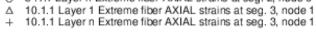
- 8 .1.1 Layer 1 Extreme fiber AXIAL strains at seg. 2, node 6 8 .1.1 Layer n Extreme fiber AXIAL strains at seg. 2, node 6



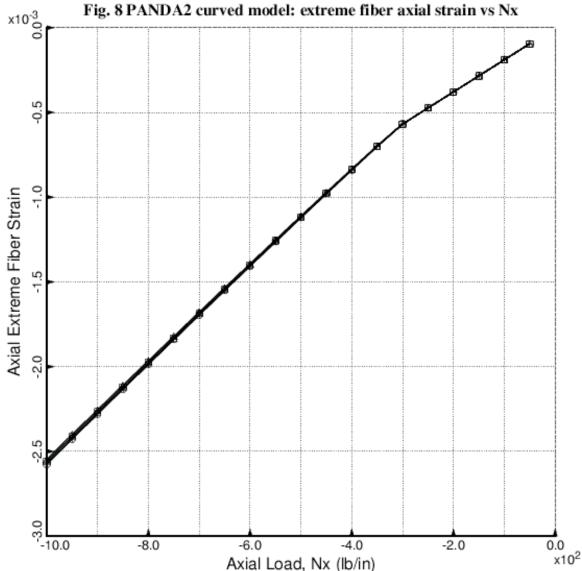


Fig. 8 PANDA2 prediction. Extreme fiber axial strain versus axial resultant Nx for the optimized curved panel. Segment 2, Nodal Point 6 is the nodal point in the panel skin at the web root of the stringer. Segment 3, Nodal Point 1 is the nodal point in the stringer at the web root of the stringer. End shortening of a shell segment between adjacent rings versus Nx can be obtained from this curve by multiplication of the axial strain at each value of Nx by the ring spacing, B(rngs) = 9.7793 inches. Compare with STAGS predictions for a flat panel presented in Fig. 59.