

STAGS 360-degree model

The unstiffened shell was optimized by GENOPT with very tiny Mode 1 and 2 axisymmetric imperfections.
 STAGS linear buckling mode 2, pcr= 1.2466 x 460 psi
 step 0 eigenvector deformed geometry
 linear buckling of unstiffened perfect shell, optimized with very tiny mode 1 and 2 imperfections

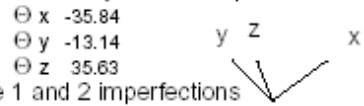


Fig. 133 $n = 3$ circumferential waves non-axisymmetric linear buckling mode shape from STAGS for the optimized design of the “**perfect**” **unstiffened** equivalent ellipsoidal shell. The optimum design is listed in Table 33 under the heading, “unstiffened, perfect”. This STAGS buckling mode corresponds to eigenvalue no. 2.