

Fig. 32 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. To obtain actual stress multiply the values in the key by 32.2 (isogrid spacing/thickness). Then compare with STFMXS in Table 45. Compare with the 10-degree "slice" model in Fig. 45.