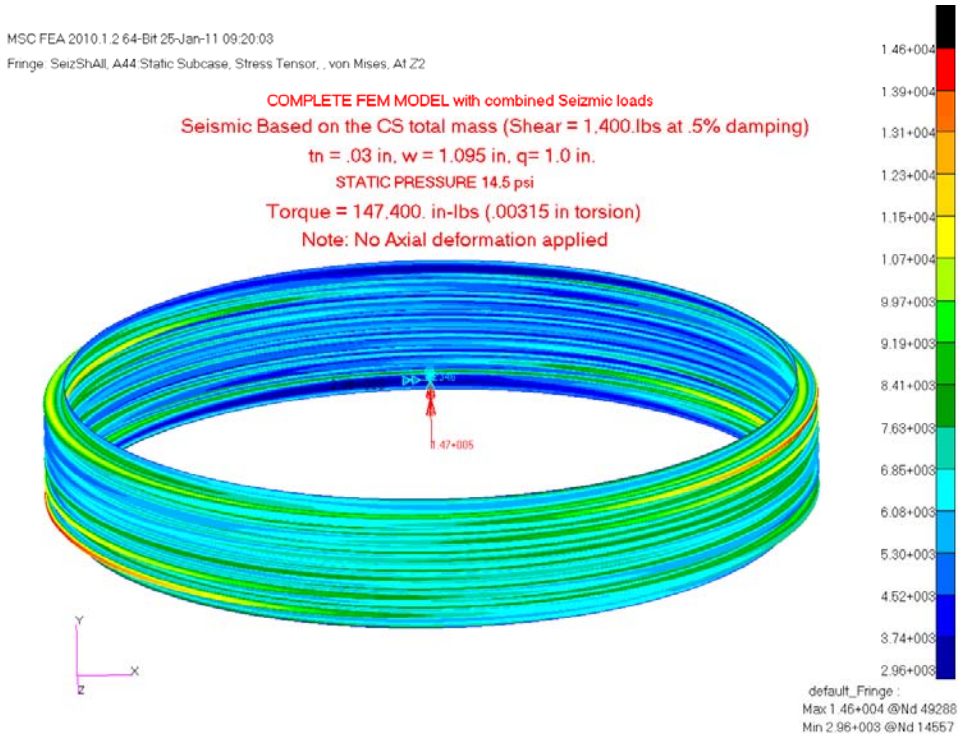
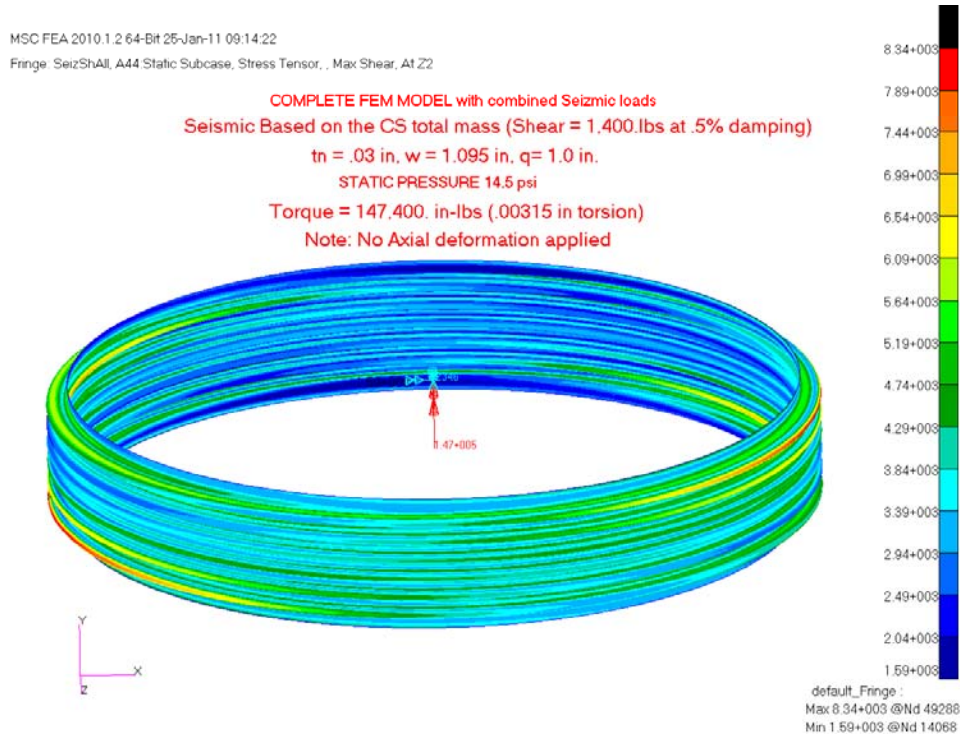
Seismic data included
No Axial deformation

