STAGS 360-degree model

The unstiffened shell was optimized by GENOPT with very tiny Mode 1 and 2 axisymmetric imperfections.
STAGS linear buckling mode 1, pcr= 1.2347 x 460 psi

BIGBOSOR4 gets pcr = 1.2306 x 460 psi for axisymmetric Mode 1

linear buckling of unstiffened perfect shell, optimized with very tiny mode 1 and 2 imperfections

Θ x -35.84
Θ y -13.14
Θ z   35.63

Fig. 132 Mode 1 axisymmetric linear buckling modal imperfection shape from STAGS for the optimized design of the "**perfect" unstiffened** equivalent ellipsoidal shell. The optimum design is listed in Table 33 under the heading, "unstiffened, perfect". This STAGS buckling mode corresponds to eigenvalue no. 1. Compare with the BIGBOSOR4 prediction in Fig. 130.