mode 2, pcr(STAGS)=2.993 x 460 = 1376.8 psi; BIGBOSOR4 gets 1374.4 psi
Eigenvalue no. 8. Here "mode 2" means the 2nd axisymmetric mode.   Θ x -35.84
                                                                          Θ y -13.14
step   0   eigenvector   deformed geometry   Θ z   35.63
linear buckling of perfect shell: unstiffened equivalent ellipsoid with thick apex (Seg.1)

Fig. 151 Linear buckling mode from STAGS that corresponds to the eighth eigenvalue for the **optimized unstiffened equivalent ellipsoidal shell with the thick apex with t(apex) = 0.4 inch; the optimum design is listed in Table 78.** Compare this mode with the axisymmetric **mode 2** determined by BIGBOSOR4 and displayed in Fig. 146. Also, compare with the STAGS buckling mode shown in Fig. 78.