



Fig. 19 PANDA2 prediction for the flat panel. This figure is analogous to Fig. 10, which pertains to the curved panel. Extreme fiber in-plane shear strain versus axial resultant N_x for the optimized flat panel. Segment 2, Nodal Point 6 is the nodal point in the panel skin at the web root of the stringer. Segment 2, Nodal Point 1 is the nodal point in the panel skin one third of the distance between the web root of the stringer and the symmetry plane at the left-hand side of the single discretized module model shown in Figs. 5 and 6. Compare with the prediction from STAGS at the design load, $PA = 10.0$ ($N_x = -1000$ lb/in) in Fig. a3 of the appendix.