

JOINT ANALYSIS

STEP 1 CASE-2

SUB STEP 1

GRID POINT DISPLACEMENT (INCREMENT AND TOTAL)

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
1362	0.007986	-0.006337	0.007986	-0.006337
1394	0.009375	-0.005852	0.009375	-0.005852
1417	0.012625	-0.005265	0.012625	-0.005265
1433	0.016200	-0.004799	0.016200	-0.004799
1448	0.020233	-0.004487	0.020233	-0.004487
1463	0.023335	-0.004351	0.023335	-0.004351
1477	0.025048	-0.004197	0.025048	-0.004197
1491	0.025884	-0.004044	0.025884	-0.004044
1504	0.031511	-0.004070	0.031511	-0.004070
1516	0.038116	-0.004580	0.038116	-0.004580
1528	0.044367	-0.006206	0.044367	-0.006206
1541	0.046738	-0.008550	0.046738	-0.008550
1554	0.049621	-0.011128	0.049621	-0.011128
1566	0.004710	-0.008503	0.004710	-0.008503
1306	0.005580	-0.007511	0.005580	-0.007511
1338	0.006605	-0.006728	0.006605	-0.006728
1370	0.007844	-0.006034	0.007844	-0.006034
1402	0.009264	-0.005364	0.009264	-0.005364
1421	0.012964	-0.004307	0.012964	-0.004307
1437	0.018667	-0.003353	0.018667	-0.003353
1452	0.027018	-0.003476	0.027018	-0.003476
1467	0.032789	-0.004422	0.032789	-0.004422
1482	0.036871	-0.007847	0.036871	-0.007847

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFETY FACTOR
1	-34.3326	-89.1920	-37.0574	1.5766	-34.2873	-89.2373	1.6448	0.0000
2	-33.8074	-87.6469	-36.4363	4.4011	-33.4500	-86.0043	7.6426	0.0000
3	-33.1828	-85.2776	-35.5381	6.5479	-32.3724	-86.0880	7.0554	0.0000
4	-32.5796	-82.5628	-34.5427	8.1381	-31.2880	-83.8545	9.0185	0.0000
5	-32.0405	-80.4853	-33.7577	9.0539	-30.4037	-82.1221	10.2475	0.0000
6	-31.5637	-79.2527	-33.2449	9.5932	-29.7041	-81.1124	10.9642	0.0000
7	-31.1443	-77.7073	-32.5677	10.3228	-28.6783	-79.8808	11.8857	0.0000
8	-29.8698	-75.1777	-31.5143	11.4240	-27.1523	-77.8952	12.3805	0.0000
9	-28.8017	-70.1605	-29.6887	12.8177	-25.1515	-73.8108	15.8960	0.0000
10	-27.8905	-63.4511	-27.4025	13.4658	-23.3692	-67.9754	18.5701	0.0000
11	-27.2624	-56.9388	-25.2804	12.8435	-22.4759	-61.7253	20.4393	0.0000
12	-26.0718	-49.9105	-22.9347	10.7421	-21.9455	-54.0368	21.0121	0.0000
13	-24.3868	-43.4526	-20.3918	7.1706	-21.9911	-45.8483	18.4751	0.0000
14	-22.9812	-39.5802	-18.7684	2.5391	-22.6015	-39.9599	8.5052	0.0000
15	-29.4629	-91.6935	-36.3469	1.2958	-29.4359	-91.7205	1.1923	0.0000
16	-28.8527	-90.2272	-35.7240	3.8478	-28.6124	-90.4675	3.5735	0.0000
17	-28.3615	-87.6296	-34.7973	6.1593	-27.7282	-88.2630	5.8708	0.0000
18	-28.4285	-84.1799	-33.7825	7.8815	-27.3357	-85.2727	7.8938	0.0000
