**Optimized perfect unstiffened ellipsoid: axisymmetric linear buckling mode**

BIGBOSOR4 model

Fig. 131 Second **axisymmetric** linear bifurcation buckling mode shape of the optimized **unstiffened perfect** shell as computed by BIGBOSOR4. The optimum design is listed in Table 33 under the heading, "unstiffened, perfect". The corresponding linear bifurcation buckling pressure according to BIGBOSOR4 is p(crit) = 610.19 psi. The program STAGS obtains a linear bifurcation buckling pressure of 610.282 psi for this shell. (See Fig. 137). This axisymmetric mode, predicted by BIGBOSOR4, corresponds to the tenth eigenvalue in the STAGS model, as indicated in Fig. 137. Compare with Fig. 137. This figure is analogous to Fig. 118.