

- STAGS flat panel, no bending, no warping; Finite Element 780; Bottom fiber, Integration point 1
- STAGS flat panel, no bending, no warping; Finite Element 780; Bottom fiber, Integration point 2
- △ STAGS flat panel, no bending, no warping; Finite Element 780; Bottom fiber, Integration point 3
- + STAGS flat panel, no bending, no warping; Finite Element 780; Bottom fiber, Integration point 4
- × STAGS flat panel, no bending, no warping; Finite Element 780; Bottom fiber, Integration point 5
- ◇ STAGS flat panel, no bending, no warping; Finite Element 780; Bottom fiber, Integration point 6
- ▽ STAGS flat panel, no bending, no warping; Finite Element 780; Bottom fiber, Integration point 7
- ⊠ STAGS flat panel, no bending, no warping; Finite Element 780; Bottom fiber, Integration point 8
- ⊗ STAGS flat panel, no bending, no warping; Finite Element 780; Bottom fiber, Integration point 9
- ◆ STAGS flat panel, no bending, no warping; Finite Element 780; Top fiber, Integration point 1
- ⊕ STAGS flat panel, no bending, no warping; Finite Element 780; Top fiber, Integration point 2
- ⊡ STAGS flat panel, no bending, no warping; Finite Element 780; Top fiber, Integration point 3
- ⊞ STAGS flat panel, no bending, no warping; Finite Element 780; Top fiber, Integration point 4
- ⊠ STAGS flat panel, no bending, no warping; Finite Element 780; Top fiber, Integration point 5
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- STAGS flat panel, no bending, no warping; Finite Element 780; Top fiber, Integration point 9

**Fig.72 STAGS extreme fiber effective stress; finite element 780; Compare Fig.57**

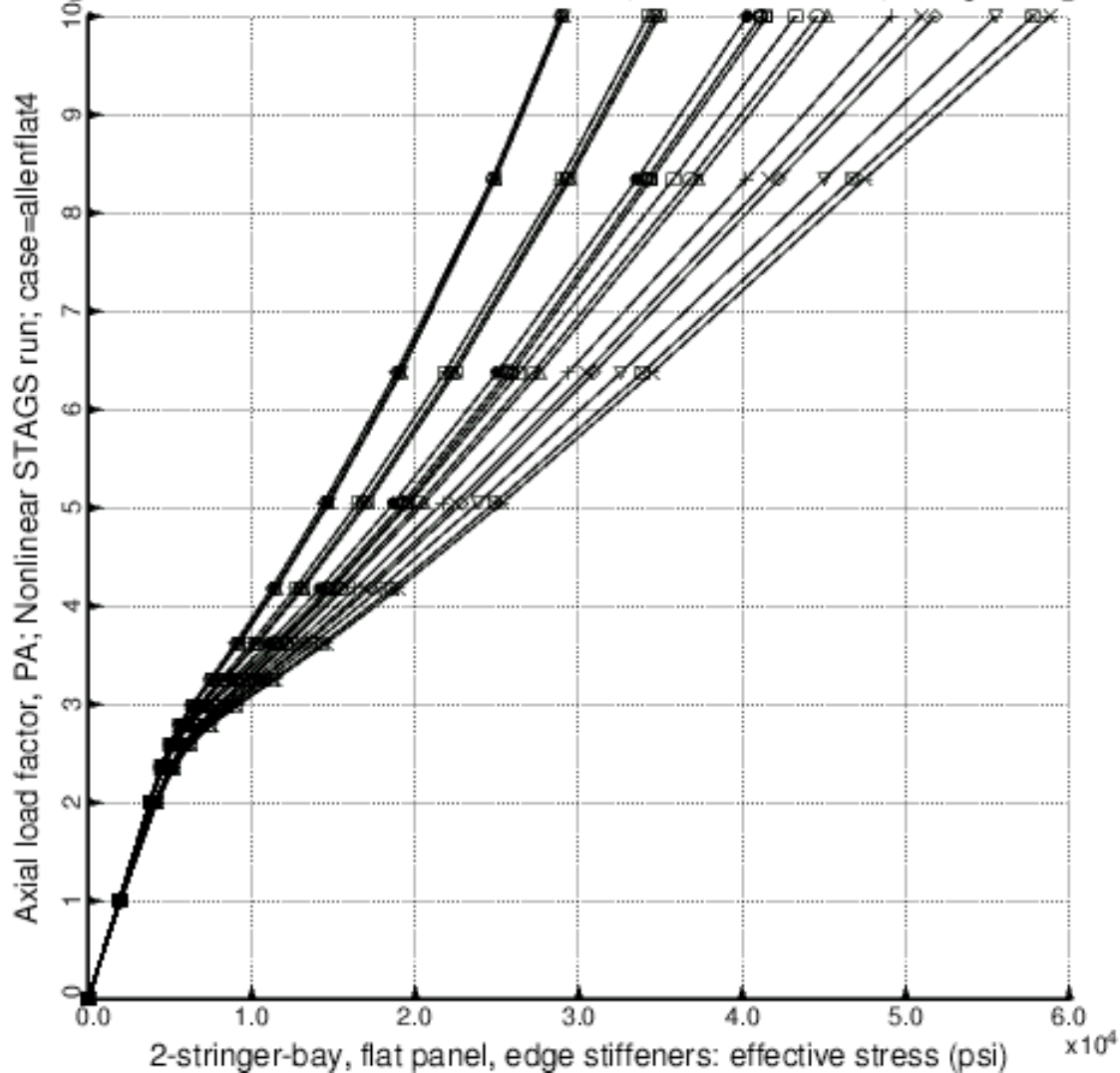


Fig. 72 STAGS prediction of extreme fiber effective stress in the two-stringer-bay flat panel with edge stiffeners. The location of Finite Element 780 is shown in the previous figure. "Bottom" fiber refers in this particular case to the skin surface opposite from that to which the external stringers are attached. This figure is analogous to Fig. 57, which pertains to the five-stringer-bay model of the flat panel.