



Fig. 142 STAGS prediction of **outer fiber effective stress seff (psi) in the skin** of the optimized “**perfect**” **unstiffened** equivalent ellipsoidal shell subjected to the external design pressure, $p = 460$ psi. (The part of Table 33 with the heading, “unstiffened, perfect”, lists the optimum design). Compare with the GENOPT (BIGBOSOR4) prediction of maximum effective stress, $SKNMAX = 118290$ psi, which occurs at the junction between Segments 11 and 12 as listed in Table 76. NOTE: The BIGBOSOR4 prediction listed in Table 76 only gives the maximum value of the extreme fiber effective stress in each shell segment, not both the maximum **inner** fiber effective stress and maximum **outer** fiber effective stress.