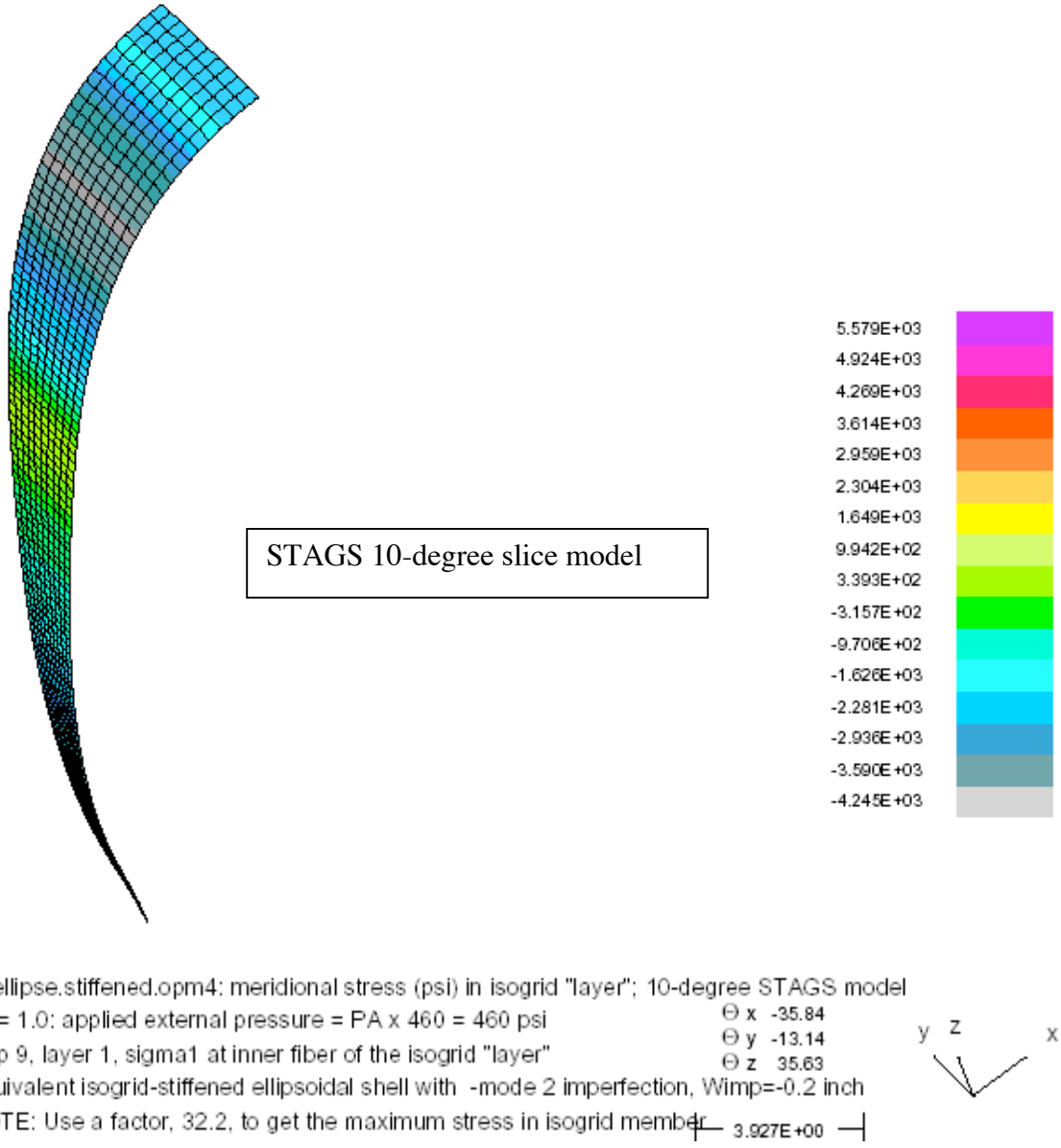

Fig. 45 STAGS prediction of the **inner fiber meridional stress sigma1 (psi) in the isogrid "layer"** of the optimized **–mode 2 imperfect isogrid-stiffened** equivalent ellipsoidal shell subjected to the external design pressure, p = 460 psi. Compare with Fig. 32. To obtain the STAGS prediction of actual stress in a meridionally oriented isogrid member, multiply the "sigma1" values listed in the key by the factor 32.2, which is the ratio of the isogrid spacing to the thickness of an isogrid member in the optimized design.