

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

Θ x 24.00

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

Θ y -22.00

Θ z 30.00

Fig.70 nonlinear effective stress - outer fiber, skin only; case=allflat4

Minimum value = 3.73881E+03, Maximum value = 5.55640E+04

2.029E+00

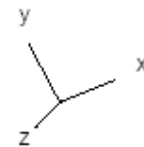


Fig. 70 STAGS prediction of outer fiber effective stress in the skin of the two-stringer bay model of the flat panel at the design load, PA = 10.0 (Nx = -1000 lb/in). This figure is analogous to Fig. 54, which pertains to the five-stringer bay model of the flat panel. In this case in which the stringers are “external” the outer fiber is the fiber on the same skin surface as that to which the stringers are attached. The “outer fiber” in this case is the same as the “top fiber”, STAGS terminology that is used in Fig. 72.