19	-28.6906	-81.5051	-33.0587	8.4012	-27.3865	-82.8093	8.8240	0.0000
20	-28.7067	-80.2792	-32.6939	8.6453	-27.3559	-81.6299	9.0768	0.0000
21	-28.3226	-79.4283	-32.3253	8.6753	-26.8901	-80.8608	9.3179	0.0000
22	-27.9195	-77.9908	-31.6510	10.0112	-25.5935	-79.9038	9.3763	0.0000
23	-27.6580	-76.6580	-30.1733	13.1843	-24.3334	-76.2442	15.2344	0.0000
24	-32.4174	-63.5299	-28.1842	14.9538	-24.6639	-69.2835	21.0444	0.0000
25	-32.0071	-64.0353	-28.8127	13.4237	-25.6573	-60.3852	25.3156	0.0000
26	-32.2139	-45.6180	-23.3510	9.9773	-26.9422	-50.8946	27.9927	0.0000
27	-30.9838	-39.1252	-21.0327	5.1791	-28.0721	-42.0370	27.1694	0.0000
28	-29.5121	-35.7144	-19.5680	1.5915	-29.0318	-36.1947	15.0073	0.0000
29	-27.3499	-33.2045	-16.1663	0.9674	-27.3357	-33.2187	0.8414	0.0000
30	-26.2924	-32.1147	-15.5221	3.1607	-26.1410	-32.2661	2.7428	0.0000
31	-25.1211	-31.7479	-14.4607	5.8311	-24.5922	-30.2698	5.1146	0.0000
32	-24.9508	-31.4695	-13.1261	8.5427	-23.7680	-28.6522	7.8826	0.0000
33	-26.2741	-31.5300	-12.3412	9.4355	-24.7073	-28.0969	9.4280	0.0000
34	-27.2173	-31.7473	-12.0894	8.7652	-25.7934	-28.1713	9.2275	0.0000
35	-27.6884	-29.7396	-12.2224	8.0840	-26.4422	-28.9638	8.6247	0.0000
36	-27.6973	-29.4192	-12.1349	8.1568	-26.4414	-28.9638	8.6247	0.0000
37	-27.4395	-30.4045	-12.3266	7.6605	-26.2666	-30.6751	8.7529	0.0000
38	-27.0852	-31.8662	-12.8094	5.5022	-25.8566	-31.4838	8.0538	0.0000
39	-26.0852	-30.2911	-12.2129	8.2115	-25.8566	-32.4791	9.6336	0.0000
40	-26.6384	-30.4870	-12.1376	11.0513	-24.3586	-31.5296	8.5769	0.0000
41	-26.6663	-30.4889	-12.1496	14.0318	-24.3586	-32.6668	11.1581	0.0000
42	-29.5922	-28.7788	-13.3811	14.0318	-23.2883	-33.9339	13.7668	0.0000
43	-31.2150	-69.5659	-30.2343	15.4886	-24.7204	-33.2655	15.9879	0.0000
44	-34.3502	-62.5658	-29.0448	13.7040	-23.3932	-33.3877	22.3713	0.0000
45	-35.6338	-49.9589	-25.9898	13.7180	-24.9388	-31.8772	26.4485	0.0000
46	-35.4332	-41.1476	-25.9898	14.7846	-27.1081	-29.5246	32.5031	0.0000
47	-32.9554	-35.9727	-20.6784	8.9498	-28.9382	-47.7226	36.2199	0.0000
48	-30.9249	-33.6749	-19.3732	4.1005	-30.0948	-38.8933	34.9004	0.0000
49	-26.7695	-34.0101	-16.2339	1.0852	-30.5463	-34.0514	19.1302	0.0000
50	-25.3306	-33.4543	-15.6355	0.6105	-34.7640	-34.0157	0.5201	0.0000
51	-22.9345	-31.8754	-14.4430	2.1612	-33.2621	-33.5228	1.8152	0.0000
52	-20.8791	-27.7900	-12.6007	4.7181	-32.6131	-32.1968	3.8969	0.0000
				8.7072	-19.7645	-88.9046	7.2942	0.0000

