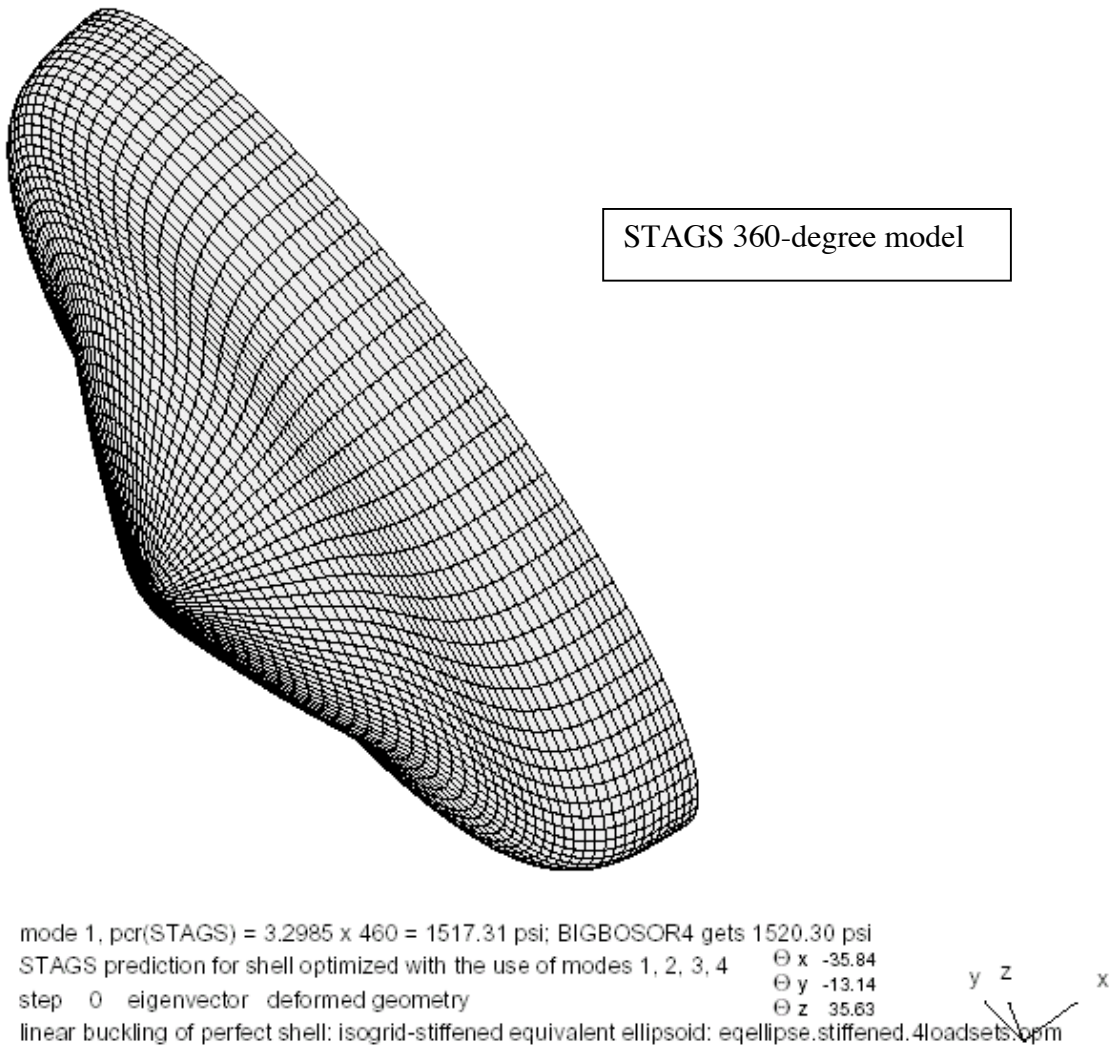

Fig. 58 +Mode 1 axisymmetric linear buckling modal imperfection shape from STAGS for the optimum design of the **isogrid-stiffened** equivalent ellipsoidal shell listed in Table 52. The optimum design was obtained with BIGBOSOR4 with the use of plus and minus axisymmetric **mode 1, mode 2, mode 3, and mode 4** imperfection shapes with amplitude, Wimp = 0.2 inch. This STAGS buckling mode is analogous to the axisymmetric buckling mode from BIGBOSOR4 shown in Fig. 54, which in GENOPT jargon is called "**mode 1**". This STAGS buckling mode corresponds to eigenvalue no. 1. Compare with the analogous buckling mode for the "2-mode" optimized isogrid-stiffened shell shown in Fig. 6.