

Fig. 148 Non-axisymmetric (n=1 circumferential wave) linear buckling mode from STAGS that corresponds to the second 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 that obtained from the STAGS "soccerball" models displayed in Figs. 179 and 190 for the same shell. 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.