

TABLE 16. STRESSES AND DEFLECTIONS IN A PIN SEGMENT,  $k_2 = 4.0$ ,  $\alpha = 60^\circ$ ,  $\nu = 0.3$

RESULTS AT THETA = 0.00 DEGREES

R/R1	SIGMA R/P1	SIGMA THETA/P1	TAU RTHETA/P1	EU/RP1	EV/RP1
1.000	-1.0000	-0.2009	0.0000	1.1739	0.0000
1.250	-0.8356	-0.1524	0.0000	0.7673	0.0000
1.500	-0.7174	-0.0967	0.0000	0.5167	0.0000
1.750	-0.6256	-0.0415	0.0000	0.3502	0.0000
2.000	-0.5522	0.0122	0.0000	0.2335	0.0000
2.250	-0.4948	0.0657	0.0000	0.1482	0.0000
2.500	-0.4555	0.1221	0.0000	0.0833	0.0000
2.750	-0.4409	0.1841	0.0000	0.0310	0.0000
3.000	-0.4598	0.2472	0.0000	-0.0143	0.0000
3.250	-0.5169	0.2840	0.0000	-0.0567	0.0000
3.500	-0.5954	0.2088	0.0000	-0.0980	0.0000
3.750	-0.6186	-0.1929	-0.0000	-0.1336	0.0000
4.000	-0.3755	-1.3937	-0.0000	-0.1456	0.0000

RESULTS AT THETA = 15.00 DEGREES

R/R1	SIGMA R/P1	SIGMA THETA/P1	TAU RTHETA/P1	EU/RP1	EV/RP1
1.000	-1.0000	-0.2009	0.0000	1.1048	-0.2753
1.250	-0.8355	-0.1525	0.0000	0.7120	-0.1703
1.500	-0.7169	-0.0972	0.0000	0.4707	-0.1003
1.750	-0.6236	-0.0433	0.0000	0.3109	-0.0503
2.000	-0.5449	0.0058	0.0000	0.1998	-0.0128
2.250	-0.4731	0.0478	0.0000	0.1202	0.0164
2.500	-0.3997	0.0797	0.0000	0.0625	0.0397
2.750	-0.3145	0.0998	0.0000	0.0218	0.0588
3.000	-0.2058	0.1129	0.0000	-0.0046	0.0747
3.250	-0.0670	0.1471	0.0000	-0.0178	0.0882
3.500	0.0863	0.2888	0.0000	-0.0202	0.0997
3.750	0.1788	0.7530	-0.0000	-0.0188	0.1097
4.000	-0.0000	2.0126	-0.0000	-0.0339	0.1185

TABLE 16. (Continued)

## RESULTS AT THETA = 22.50 DEGREES

R/R1	SIGMA R/P1	SIGMA THETA/P1	TAU RTHETA/P1	EU/RP1	EV/RP1
1.000	-1.0000	-0.2009	-0.0000	1.0195	-0.4018
1.250	-0.8356	-0.1524	-0.0000	0.6437	-0.2465
1.500	-0.7171	-0.0970	-0.0002	0.4138	-0.1430
1.750	-0.6246	-0.0424	-0.0010	0.2620	-0.0691
2.000	-0.5486	0.0090	-0.0034	0.1567	-0.0139
2.250	-0.4839	0.0567	-0.0099	0.0809	0.0285
2.500	-0.4276	0.1009	-0.0245	0.0249	0.0613
2.750	-0.3777	0.1419	-0.0527	-0.0172	0.0866
3.000	-0.3328	0.1800	-0.0971	-0.0494	0.1057
3.250	-0.2920	0.2156	-0.1467	-0.0742	0.1219
3.500	-0.2545	0.2488	-0.1504	-0.0933	0.1436
3.750	-0.2199	0.2800	0.0371	-0.1082	0.1915
4.000	-0.1877	0.3094	0.7577	-0.1197	0.3124

## RESULTS AT THETA = 30.00 DEGREES

R/R1	SIGMA R/P1	SIGMA THETA/P1	TAU RTHETA/P1	EU/RP1	EV/RP1
1.000	-1.0000	-0.2009	-0.0000	0.9021	-0.5149
1.250	-0.8356	-0.1524	-0.0000	0.5498	-0.3120
1.500	-0.7174	-0.0967	-0.0000	0.3355	-0.1768
1.750	-0.6256	-0.0415	-0.0000	0.1948	-0.0801
2.000	-0.5522	0.0122	-0.0000	0.0976	-0.0077
2.250	-0.4948	0.0657	-0.0000	0.0274	0.0487
2.500	-0.4555	0.1221	-0.0000	-0.0255	0.0938
2.750	-0.4409	0.1841	-0.0000	-0.0678	0.1307
3.000	-0.4598	0.2472	-0.0000	-0.1040	0.1614
3.250	-0.5169	0.2840	-0.0000	-0.1404	0.1874
3.500	-0.5954	0.2088	-0.0000	-0.1757	0.2097
3.750	-0.6186	-0.1929	0.0000	-0.2061	0.2290
4.000	-0.3755	-1.3937	0.0000	-0.2135	0.2459