STEP 1 CASE-2 SUB STEP 1

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFETY FACTOR
53	-21.0584	-31.4829	-30.7624	12.1999	-18.6882	-83.8531	10.9946	0.0000
54	-24.2771	-77.7381	-30.6046	10.9882	-22.1067	-79.9085	11.1731	0.0000
55	-25.5378	-77.4064	-30.8832	8.1397	-23.9744	-78.9697	9.7066	0.0000
56	-25.7498	-78.9662	-23.4148	8.3402	-24.4733	-80.2426	8.7016	0.0000
57	-26.6882	-81.2160	-32.3653	8.8063	-25.2817	-82.6025	8.9472	0.0000
58	-27.8203	-83.5203	-33.4209	9.5060	-26.3035	-85.0397	9.4398	0.0000
59	-29.1062	-85.7251	-34.4488	10.4579	-27.2363	-87.5931	10.1378	0.0000
60	-30.6482	-87.5746	-35.4668	12.2357	-28.1297	-90.0931	11.6909	0.0000
61	-31.6352	-88.7186	-36.1064	15.0319	-27.9197	-92.4351	13.8873	0.0000
62	-32.4390	-89.3202	-35.6428	19.8589	-25.9558	-92.8535	18.2104	0.0000
63	-36.6739	-76.5897	-33.9791	24.3860	-25.1200	-88.7436	25.3513	0.0000
64	-42.3315	-59.1916	-30.4559	22.8028	-26.4494	-75.0737	34.8559	0.0000
65	-40.5233	-43.5680	-29.2256	13.5991	-28.3589	-55.7265	41.8105	0.0000
66	-36.7546	-39.9934	-21.9444	6.5344	-30.0262	-43.1218	43.1629	0.0000
67	-32.0906	-33.9061	-19.7990	2.3179	-30.5091	-35.4876	34.3065	0.0000
68	-29.9226	-32.8213	-18.8232	0.4894	-29.3422	-32.9017	9.3291	0.0000
69	-26.8140	-34.4065	-36.3662	0.3104	-26.8126	-94.4080	0.2631	0.0000
70	-25.2995	-34.2193	-33.8541	1.1376	-25.2807	-94.2330	0.9454	0.0000
71	-22.1674	-33.7219	-34.7668	2.8308	-23.0556	-93.8337	2.2620	0.0000
72	-17.0114	-30.5284	-32.2619	7.3073	-16.2922	-91.2476	5.6217	0.0000
73	-14.8930	-25.8319	-30.2175	13.5063	-12.4085	-88.3164	10.4231	0.0000
74	-8.1491	-77.5029	-25.6965	17.7274	-8.8807	-81.7742	13.5379	0.0000
75	-11.9564	-79.1376	-27.3282	17.4234	-7.7065	-83.3875	13.7079	0.0000
76	-18.8370	-71.6803	-27.1552	14.3671	-15.1835	-75.3339	12.2373	0.0000
77	-74.6432	-74.6432	-28.5574	10.8574	-18.4823	-76.7423	10.9418	0.0000
78	-15.0124	-76.4415	-28.7361	9.7803	-14.7624	-77.6914	8.1019	0.0000
79	-14.8027	-75.9230	-27.2177	8.0493	-13.4910	-77.2347	8.2474	0.0000
80	-21.1728	-80.8080	-30.5943	11.3590	-19.0825	-82.8984	10.4272	0.0000
81	-23.4696	-84.0564	-32.2548	13.3229	-20.6689	-86.8471	11.8715	0.0000
82	-23.4494	-84.0562	-32.2544	13.2299	-19.8375	-87.6672	13.3418	0.0000
83	-26.3112	-85.4960	-33.6922	16.0458	-22.7105	-89.5968	14.3359	0.0000
84	-29.3182	-85.7809	-34.5292	15.1862	-25.4928	-89.6062	14.1383	0.0000
85	-32.3827	-87.7829	-36.0497	13.5967	-28.2936	-91.8720	14.6910	0.0000
86	-36.6062	-89.8151	-37.9216	15.4837	-32.4288	-93.9965	15.0987	0.0000
87	-37.5490	-90.2231	-38.3317	16.1906	-32.9705	-94.8017	15.7905	0.0000
88	-36.7077	-91.6107	-38.4955	16.5092	-32.1258	-95.1925	15.5112	0.0000
89	-39.5798	-94.7144	-40.2833	17.6173	-34.4313	-99.8629	16.2906	0.0000
90	-47.2391	-98.1988	-43.6314	16.9381	-42.1228	-103.3150	16.8072	0.0000
91	-44.8930	-97.1934	-42.6259	20.3618	-37.9006	-104.1858	18.9530	0.0000
92	-41.4284	-97.9888	-41.8232	25.1597	-31.8566	-107.5606	20.8291	0.0000
93	-46.7769	-85.2358	-39.6038	32.8515	-27.9407	-104.0720	29.8289	0.0000
94	-58.5702	-68.2049	-38.0032	37.4024	-25.6326	-101.0426	41.3681	0.0000
95	-60.7862	-69.0546	-38.9532	32.3099	-32.3471	-97.4937	41.3541	0.0000
96	-48.9800	-48.8132	-28.7380	21.4895	-26.3798	-69.4134	46.4431	0.0000
97	-41.9381	-38.1161	-24.0163	9.4487	-30.3871	-49.6671	50.7169	0.0000
98	-34.2447	-32.8120	-20.4870	3.3518	-30.7159	-37.4408	47.2721	0.0000
99	-30.0562	-32.9399	-18.8688	0.8499	-29.8173	-33.0788	15.7048	0.0000
100	-28.3734	-32.5215	-18.2685	0.1092	-28.3705	-32.5243	1.5076	0.0000
101	-27.0757	-36.4761	-36.4761	0.1501	-27.0757	-94.5115	0.1276	0.0000
102	-25.7223	-36.0907	-36.0907	0.5633	-25.7177	-94.4513	0.4696	0.0000
103	-22.6138	-35.1130	-35.1130	1.4299	-22.5854	-94.4748	1.1399	0.0000
104	-15.5478	-32.5743	-32.5743	4.6363	-15.2714	-93.3097	3.4120	0.0000

