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axisymmetric mode 1, pcr(STAGS)=2.1803 x 460 = 1002.9 psi; BIGBOSOR4 gets 1010.4 psi

This is the thick-apex shell optimized with Wimp=0.1 inch.

Step 0 eigenvector deformed geometry

Fig. 2 bigs of perfect unstiffened shell; thick apex: t=0.47183 in Segment 1 of Fig. 2
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Fig. 204 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) = 0.47183 inch; the optimum design is listed in Table 89.** Compare this 180-degree "soccerball" model with the STAGS model displayed in Figs. 147 and 177. Also compare this mode with the axisymmetric mode 1 determined by BIGBOSOR4 and displayed in Fig. 202.