STAGS "crude" 180-degree "soccerball" model

axisymmetric mode 1, pcr(STAGS)=3.0936 x 460 = 1423.1 psi; BIGBOSOR4 gets 1432.2 psi
This is the thick-apex shell optimized with Wimp=0.2 inch.
shell is optimized with lower bound of thickness, t(apex) = 0.6 inch
linear buckling of perfect unstiffened shell; thick apex: t=0.61996 in Segment 1 of Fig. 2

Θ x -35.84
Θ y -13.14
Θ z   35.63

Fig. 231 Linear buckling mode from STAGS that corresponds to the lowest eigenvalue for the **optimized unstiffened equivalent ellipsoidal shell with the thick apex with t(apex) = 0.61996 inch; the optimum design is listed in Table 93.** Compare this axisymmetric buckling mode from the 180-degree "soccerball" STAGS model with the analogous linear axisymmetric buckling mode from the 360-degree STAGS model (Fig. 147) of the design listed in Table 78. Compare with the analogous linear axisymmetric buckling mode from the "soccerball" STAGS model (Fig. 177) of the design listed in Table 78. Also compare this mode with the axisymmetric **mode 1** (Fig. 229) determined by BIGBOSOR4 for the design listed in Table 93.