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFTY FACTOR
105	-7.2153	-90.3046	-29.2560	9.5930	-6.1221	-91.3978	6.5011	0.0000
106	-4.5493	-87.3108	-27.1580	14.1350	-7.2017	-89.6584	9.4297	0.0000
107	0.7447	-78.6304	-21.8657	22.7557	-7.1598	-80.0455	18.7372	0.0000
108	-7.6448	-61.2295	-20.6623	20.8339	-0.4978	-68.9344	18.9344	0.0000
109	-11.6395	-62.5476	-22.2562	7.4835	-10.5735	-63.6137	8.1503	0.0000
110	-7.1709	-71.2990	-25.3410	3.6956	-6.9767	-77.4932	3.0082	0.0000
111	-5.3883	-91.6883	-29.1215	12.5660	-3.5809	-93.4807	8.1177	0.0000
112	-8.5506	-92.9192	-30.4409	24.2779	-2.0881	-99.3816	4.9351	0.0000
113	-21.4847	-87.0324	-32.5551	27.1782	-11.6817	-96.8353	19.8339	0.0000
114	-27.3120	-85.0485	-33.7081	21.5748	-20.1407	-92.2198	18.3864	0.0000
115	-24.5848	-88.7392	-33.9972	21.9363	-17.8014	-95.5226	17.1833	0.0000
116	-28.3582	-87.6291	-34.7962	28.8333	-16.5370	-93.3203	23.0921	0.0000
117	-40.4161	-82.4777	-35.8681	27.0667	-27.1700	-95.7237	26.0764	0.0000
118	-41.6173	-85.4521	-38.1208	17.3336	-35.6534	-91.4160	19.0890	0.0000
119	-37.7387	-97.3035	-40.5126	18.0331	-32.7098	-102.3323	15.5903	0.0000
120	-41.4583	-97.8325	-41.7872	29.4508	-28.8794	-107.4114	23.1280	0.0000
121	-55.8062	-89.7251	-43.6594	29.8605	-38.4251	-107.1062	30.2027	0.0000
122	-57.3811	-91.5796	-44.6882	17.9954	-49.6566	-99.3041	23.2313	0.0000
123	-56.1321	-110.5758	-50.0124	17.3533	-51.0714	-115.6355	16.2583	0.0000
124	-58.3708	-113.7165	-52.2262	34.0045	-42.5640	-121.5232	24.9311	0.0000
125	-69.1261	-95.7634	-49.4668	46.7700	-34.3521	-130.4974	36.9544	0.0000
126	-71.8828	-68.5495	-42.1297	40.1714	-30.0114	-110.4209	46.1879	0.0000
127	-62.6516	-77.5597	-38.0634	24.7303	-23.2497	-80.5617	53.4842	0.0000
128	-52.1638	-77.7722	-36.9821	12.9861	-30.1256	-59.8176	59.4994	0.0000
129	-39.5338	-34.1991	-22.1259	12.3576	-30.9064	-32.7765	58.4934	0.0000
130	-31.4775	-32.7608	-19.2715	1.2649	-20.6093	-32.4112	32.4112	0.0000
131	-28.1500	-32.5626	-18.2153	0.2499	-28.1708	-32.5767	32.2349	0.0000
132	-27.1907	-32.5033	-17.9099	-0.0239	-27.1906	-32.5089	-0.2572	0.0000
133	-27.3518	-54.5426	-36.5803	0.0378	-27.3518	-94.5426	0.0322	0.0000
134	-26.2429	-94.4906	-36.2200	0.1713	-26.2429	-94.4906	0.1438	0.0000
135	-23.6013	-94.7509	-35.5057	0.3554	-23.5935	-94.7527	0.2862	0.0000
136	-15.9978	-94.1637	-32.0485	1.3735	-15.9861	-94.1954	1.1528	0.0000
137	-4.9328	-92.6567	-29.2948	4.4752	-4.7649	-92.8346	3.9148	0.0000
138	-2.9952	-91.2703	-26.4942	9.2356	-3.8529	-92.1670	5.5455	0.0000
139	10.3373	-86.9212	-22.9752	18.3330	13.6783	-90.2622	10.3281	0.0000
140	28.6418	-72.9052	-12.2790	28.2647	35.9790	-80.2423	14.5520	0.0000
141	31.5193	-71.6720	-12.0458	35.8482	42.7504	-82.9031	17.9956	0.0000
142	10.7392	-39.1968	-8.5343	33.6706	27.6971	-56.1447	28.7181	0.0000
143	0.1501	-32.5602	-9.7230	10.6004	3.3307	-35.6408	16.3507	0.0000
144	1.5714	-53.9037	-15.6897	16.7255	2.9151	-54.7074	-6.8147	0.0000
145	2.6867	-58.4257	-15.2217	-16.1891	7.0224	-57.7615	-14.9930	0.0000
146	0.8306	-86.3747	-25.6632	-5.6027	1.1891	-86.7332	-3.6611	0.0000
147	3.0723	-126.6401	-37.0703	6.0902	3.3576	-126.9234	2.6822	0.0000
148	13.6777	-144.0131	-39.1006	10.9625	14.9361	-144.7715	3.9578	0.0000
149	23.6062	-139.7580	-34.8455	44.4618	34.9232	-151.0749	14.2803	0.0000
150	-4.9378	-126.0950	-29.3096	58.4025	18.6901	-149.6820	21.9762	0.0000
151	-25.4404	-66.3352	-27.5327	59.6972	17.2142	-108.8988	35.5464	0.0000
152	-52.3222	-53.5020	-31.7473	43.6834	-9.2147	-56.6053	44.6133	0.0000
153	-39.4797	-47.5900	-26.2433	14.6698	-28.4632	-59.0145	36.9051	0.0000
154	-28.0098	-67.7733	-28.7348	14.1227	-23.5043	-72.2784	17.6939	0.0000
155	-25.0707	-105.6632	-39.2202	13.6683	-22.8157	-107.9182	9.5684	0.0000
156	-15.5112	-125.5233	-42.3104	13.7378	-13.8216	-127.2129	7.0114	0.0000

