

2-bay curved panel: Input for the PANDA2 processor, STAGSUNIT, is listed in Table 28

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

step 12 fabrication system ,seff, layer 1, inner fiber

Fig.81 nonlinear effective stress - inner fiber; case=allennrgs2bay

Minimum value = 2.66707E+02, Maximum value = 5.37151E+04

Θ x 24.00  
Θ y -22.00  
Θ z 30.00

2.074E+00

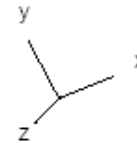


Fig. 81 STAGS prediction of inner fiber effective stress in the curved panel at the design load, PA = 10.0 (Nx = -1000 lb/in). This figure is analogous to Fig. 71, which pertains to the two-stringer bay model of the flat panel. In the curved panel there is one additional axial half wave in the axial (x) direction, for a total of six axial half waves in the post-buckled pattern.