



Fig. 236 Linear buckling mode from STAGS that corresponds to the fifth 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 n=2-circumferential-waves buckling mode from the 180-degree "soccerball" STAGS model with the analogous linear n = 2 buckling mode from the 360-degree STAGS model (Fig. 149) of the design listed in Table 78. Compare with the analogous linear n= 2 buckling mode from the "soccerball" STAGS model (Fig. 178) of the design listed in Table 78. **Shells of revolution with imperfections with this non-axisymmetric shape cannot be handled by BIGBOSOR4.** Therefore, GENOPT optimization occurs in the presence of only axisymmetric buckling modal imperfections.