Table 80 Output from STAGS (eqellipse.out2 file, abridged) for linear buckling of the **optimized unstiffened equivalent ellipsoidal shell with the apex (Shell Segment 1) of uniform thickness, t = 0.4 inch.** Predictions from BIGBOSOR4 and mode shapes have been added to the output produced by STAGS in the eqellipse.out2 file. This table corresponds to the 360-degree STAGS model displayed in Fig. a1. Compare with Table 95 which corresponds to the STAGS "soccerball" model shown in Figs. a2, a3.

CONVERGENCE HAS BEEN OBTAINED FOR EIGENVALUES 1 THROUGH 8

	CRITICAL LOAD FACTOR COMBINATION				
NO.	EIGENVALUE	LOAD SYSTEM A	LOAD SYSTEM B	@DOF	BIGBOSOR4 or mode
1	2.771516E+00	2.771516E+00	0.000000E+00	3	2.7623 (mode 1)
2	2.857660E+00	2.857660E+00	0.000000E+00	22041	(n=1 circ. wave)
3	2.857660E+00	2.857660E+00	0.000000E+00	22179	(n=1 circ. wave)
4	2.874276E+00	2.874276E+00	0.000000E+00	7083	(n=2 circ. waves)
5	2.874276E+00	2.874276E+00	0.000000E+00	7017	(n=2 circ. waves)
6	2.900331E+00	2.900331E+00	0.000000E+00	7275	(n=3 circ. waves)
7	2.900331E+00	2.900331E+00	0.000000E+00	7497	(n=3 circ. waves)
8	2.992598E+00	2.992598E+00	0.000000E+00	3	2.9879 (mode 2)

NOTE: Eigenvalues of closed shells of revolution that correspond to non-axisymmetric mode shapes with **n** circumferential waves occur in pairs. Here the three eigenvalue pairs correspond to **n** = 1, 2, and 3 circumferential waves.