



Fig. 30 STAGS prediction of linear buckling of the curved panel with no overall axial bending. (IBCX0XL = 1 in the *.STG file that, via execution of the PANDA2 processor, STAGSUNIT, generates the *.bin and *.inp input files for STAGS.) and no in-plane warping of the panel skin along the four edges of the STAGS model. In this STAGS model finite elements are especially concentrated in the panel skin in the immediate neighborhood of the third stringer, counting stringers from the bottom right-hand edge of the STAGS model. The linear buckling mode resembles that displayed in Fig. 21, as it should. This linear buckling mode shape is used as an imperfection with amplitude, Wimp = 0.001 inch, in a nonlinear static STAGS run to follow.