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFTY FACTOR
157	-3.2122	-120.2523	-37.0393	41.3978	9.9502	-133.4147	17.6380	0.0000
158	-26.9590	-110.2767	-41.1707	56.0864	1.2473	-138.4330	26.6982	0.0000
159	-44.8288	-54.1784	-29.7022	32.0011	3.7033	-102.7105	42.4797	0.0000
160	-65.8414	-48.8162	-34.4273	32.5888	-23.7091	-91.0484	52.2785	0.0000
161	-53.6050	-43.6120	-29.1831	4.8575	-41.6915	-55.5855	67.8779	0.0000
162	-45.9220	-71.3222	-35.1343	5.9178	-44.4870	-72.6272	12.4360	0.0000
163	-40.9255	-115.8767	-47.0407	7.4051	-40.2003	-116.6019	5.5910	0.0000
164	-34.2446	-142.2446	-52.9983	7.4115	-33.3093	-142.7516	3.9137	0.0000
165	-20.7663	-136.5945	-47.1482	38.6136	-9.0570	-148.1036	15.8593	0.0000
166	-42.2733	-127.7117	-50.9955	58.9999	-12.1508	-157.8342	27.0467	0.0000
167	-63.0940	-61.7533	-37.4542	58.5221	-3.8977	-120.9496	45.3282	0.0000
168	-83.1788	-55.2734	-41.5357	36.1706	30.4577	-107.9945	55.5470	0.0000
169	-69.4837	-49.4041	-35.6664	8.9208	-46.0135	-72.8744	69.1888	0.0000
170	-65.9578	-77.7216	-43.1038	11.1750	-59.2113	-84.4681	31.1200	0.0000
171	-65.8494	-122.1836	-56.4099	14.9898	-62.1091	-125.9239	14.0104	0.0000
172	-75.1347	-145.1123	-66.0741	17.8012	-70.8667	-149.3803	13.4828	0.0000
173	-84.9513	-136.2902	-66.3724	46.5820	-57.4342	-163.8072	30.5713	0.0000
174	-66.6092	-96.0173	-57.7880	56.4486	-39.8640	-152.7627	45.1502	0.0000
175	-88.5617	-51.7579	-42.0959	33.2013	-32.1959	-108.1197	59.4988	0.0000
176	-68.8526	-37.5472	-31.9199	14.3308	31.9778	-74.4220	68.7622	0.0000
177	-49.4616	-32.0436	-24.4516	4.9504	-30.7349	-50.7703	75.1926	0.0000
178	-49.6755	-36.1098	-25.7356	6.7429	-33.3285	-52.4569	67.5845	0.0000
179	-34.1121	-31.9937	-19.8317	1.1829	-31.4650	-34.6408	65.9211	0.0000
180	-28.3125	-32.6017	-18.2743	0.3177	-28.2891	-32.6251	62.2121	0.0000
181	-26.3377	-32.4657	-17.6410	-0.0426	-26.3374	-32.4660	-0.3978	0.0000
182	-26.1902	-32.5519	-17.9277	0.0496	-26.1900	-32.5522	-0.3658	0.0000
183	-8.7374	-96.1309	-31.4606	0.9625	-8.7268	-96.1415	0.6309	0.0000
184	9.8325	-92.7264	-26.6682	4.5219	-4.0438	-92.9377	2.6754	0.0000
185	16.7537	-93.1716	-22.9234	8.5352	17.4125	-93.8304	4.4135	0.0000
186	25.1268	-91.2089	-19.5546	14.2328	17.8271	-93.0093	6.8127	0.0000
187	52.5032	-67.7040	-4.5802	38.6266	63.8451	-79.0459	16.3638	0.0000
188	41.6085	-17.2283	8.2141	54.8483	76.6527	-49.2725	30.2949	0.0000
189	26.6854	10.8231	11.2526	20.8534	41.0696	-34.5611	34.5907	0.0000
190	22.2505	-15.6196	1.9893	0.1701	22.2513	-15.6203	0.2573	0.0000
191	9.5960	-61.4578	-15.5885	6.3840	10.1651	-62.0268	-5.0935	0.0000
192	1.0025	-104.2954	-31.0479	-6.1454	-1.3593	-104.8522	-3.3226	0.0000
193	-0.3407	-138.9551	-41.7387	-2.2229	-0.3050	-138.9503	-0.5187	0.0000
194	-11.2531	-177.1675	-56.5262	10.4437	-10.5983	-177.8223	3.5877	0.0000
195	-21.3511	-226.1184	-74.2408	34.4576	-15.7082	-231.7618	9.3004	0.0000
196	14.7389	-158.9393	-43.2601	120.7037	76.5959	-220.7959	27.1336	0.0000
197	-52.0457	-34.5061	-25.9655	114.5852	71.6445	-158.1962	47.1883	0.0000
198	-15.6024	-24.4748	-15.9617	31.1359	41.4631	-32.5906	61.3824	0.0000
199	-24.7162	-28.5871	-30.7100	10.0266	-16.3809	-36.9124	39.5636	0.0000
200	-30.6710	-68.3620	-29.7100	2.0820	-30.2567	-68.4766	3.1522	0.0000
201	-26.1010	-104.2402	-39.7024	2.0527	-26.0471	-104.2941	1.5028	0.0000
202	31.1156	-143.4501	-52.3697	9.3850	-30.3369	-144.2288	4.7428	0.0000
203	-39.2879	-193.9297	-69.9653	28.9245	-34.0549	-199.1637	10.2550	0.0000
204	-4.6730	-135.5206	-42.0581	106.2613	54.6900	-194.8852	29.1900	0.0000
205	-64.0119	-23.3600	-26.2116	97.0814	55.5005	-142.8724	50.9126	0.0000
206	-30.6908	-22.7755	-22.7746	22.0352	-30.6901	-43.5953	70.2576	0.0000
207	-41.6755	-33.8633	-22.6616	3.6856	-32.4127	-43.1261	68.4096	0.0000
208	-47.8605	-75.1423	-35.9009	-2.2337	-47.6756	-75.3273	-4.6938	0.0000

