



Fig. 222 Elastic-plastic analysis of the **optimized unstiffened equivalent ellipsoidal shell with the thick apex with $t(\text{apex}) = 0.47183$ inch; $W_{\text{imp}}=0.1$ inch**, half the amplitude, $W_{\text{imp}} = 0.2$ inch, that pertains to the results in Figs. 145 – 200 and Tables 78 – 88; **the optimum design is listed in Table 89**. Shown here is the **post-collapse** state of the shell at the end of the STAGS run that followed Run 5 (Fig. 216). In that following run, Load Set A (uniform external pressure) is applied to the shell with the residual dent displayed in Fig. 221. The third trace in Fig. 217 shows results from this STAGS run. The maximum normal displacement in the collapsed shell lies at the line of symmetry, which is somewhat unexpected, given the shape of the residual dent shown in Fig. 221. Compare this figure with Fig. 220.