Equivalent unstiffened ellipsoid: mode 4 axisymmetric imperfection shape

BIGBOSOR4 model

Axial Station (inches)

Radius (inches)

Fig. 101 **+Mode 4** axisymmetric linear buckling modal imperfection shape from BIGBOSOR4 for the 4-mode-optimized design of the **unstiffened** equivalent ellipsoidal shell listed in Table 65. The optimum design was obtained with the use of plus and minus **mode 1, mode 2, mode 3, and mode 4** axisymmetric imperfection shapes with amplitude, Wimp = 0.2 inch. Compare with Fig. 57, which shows the +mode 4 axisymmetric buckling mode for the "4-mode" optimized isogrid-stiffened shell.