



Fig. 177 Linear buckling mode from STAGS that corresponds to the lowest eigenvalue for the **optimized unstiffened equivalent ellipsoidal shell with the thick apex with $t(\text{apex}) = 0.4$ inch; the optimum design is listed in Table 78.** Compare this 180-degree "soccerball" model with the 360-degree STAGS model displayed in Fig. 147. Also compare this mode with the axisymmetric mode 1 determined by BIGBOSOR4 and displayed in Fig. 145.