

Fig. 125 STAGS prediction of the **inner fiber meridional stress sigma1** (**psi**) in the **isogrid "layer"** of the optimized "**perfect" isogrid-stiffened** equivalent ellipsoidal shell subjected to the external design pressure, p = 460 psi. Compare with the BIGBOSOR4 prediction of STFMXS in Segment 1 in Table 71. The highest stress here is at the pole. Multiply the "sigma1" values listed in the key by the factor 49.51 to get actual stress.