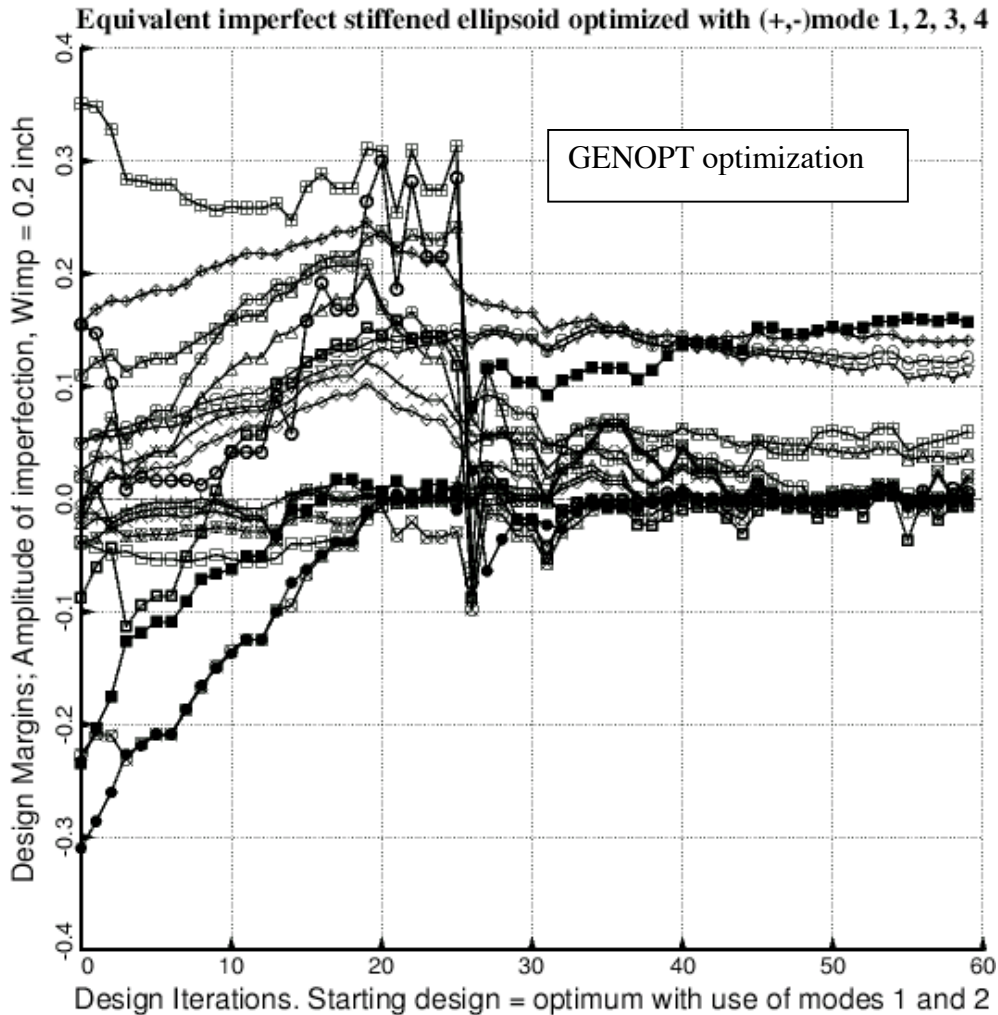Fig. 52 **Imperfect isogrid-stiffened** shell. The most critical margins during optimization cycles with use of plus and minus axisymmeric **mode 1, mode2, mode 3, and mode 4** imperfection shapes with amplitude, Wimp=0.2 inch. The SUPEROPT processor was deliberately terminated after running 24 hours on the LINUX workstation where this work was done. IMOVE = 4 in this SUPEROPT run. (See Items 730, 740 in Table a24).