

Curved panel, no edge warping, no axial bending, input data for STAGSUNIT listed in Table 12

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

step 16 displacement v contours

Fig.39 nonlinear v in the third stringer; case=allennrns34803

Minimum value = -1.34543E-03, Maximum value = 7.02446E-04

Θ x 90.00
Θ y 0.00
Θ z -0.00

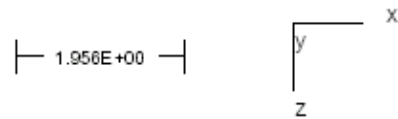


Fig. 39 STAGS prediction for the vertical (in-plane) displacement v in the third stringer, counting stringers from the bottom right-hand edge in Fig. 31. The displacement v is positive in the positive z -direction. Overall axial bending is prevented in the STAGS model by forcing the u -displacement to be uniform over the heights of all the stringers at both ends of the panel, $x = 0$ and $x = 9.7793$ inches. (IBCX0XL = 1 in the *.STG file that, via execution of the PANDA2 processor, STAGSUNIT, generates the *.bin and *.inp input files for STAGS.) This figure is analogous to Fig. 29.