

Optimized isogrid-stiffened equivalent ellipsoidal shell
 PA= 1.0: applied external pressure = PA x 460 = 460 psi
 step 9 fabrication system, seff, layer 2, outer fiber
 nonlinear effective stress (psi) in shell skin - layer 2 outer fiber
 eqellipse.stiffened.opm4 with a -mode 1 imperfection with Wimp = -0.2inch

Θ x -35.84
 Θ y -13.14
 Θ z 35.63

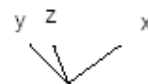


Fig. 31 STAGS prediction of **outer fiber effective stress in the skin** with a **-mode 1** imperfection. Compare with the Table 44 prediction at Seg. 1: SKNMAX=120520 psi.