

5-bay flat panel: Input for the PANDA2 processor, STAGSUNIT, is listed in Table 19

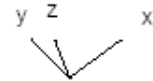
PA= 1.00000E+01 PB= 0.00000E+00 PX= 0.00000E+00

step 459 fabrication system ,seff, layer 1, inner fiber

Fig.56 nonlinear effective stress - inner fiber, skin only; case=allflat

Minimum value = 4.01629E+03, Maximum value = 5.76033E+04

Θ x -35.84
Θ y -13.14
Θ z 35.63



— 2.950E+00 —

Fig. 56 STAGS prediction of the inner fiber effective stress in the flat panel skin at the design load, PA = 10.0 (Nx = -1000 lb/in). The inner fiber is on the panel skin surface opposite from that to which the external stringers are. No overall axial bending nor in-plane warping of the panel skin at the four edges are permitted in this STAGS model. This figure shows the same panel state as the previous figure. Only the panel skin is included in the plot shown here.