



Fig. 159 STAGS prediction of **inner fiber** effective stress in the shell skin for the **optimized unstiffened equivalent ellipsoidal shell with the thick apex with  $t(\text{apex}) = 0.4$  inch;  $W_{\text{imp}}=0.2$  inch; the optimum design is listed in Table 78. There is an axisymmetric -mode 2 imperfection with amplitude,  $W_{\text{imp}} = 0.2$  inch.** Compare the maximum effective stress here with that from BIGBOSOR4 listed in the section of Table 81 headed “-mode 2”. Also, compare with Fig. 92, which pertains to the unstiffened optimum design listed in Table 33 with a -mode 2 axisymmetric imperfection.