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFTY FACTOR
209	-44.7795	-114.1907	-47.6911	-1.7683	-44.7345	-114.2357	-1.4584	0.0000
210	-50.0717	-155.8572	-61.7786	5.16216	-49.8203	-156.1085	2.7873	0.0000
211	-59.9006	-213.4702	-82.0383	25.3867	-55.9005	-214.5604	9.1525	0.0000
212	-22.7768	-159.0757	-53.3557	107.2331	37.0501	-214.9125	29.1641	0.0000
213	-84.7513	-93.7509	-35.5507	101.6888	45.5862	-164.0884	52.0388	0.0000
214	-47.2900	15.3551	-9.5625	23.4158	-41.9746	-55.0210	71.5965	0.0000
215	-57.4287	-46.5691	-31.1993	8.4264	-59.5141	-89.2760	61.3983	0.0000
216	-62.7338	-36.0563	-44.6370	9.2444	-60.3381	-128.8396	19.2027	0.0000
217	-66.5296	-122.7141	-56.7713	19.5376	-60.3381	-168.5937	17.4075	0.0000
218	-85.7854	-156.5900	-72.7126	31.5280	-73.7816	-168.5937	20.8435	0.0000
219	-118.0774	-52.4500	-81.1582	57.7139	-75.0452	-195.4822	36.7086	0.0000
220	-127.4516	-93.5748	-65.1109	57.6820	-47.8052	-169.2311	54.0904	0.0000
221	-94.9814	-37.1570	-39.6415	19.7176	-31.0335	-101.0648	72.8534	0.0000
222	-63.3489	-35.0957	-29.5334	6.4121	-33.7386	-64.7936	77.7933	0.0000
223	-42.8833	-31.0156	-22.1702	0.1021	-31.0147	-42.8861	89.5074	0.0000
224	0.7642	-95.0971	-28.2999	1.0696	0.7762	-95.1090	0.6392	0.0000
225	13.6932	-94.0849	-24.1355	3.4515	13.7397	-94.1984	1.8334	0.0000
226	29.0141	-92.9295	-19.1746	4.2994	29.1635	-93.0809	2.0167	0.0000
227	54.9110	-9.0531	-13.2426	11.0380	55.6983	-99.8404	4.0798	0.0000
228	130.5500	8.0091	36.7488	70.9743	160.4140	-37.9181	22.8508	0.0000
229	86.5866	44.8831	39.4445	41.9173	112.5007	18.9209	31.7727	0.0000
230	53.4426	-0.1395	15.9910	17.6833	58.1524	-5.4492	16.7133	0.0000
231	22.1789	-59.5459	-11.2104	15.9347	25.1759	-62.5439	10.6518	0.0000
232	2.1286	-104.8632	-33.3981	13.8031	-1.2892	-106.7046	7.5908	0.0000
233	-26.6978	-148.2051	-52.4709	16.2343	-24.2661	-150.3367	7.4804	0.0000
234	-45.0100	-198.2608	-72.9813	24.7820	-41.0222	-202.1639	8.9611	0.0000
235	-54.8113	-250.2055	-91.5051	42.5955	-45.9294	-259.0815	11.7785	0.0000
236	-67.0659	-483.3339	-165.1199	98.8211	-44.7973	-505.6026	12.6991	0.0000
237	14.8382	271.1916	85.8089	94.7253	302.3954	-16.3556	71.7674	0.0000
238	3.2488	40.6859	13.2104	37.4620	62.8733	-19.5286	58.2443	0.0000
239	-5.7164	-11.2634	-5.0939	20.7073	12.4023	-29.3821	41.1856	0.0000
240	-21.3565	-63.3021	-25.3980	13.0717	-17.6165	-67.0435	15.9666	0.0000
241	-38.9378	-108.4737	-44.2235	12.5048	-36.7574	-110.6542	9.8909	0.0000
242	-53.8707	-159.2272	-63.9294	18.8794	-50.5898	-162.5921	9.8596	0.0000
243	-61.9497	-208.6610	-81.1832	33.9088	-54.4916	-216.1191	12.4044	0.0000
244	-72.1564	-421.8522	-148.2032	81.8059	-51.3474	-442.6632	13.3325	0.0000
245	0.4062	238.4475	71.6561	82.2001	264.0739	-25.2102	72.6848	0.0000
246	-10.8349	29.3707	5.5607	27.9626	43.7067	-25.1709	62.8535	0.0000
247	-21.7284	-20.1736	-13.5703	14.5930	-6.3379	-35.5652	46.5237	0.0000
248	-39.2850	-72.2137	-33.4428	8.5463	-37.1991	-74.3996	13.7165	0.0000
249	-58.3301	-117.6249	-52.7865	8.6432	-57.0959	-118.8591	8.1266	0.0000
250	-75.4922	-170.8693	-73.9085	15.0363	-73.1779	-173.1936	8.7501	0.0000
251	-85.1240	-220.8933	-91.8040	26.6952	-78.9131	-227.1003	11.8135	0.0000
252	-95.2026	-443.1153	-161.4954	50.2590	-73.1807	-465.1372	13.7115	0.0000
253	-18.0519	238.0967	66.0134	85.7964	264.1783	-44.1335	73.0910	0.0000
254	-26.6859	15.7093	3.2933	26.0531	28.0987	-39.0763	64.5668	0.0000
255	-34.7383	-38.2179	-21.8049	16.7877	-19.6274	-53.3888	41.9911	0.0000
256	-50.6151	-92.1310	-42.8428	19.1609	-43.1236	-99.6224	21.3545	0.0000
257	-72.0514	-133.4245	-61.6428	32.7560	-57.8534	-147.6225	23.4342	0.0000
258	-101.3995	-166.7312	-80.4362	50.5668	-73.8629	-194.4378	28.5709	0.0000
259	-163.3146	-158.8436	-96.6493	73.6851	-87.3632	-234.8010	45.867	0.0000
260	-167.8713	-81.3922	-74.7790	47.9910	-60.0346	-189.2289	55.0093	0.0000