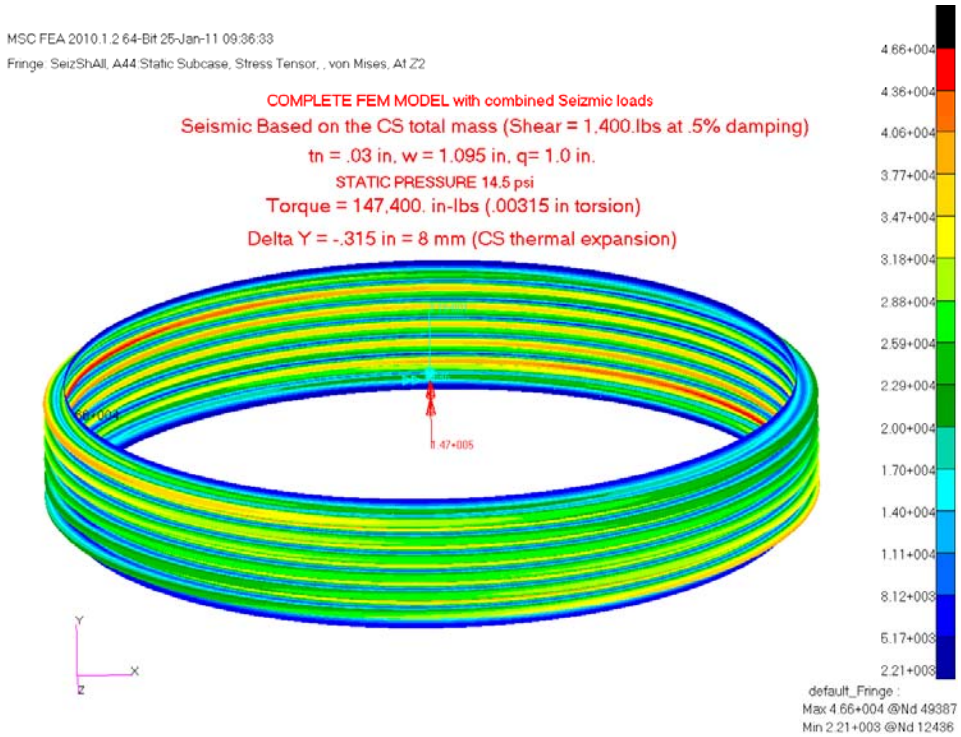
Static Calculations

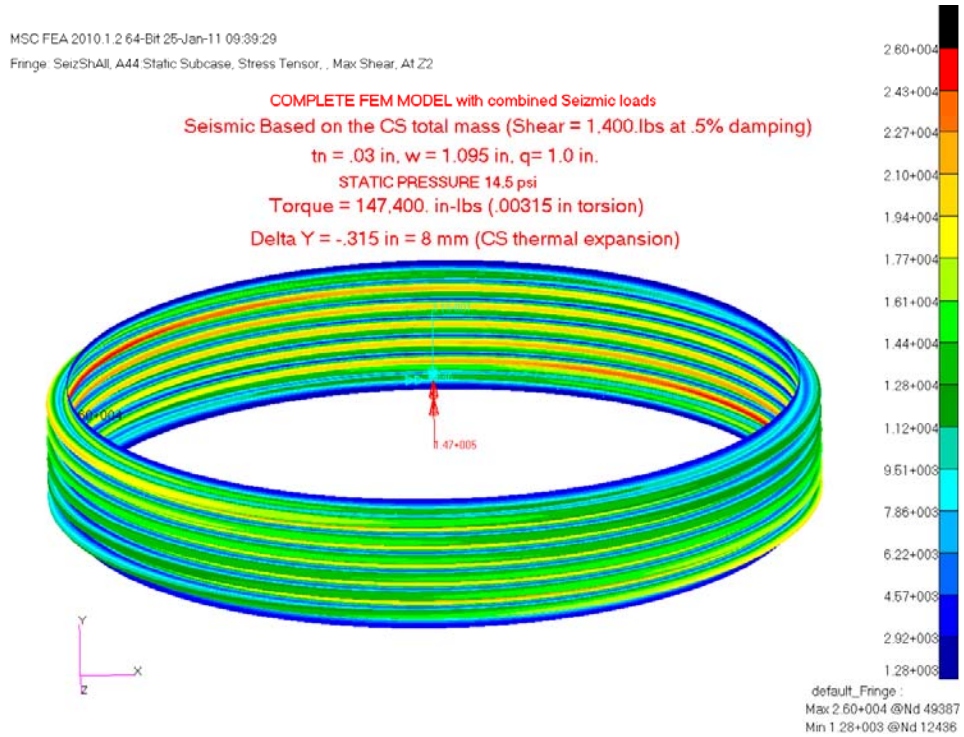
P. Rogoff
1/25/2011





Seismic Data Including
Axial deformation due to the Cs thermal expansion



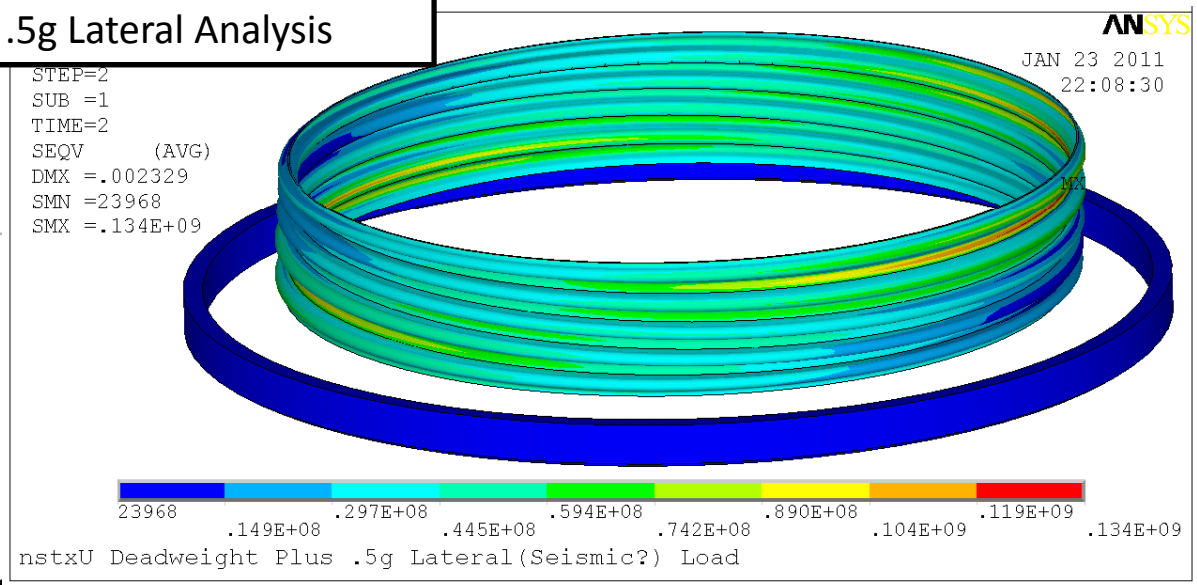


The next slide shows Seismic results which were obtained from the the complete NSTX update structure simulation with ANSYS 12.1. This work was completed by P. Titus and it is also