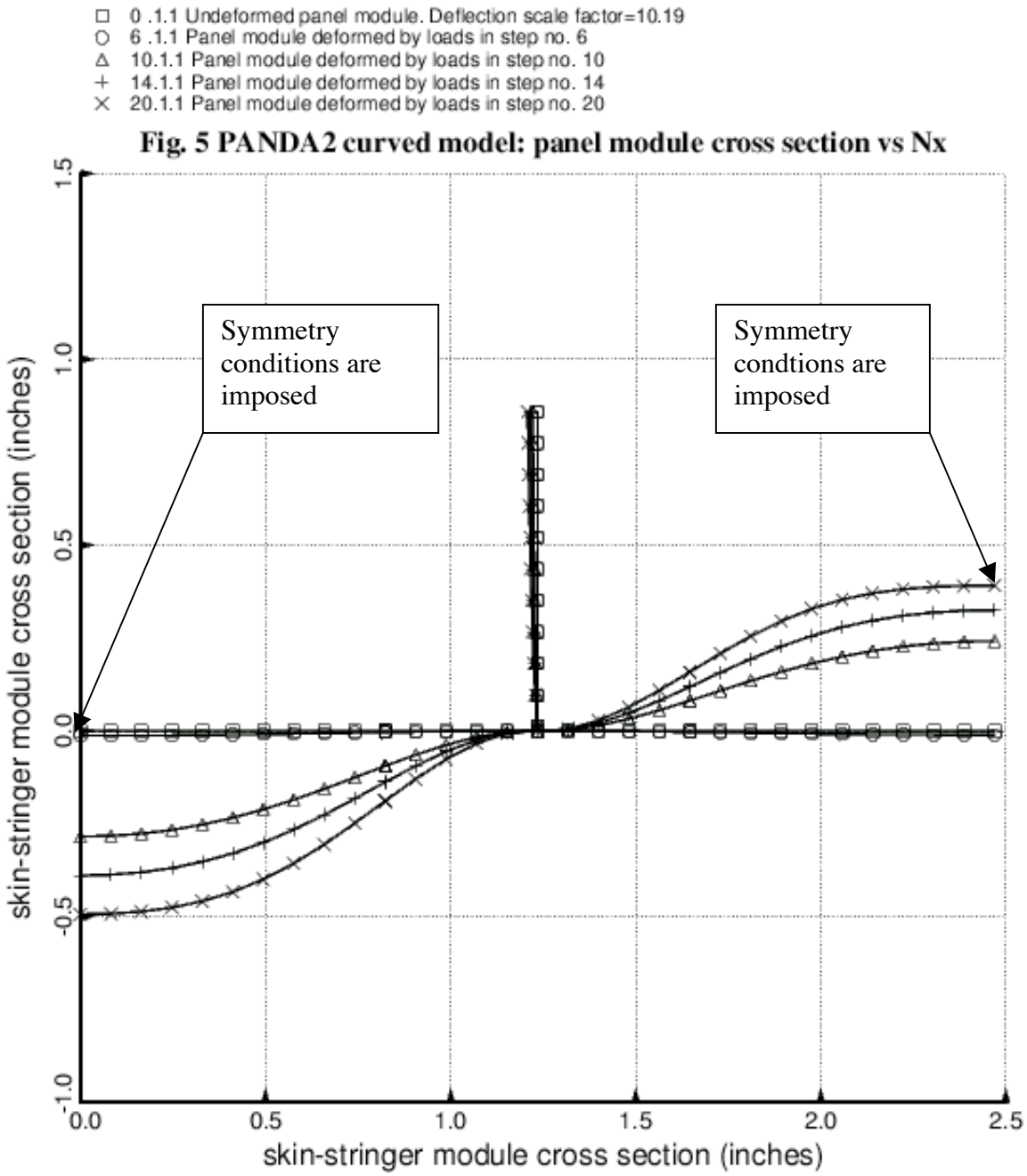

Fig.5 PANDA2 single discretized module model. This figure results from a PANDA2 test simulation run (ITYPE=3 in the *.OPT file) of the optimized curved panel after correction of the bug in SUBROUTINE MODE. PANDA2 predicts the same normal deflection for inward and outward buckles because the local post-buckling analysis is based on a model in which the panel skin is flat and the axial variation of normal displacement is sinusoidal [3,22]. Notice that there is some "flattening" of the local buckling modal displacement in the regions near the two symmetry planes. The amount of "flattening" is determined by the unknown, "a", in the Koiter local post-buckling analysis. Before SUBROUTINE MODE was fixed "a" was 0. See Fig. 32 for the same view of the locally post-buckled state as predicted by STAGS.