

mode 1, pcr(STAGS) = 2.8336 x 460 = 1303.4 psi; BIGBOSOR4 gets 1305.7 psi meridional mesh density for approximately square finite elements $\begin{array}{c}\Theta$ x -35.84 eigenvector, deformed geometry; model with 10 degrees of circumference $\begin{array}{c}\Theta$ y -13.14 innear buckling of perfect shell; isogrid-stiffened equivalent ellipsoid; eqellipse.stiffened.opm4

Fig. 36 STAGS prediction of linear bifurcation buckling of the optimized **isogrid-stiffened** equivalent ellipsoidal shell from a refined model that subtends 10 degrees of circumference. This is the fundamental (lowest eigenvalue) buckling mode from STAGS. The analogous axisymmetric mode computed by BIGBOSOR4 (Fig. 4) is called "**mode** 1" in the GENOPT jargon. Compare with Figs. 4 and 6.