

2-bay flat panel: Input for the PANDA2 processor, STAGSUNIT, is listed in Table 26

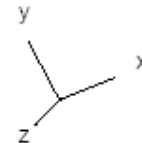
PA= 1.00000E+01 PB= 0.00000E+00 PX= 0.00000E+00

step 13 fabrication system ,seff, layer 1, inner fiber

Fig.71 nonlinear effective stress - inner fiber, skin only; case=allflat4

Minimum value = 4.19186E+03, Maximum value = 5.61003E+04

⊖ x 24.00  
⊖ y -22.00  
⊖ z 30.00



— 2.029E+00 —

Fig. 71 STAGS prediction of inner fiber effective stress in the skin of the two-stringer bay model of the flat panel at the design load, PA = 10.0 (Nx = -1000 lb/in). This figure is analogous to Fig. 56, which pertains to the five-stringer bay model of the flat panel. In this case in which the stringers are “external” the inner fiber is the fiber on the opposite skin surface from that to which the stringers are attached. The “inner fiber” in this case is the same as the “bottom fiber”, STAGS terminology that is used in the next figure.