available under a different calculation report. (See, NSTXU-CALC-10-01-02)

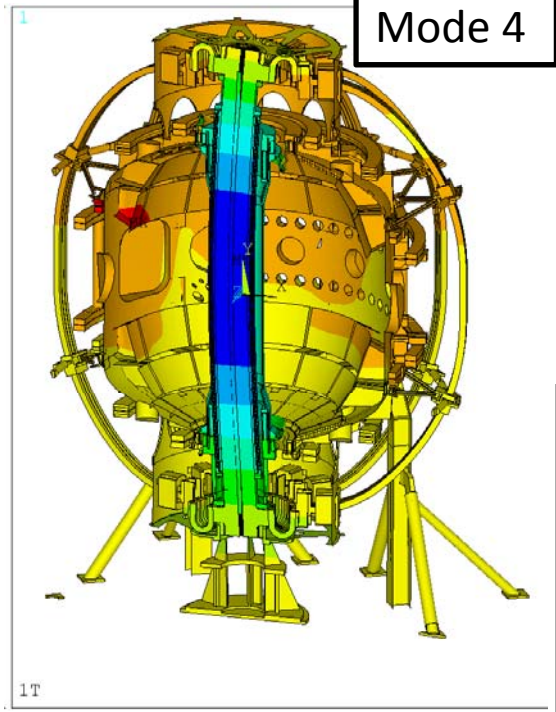
These calculations were completed using the standard seismic scenario for the TFTR facilities with .05% damping.

Both calculations show maximum stress results well within the material Yield allowable for the Inconel bellows.

Bottom Bellows Static
.5g Lateral Analysis



Mode 4



Bottom Bellows
Modal Analysis