

- BIGBOSOR4 prediction of nonlinear axisymmetric collapse of the PERFECT shell
- STAGS prediction of nonlinear axisymmetric collapse of the PERFECT shell
- △ BIGBOSOR4 INDIC=1 prediction of nonlinear bifurcation of the PERFECT shell (n=3 circ.waves).
- + BIGBOSOR4 INDIC=-2 prediction of nonlinear bifurcation of the PERFECT shell (n=3 circ.waves).
- × STAGS prediction of nonlinear bifurcation of the PERFECT shell (n=3 circ.waves).
- ◇ BIGBOSOR4 prediction of linear bifurcation buckling of the PERFECT shell (n=0 circ.waves).
- ▽ STAGS prediction of linear bifurcation buckling of the PERFECT shell (n=0 circ.waves).
- ⊠ STAGS prediction of linear bifurcation buckling of the PERFECT shell (n=1 circ.waves).
- × BIGBOSOR4 prediction of linear bifurcation buckling of the PERFECT shell (n=1 circ.waves).
- ⊕ STAGS prediction of nonlinear collapse of the IMPERFECT shell (Wimp=0.001 inch; n=3 mode).
- ⊗ BOSOR5 elastic-plastic results from eqellperf.stiffened.bosor5.ALL: perfect shell

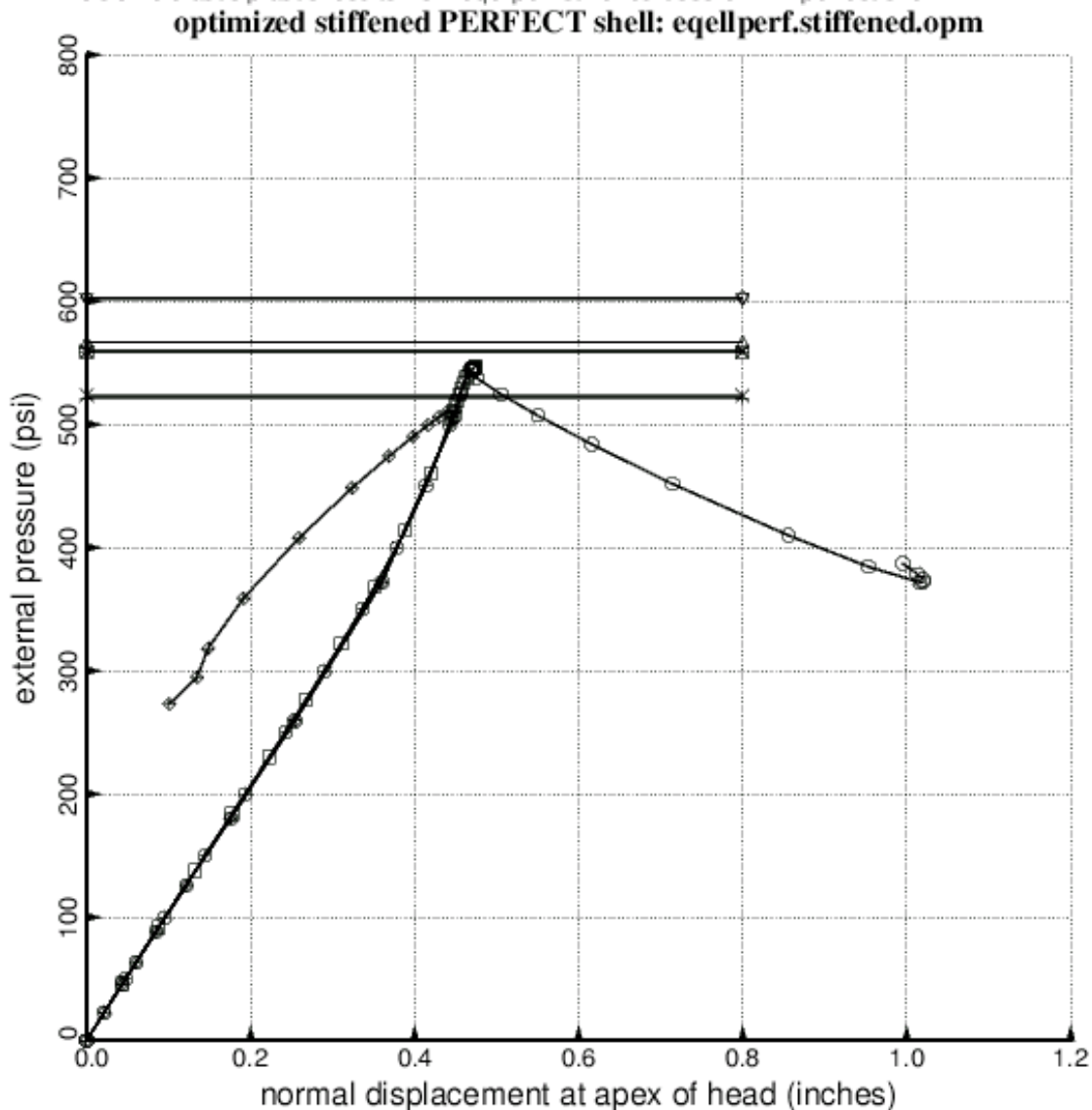


Fig. 123 Linear and nonlinear behavior of the optimized “**perfect**” isogrid-stiffened equivalent ellipsoidal shell. The nonlinear bifurcation buckling mode from STAGS is displayed in the next figure. That mode is used as a “trigger” (very small amplitude imperfection: Wimp=0.001 inch) in order to obtain the second-to-last trace (diamonds with internal cross). This figure is analogous to Fig. 84.