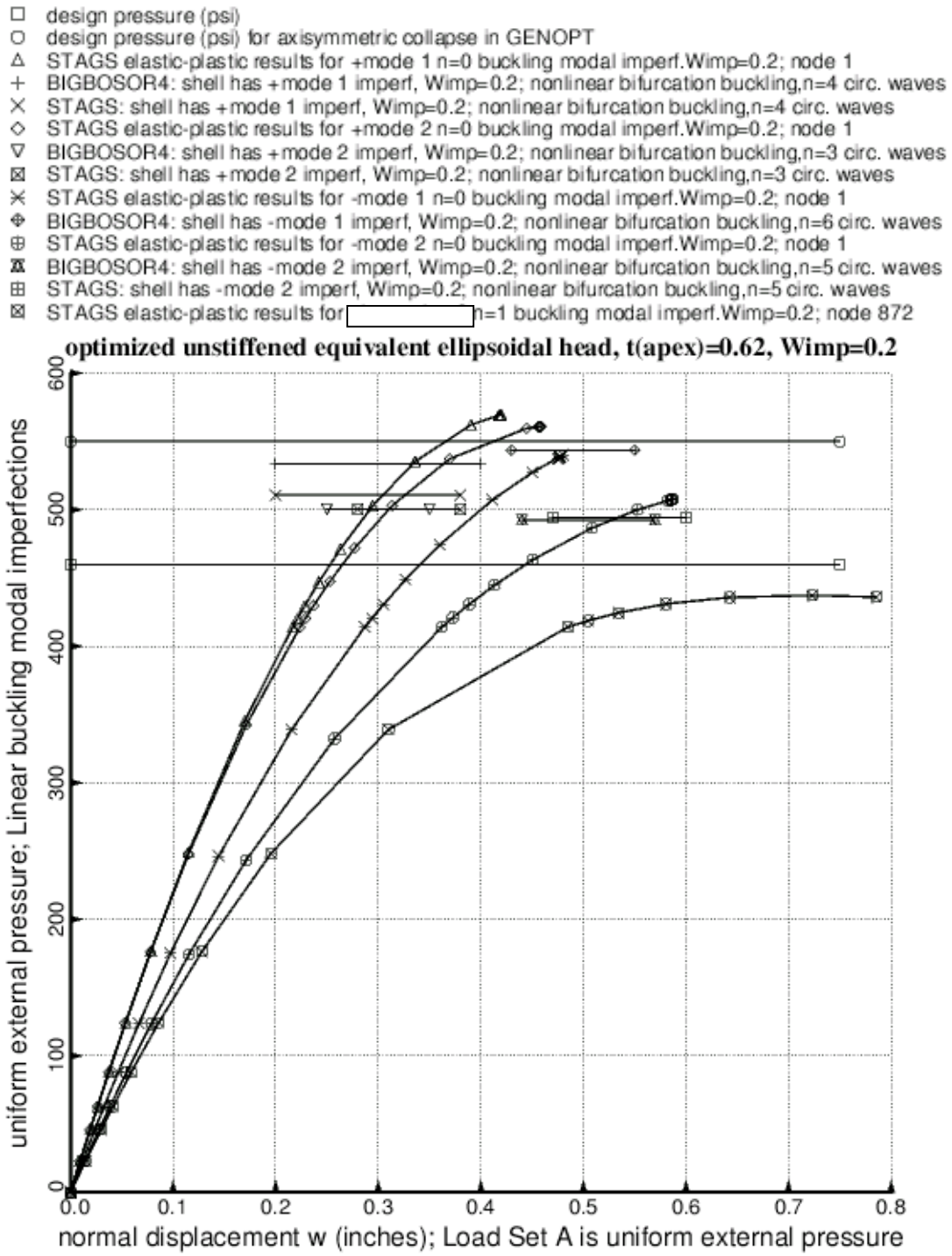

Fig. 237 **Optimized unstiffened equivalent ellipsoidal shell with thick apex, t(apex)=0.61996 inch; Wimp=0.2 inch; the optimum design is listed in Table 93.** STAGS elastic-plastic load-displacement curves and nonlinear bifurcation buckling loads and BIGBOSOR4 elastic nonlinear bifurcation buckling loads for various buckling modal imperfection shapes. Amplitude of each buckling modal imperfection, Wimp = 0.2 inch. Compare with Fig. 161, for which the optimum design is listed in Table 78, and compare with Figs. 209 and 211, for which Wimp=0.1 and optimum design is listed in Table 89.