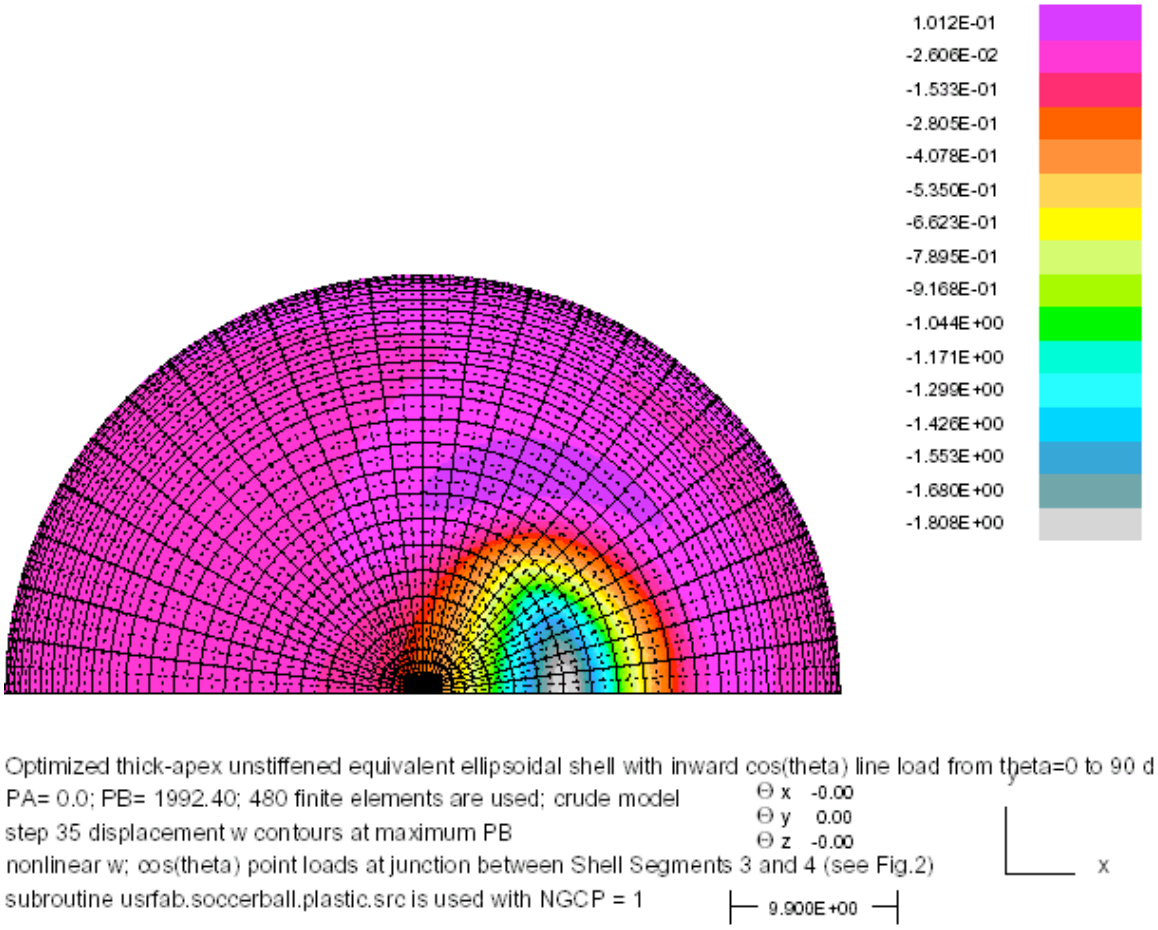

Fig. 183 Elastic-plastic analysis of the **optimized unstiffened equivalent ellipsoidal shell with the thick apex with t(apex) = 0.4 inch; Wimp=0.2 inch; the optimum design is listed in Table 78.** State of the shell at load set B (PB) step no. 35 at the end of Run 5. (See Fig. 180). Load set B consists of a number of concentrated inward directed normal **loads** applied along the junction of Shell segments 3 and 4 (Figs. 2, 169, 181, 190, 191) distributed as cos(theta) from theta = 0 to 90 degrees in the circumferential coordinate along Row no. 5 in Shell Units 11 and 12. (See Table a40, except the input datum LT is +1 instead of –1). This load distribution is used because it generates a dent that locally resembles the deformation in Fig. 179, that is, the linear buckling modal imperfection with n = 1 circumferential wave.