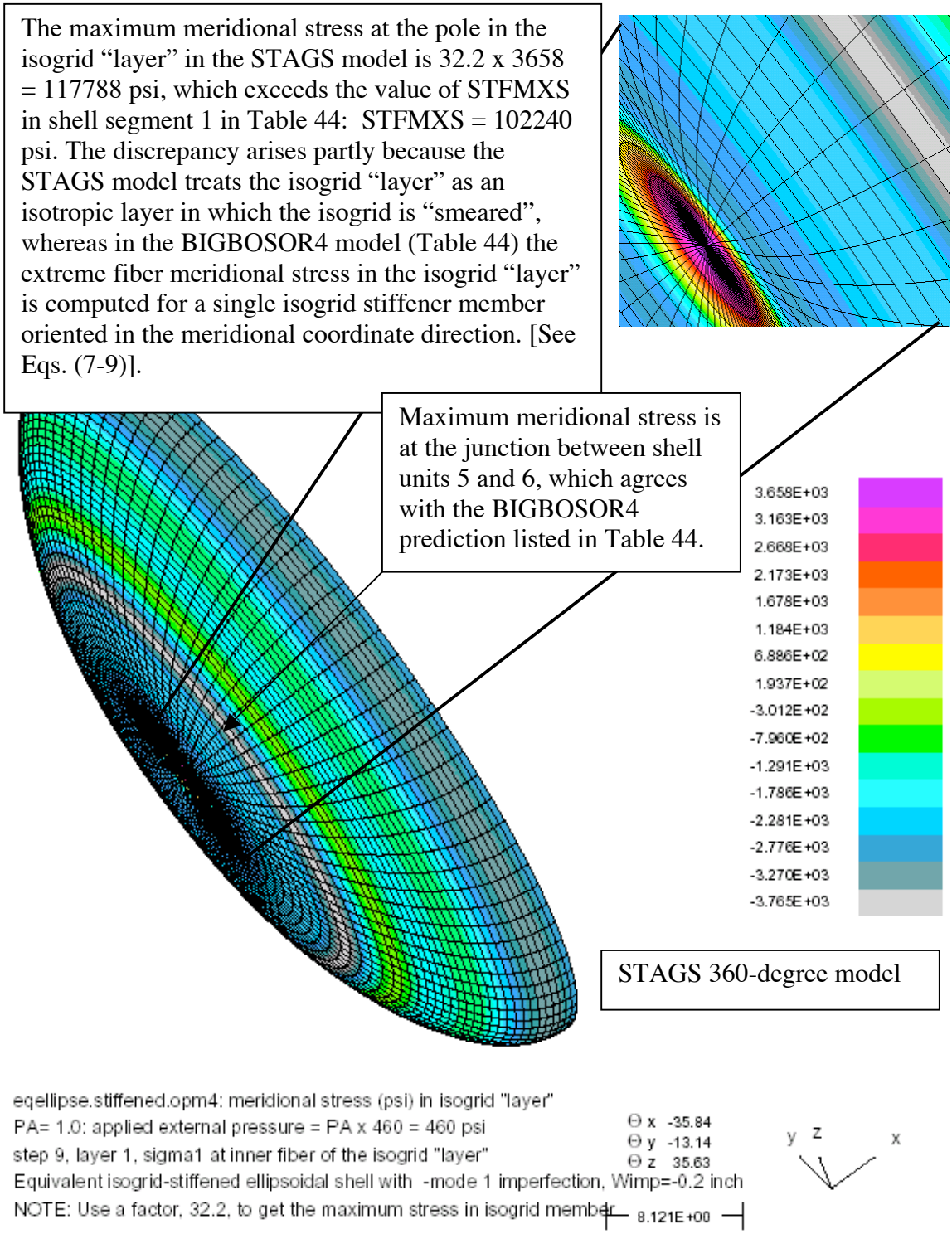

Fig. 28 STAGS prediction of the **inner fiber meridional stress sigma1 (psi) in the isogrid "layer"** of the optimized **–mode 1 imperfect isogrid-stiffened** equivalent ellipsoidal shell subjected to the external design pressure, p = 460 psi. To obtain actual stress multiply the values in the key by 32.2 (isogrid spacing/thickness). Then compare with STFMXS in Table 44. Compare with the 10-degree "slice" model in Fig. 43.