JOINT ANALYSIS

STEP 1 CASE-2

SUB STEP 1

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFTY FACTOR
261	-78.4063	-33.8184	-30.6674	1.5279	-23.7757	-78.4490	88.3980	0.0000
262	-54.6718	-33.2535	-26.3776	0.1274	33.4528	-54.6726	89.6592	0.0000
263	21.4076	154.4000	47.4680	94.0744	203.1068	-27.2992	62.6272	0.0000
264	4.4682	10.4156	4.0186	64.0432	71.5541	-56.6703	46.3292	0.0000
265	-11.5383	-49.9413	-16.5995	48.8478	21.7464	-83.2260	34.2704	0.0000
266	-28.8985	-101.4368	-35.1905	42.6320	9.1949	-121.1503	24.8053	0.0000
267	-45.3309	-150.8716	-53.0017	41.8187	-30.8591	-165.4434	19.2110	0.0000
268	-59.9249	-206.0713	-71.8190	45.7365	-46.7919	-219.2044	16.0212	0.0000
269	-71.1470	-287.4847	-96.8289	55.7368	-57.6257	-300.9999	13.6302	0.0000
270	-54.2474	-394.0710	-121.0480	40.4750	-49.4931	-398.8253	6.6954	0.0000
271	-9.0099	196.3048	50.5696	41.4553	204.3591	-17.0542	79.0050	0.0000
272	-6.2436	82.0754	23.8407	51.9873	108.5006	-20.2015	63.0558	0.0000
273	-6.5228	-0.4302	-1.8773	39.4871	36.1279	-43.0809	47.2037	0.0000
274	-21.6962	-56.8033	-21.1954	34.1320	0.8981	-77.6334	31.3917	0.0000
275	-38.0228	-108.7916	-39.6415	33.2482	-24.8539	-121.9664	21.6074	0.0000
276	-52.9549	-163.8508	-58.5276	36.8004	-41.8541	-174.9517	16.7860	0.0000
277	-65.3376	-242.3906	-83.0866	47.3649	-53.4631	-254.2651	14.0722	0.0000
278	-51.3348	-349.0793	-108.1118	37.2668	-46.7413	-353.5729	7.0693	0.0000
279	-7.9052	181.3802	46.8382	39.1275	189.1494	-15.6744	78.7693	0.0000
280	-2.3963	65.5834	18.5166	44.5322	88.7178	-20.1379	62.5481	0.0000
281	-12.4547	-12.8833	-6.8413	32.7346	20.0663	-45.4033	44.8124	0.0000
282	-29.8724	-67.1966	-26.2086	28.8771	-14.1519	-82.9171	28.5635	0.0000
283	-48.7241	-118.3472	-45.1093	28.9640	-38.2504	-128.3210	19.8806	0.0000
284	-66.3322	-173.9199	-64.0480	33.0480	-56.9637	-183.2584	15.7787	0.0000
285	-81.8716	-256.2051	-91.2807	45.8021	-70.5707	-267.5706	13.3599	0.0000
286	-68.4580	-377.5482	-120.4217	40.5378	-63.2299	-382.7764	7.3489	0.0000
287	-18.4176	185.0803	44.9989	40.1944	192.7317	-26.0690	79.2221	0.0000
288	-5.9350	52.1762	12.6849	41.3746	73.8366	-26.8554	62.3671	0.0000
289	-19.5377	-37.6905	-15.4516	31.7522	4.4099	-61.6381	37.0337	0.0000
290	-35.1273	-96.5140	-35.5432	36.3504	-18.2451	-113.3962	24.8115	0.0000
291	-55.1900	-144.5931	-54.0494	50.2455	-32.7063	-167.4768	24.1073	0.0000
292	-78.5626	-171.8502	-87.6115	70.4472	-40.7171	-209.6958	28.2455	0.0000
293	-120.6397	-198.1027	-120.0604	116.2048	-36.8817	-281.8607	35.7833	0.0000
294	-79.2391	81.4063	0.5851	28.9706	86.4712	-84.3040	80.0834	0.0000
295	-43.7594	27.9439	-4.2702	59.2352	61.3321	-77.1476	60.5920	0.0000
296	-39.1554	-40.8507	-21.6017	58.6306	18.6337	-98.6398	44.5838	0.0000
297	-43.0420	-95.4066	-37.3811	56.5951	-6.8663	-131.5823	32.5868	0.0000
298	-49.6928	-147.9612	-53.3666	55.2888	-24.8607	-172.7933	24.1865	0.0000
299	-54.0322	-206.2342	-70.2881	53.9098	-36.9266	-223.3998	17.6622	0.0000
300	-49.0137	-273.3811	-87.0466	45.4884	-40.1421	-282.2526	11.0358	0.0000
301	-38.4074	-336.8089	-101.3084	18.6366	-37.2479	-337.9683	3.5600	0.0000
302	-33.4624	152.2566	32.0744	19.6555	154.3141	-35.5198	84.0243	0.0000
303	-22.5715	81.6632	15.9691	44.6942	98.2085	-39.0638	69.6848	0.0000
304	-19.5405	10.0632	-2.5952	49.4901	46.8893	-56.4528	59.3328	0.0000
305	-26.9345	-50.1576	-20.8149	48.4030	11.2302	-88.3223	38.2550	0.0000
306	-36.7117	-104.4933	-38.1254	47.5107	-12.2428	-128.9622	27.2493	0.0000
307	-44.2779	-163.4343	-56.0823	46.8792	-28.0457	-179.6655	19.0987	0.0000
308	-42.2620	-232.4340	-74.1652	41.1837	-37.7170	-240.9693	11.7087	0.0000
309	-32.2560	-300.5834	-90.0016	17.8389	-31.5730	-301.7663	3.7939	0.0000
310	-26.8877	145.6949	32.0779	20.0406	147.9915	-29.1843	83.4626	0.0000
311	-17.4371	68.9232	13.9012	42.3069	86.1947	-34.7086	67.7926	0.0000
312	-18.9098	-3.5755	-6.0710	45.2563	34.6585	-57.1439	49.8078	0.0000

