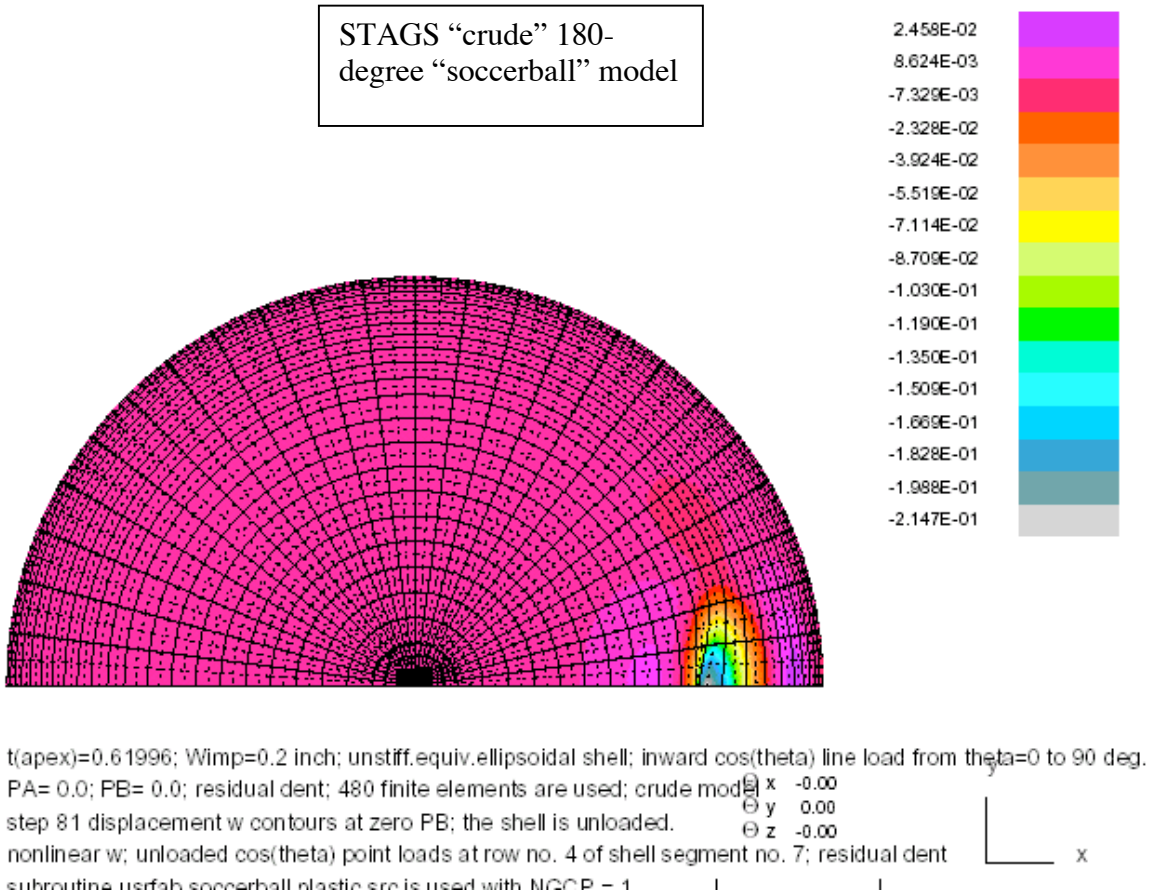

Fig. 252 The **optimized unstiffened equivalent ellipsoidal shell with the thick apex with t(apex) = 0.61996 inch; Wimp=0.2 inch; the optimum design is listed in Table 93. Case 3:** State of the shell at load set B (PB) step no. 81 in Run 5 (**residual dent**). (See Fig. 250). Load set B consists of a number of concentrated inward directed normal loads applied along row 4 of shell segment 7 (**Case 3**) (Figs. 2, 169, 232 and 233) distributed as cos(theta) from theta = 0 to 90 degrees in the circumferential direction. This load distribution is used because it generates a residual dent that **locally** resembles the negative of the deformation in Figs. 232 and 233, that is, the negative of the linear buckling modal imperfection with n = 1 circumferential wave. Compare with Fig. 248.