Fig. 115 Optimization of the "**perfect" isogrid-stiffened** equivalent ellipsoidal shell via the first execution of SUPEROPT. The starting design is listed near the top of Table 67. The index, IDESIGN, is set equal to 2 in MAINSETUP. IDESIGN = 2 means that "ALMOST FEASIBLE" designs are accepted. "ALMOST FEASIBLE" means that all design margins must be greater than –0.05. See Item 725 in Table a24 for more information on IDESIGN. "Perfect" is in quotes because there is a very small axisymmetric imperfection amplitude, Wimp = 0.0001 inch, as listed in Table 67.