

- GENOPT results from eqellipse.ALL6N, -mode 1 imperfection shape
- GENOPT results from eqellipse.ALL6P, +mode 1 imperfection shape
- △ GENOPT results from eqellipse.ALL7N, -mode 2 imperfection shape
- + GENOPT results from eqellipse.ALL7P, +mode 2 imperfection shape.
- × STAGS elastic results for n=0 +mode 1 imperfection shape with Wimp=0.2 inch.
- ◇ STAGS elastic-plastic results for n=0 +mode 1 imperfection shape with Wimp=0.2 inch.
- ▽ STAGS elastic-plastic results for n=0 +mode 1 imperfection shape with with non-symmetric "trigger".
- ▣ STAGS elastic results for n=0 +mode 2 imperfection shape with Wimp=0.2 inch.
- × STAGS elastic-plastic results for n=0 +mode 2 imperfection shape with Wimp=0.2 inch.
- ◆ STAGS elastic results for n=0 -mode 1 imperfection shape with Wimp=0.2 inch.
- ⊕ STAGS elastic-plastic results for n=0 -mode 1 imperfection shape with Wimp=0.2 inch.
- ▤ STAGS elastic results for n=0 -mode 2 imperfection shape with Wimp=0.2 inch.
- ⊗ STAGS elastic-plastic results for n=0 -mode 2 imperfection shape with Wimp=0.2 inch.
- ⊠ STAGS elastic results for n=1 imperfection shape with Wimp=0.2 inch.
- ⊡ STAGS elastic-plastic results for n=1 imperfection shape with Wimp=0.2 inch.
- STAGS elastic-plastic results for n=2 imperfection shape with Wimp=0.2 inch.
- STAGS elastic-plastic results for n=3 imperfection shape with Wimp=0.2 inch.

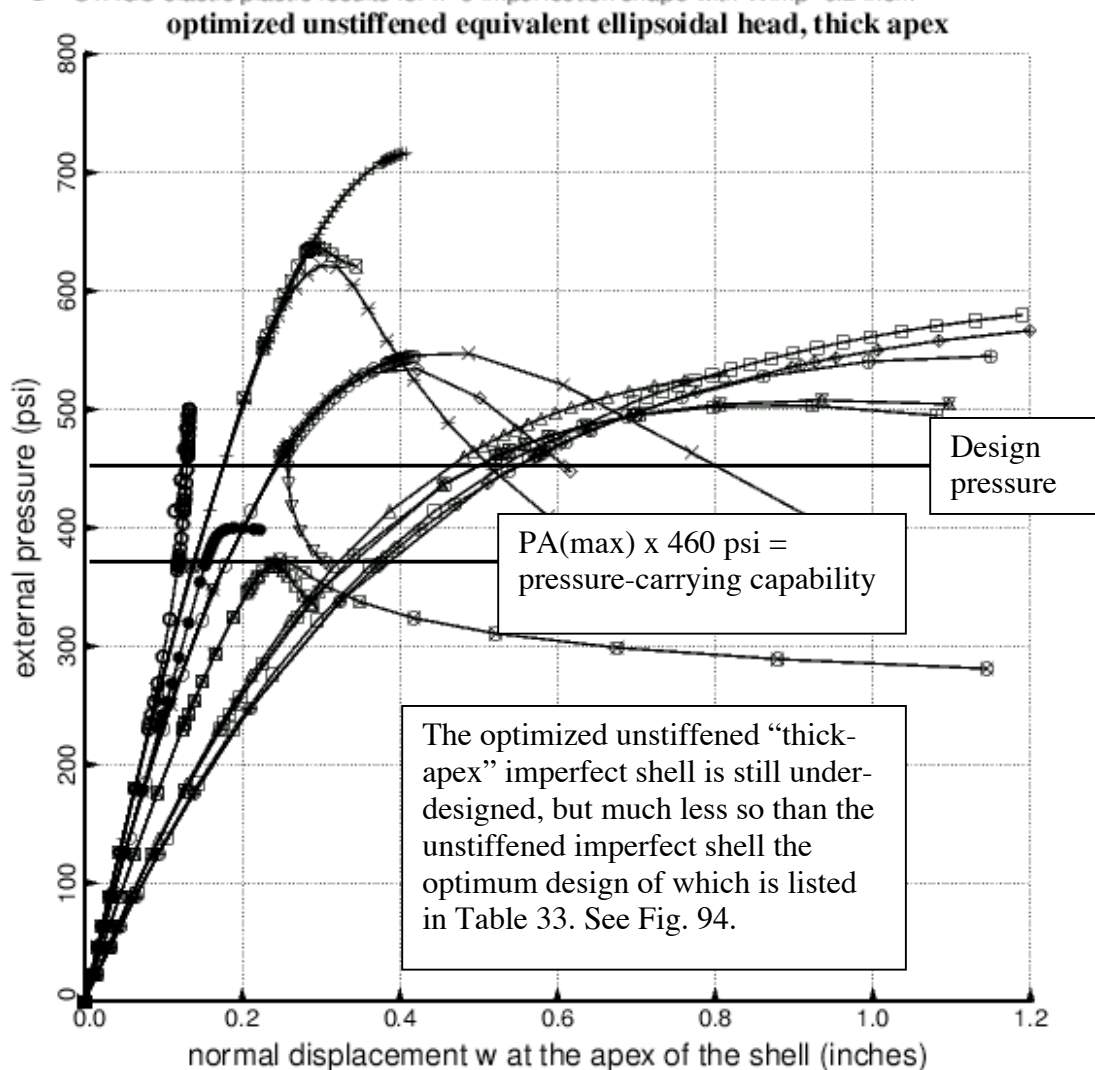


Fig. 161 **Optimized unstiffened equivalent ellipsoidal shell with thick apex,  $t(\text{apex})=0.4$  inch;  $W_{\text{imp}}=0.2$  inch; the optimum design is listed in Table 78.** Load-displacement curves for various buckling modal imperfection shapes. Amplitude of each buckling modal imperfection,  $W_{\text{imp}} = 0.2$  inch. Compare with Fig. 94 (Table 33 design).