



Fig. 11 PANDA2 prediction. Average panel skin axial stiffness in the prebuckling and postbuckling regimes. The sudden jump occurs at the linear local bifurcation buckling load because in this case the panel is perfect. Local buckling modal imperfections cause a smoothing of the transition from prebuckled states to postbuckled states, as shown in the next figure. The post-local-buckling axial stiffness exhibits the “classical” characteristics: 1. approximately half of the that of the unbuckled panel skin and 2. fairly constant in the postbuckling regime. (This figure was generated for the original optimum design obtained before the bug in SUBROUTINE MODE was discovered).