STAGS 360-degree model

mode 16, pcr(STAGS) = 5.1931 x 460 = 2.388.83 psi; BIGBOSOR4 gets 2403.50 psi
STAGS prediction for shell optimized with the use of modes 1, 2, 3, 4   Θ x -35.84
                                                                          Θ y -13.14
step   0   eigenvector deformed geometry   Θ z   35.63
linear buckling of perfect shell: isogrid-stiffened equivalent ellipsoid: eqellipse.stiffened.4loadsets.opm

Fig. 67 n = 0 circumferential waves (axisymmetric) linear buckling mode 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. 57, which in GENOPT
jargon is called "**mode 4**". It corresponds to eigenvalue no. 16 in the STAGS model.