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFTY FACTOR
313	-30.6530	-62.0338	-25.0254	44.8399	1.1624	-93.8492	35.3570	0.0000
314	-45.1341	-114.8589	-43.1981	45.1903	-22.9216	-137.0715	26.1757	0.0000
315	-57.6051	-174.6129	-57.6989	45.9331	-41.7340	-150.0840	19.0652	0.0000
316	-59.0260	-250.5453	-83.5842	42.5569	-49.9954	-259.5759	11.9805	0.0000
317	-48.8323	-332.2737	-102.8986	19.7269	-47.4660	-333.6401	3.9622	0.0000
318	-30.4987	124.3186	31.0554	18.0377	156.1813	-41.1614	84.7334	0.0000
319	-25.2039	57.4545	8.7077	36.4338	156.1813	-38.9702	69.3011	0.0000
320	-33.1624	-33.5322	-15.3075	41.2370	13.2208	-69.9189	41.4177	0.0000
321	-33.6475	-101.0569	-36.3702	49.3548	-7.4216	-127.2828	27.8852	0.0000
322	-52.4928	-152.7516	-55.3440	65.3244	-20.2801	-184.9644	26.2489	0.0000
323	-79.5172	-188.5072	-72.3666	90.9284	-28.0043	-240.0201	29.5325	0.0000
324	-104.2309	-207.7725	-84.2409	123.0764	-22.4801	-289.5232	23.5932	0.0000
325	-73.6278	-48.8979	-6.6771	19.0638	51.7956	-76.5254	81.3574	0.0000
326	-68.3890	7.8843	-16.3363	39.5231	24.6701	-85.1748	66.9886	0.0000
327	-56.6822	-42.2294	-26.7061	52.8605	3.8964	-102.3080	48.8922	0.0000
328	-52.7341	-93.2679	-39.4205	58.7310	-10.8715	-135.1305	35.4807	0.0000
329	-53.2005	-141.6423	-52.6076	58.0340	-24.4935	-170.3832	26.3466	0.0000
330	-50.6112	-193.2626	-65.8459	49.8808	-34.8998	-208.9740	17.4833	0.0000
331	-44.3429	-247.3957	-78.7694	35.5363	-38.3033	-253.4352	9.6455	0.0000
332	-40.7339	-296.5646	-91.0839	13.9916	-40.0002	-297.3277	9.1218	0.0000
333	-39.0923	-123.1762	-2.7027	15.0005	124.5512	-40.4673	84.7626	0.0000
334	-36.0047	68.4644	8.7641	26.6703	80.0512	-47.5914	72.4650	0.0000
335	-31.4437	9.0410	-6.0487	48.9041	41.7265	-64.1293	56.2428	0.0000
336	-31.8906	-46.9255	-2.1373	55.3344	16.3671	-94.6532	41.2464	0.0000
337	-36.4847	-97.6246	-36.2095	54.4835	-4.8809	-129.5284	30.3519	0.0000
338	-37.7220	-152.0741	-51.2449	47.1417	-20.7997	-169.0034	19.7528	0.0000
339	-34.0749	-210.5974	-66.0455	42.2672	-27.5983	-217.0740	10.6060	0.0000
340	-31.2106	-265.2623	-82.0559	13.7005	-30.4413	-266.0621	3.3391	0.0000
341	-29.2762	120.5847	24.6533	15.6640	122.2045	-30.8360	84.0962	0.0000
342	-26.8771	59.4751	8.8014	37.4676	73.4654	-40.8374	59.5245	0.0000
343	-25.4585	-3.3610	-7.7812	49.1715	35.9878	-64.8072	51.3320	0.0000
344	-30.8585	-59.1888	-24.3111	52.5200	-8.2772	-102.3184	37.8450	0.0000
345	-39.9776	-109.8483	-40.4530	56.4018	-8.5680	-141.2379	29.1129	0.0000
346	-46.5942	-165.6312	-57.3009	51.2196	-27.5894	-184.6360	20.3571	0.0000
347	-48.0626	-230.9784	-75.3411	38.1506	-40.4207	-238.6203	11.3241	0.0000
348	-45.8417	-298.4946	-92.9708	14.7510	-44.9834	-299.8530	3.3301	0.0000
349	-42.9385	137.4351	25.6755	10.7540	138.1337	-43.0392	86.5910	0.0000
350	-35.9745	50.0350	3.9745	27.0052	57.9126	-43.1921	73.8551	0.0000
351	-31.0570	-39.1520	-18.9564	43.2812	8.3655	-78.5745	42.3287	0.0000
352	-39.2762	-108.8579	-39.9962	61.4187	-3.4730	-144.6351	30.2352	0.0000
353	-59.2180	-163.9183	-60.2463	81.1750	-14.9766	-208.1597	28.5909	0.0000
354	-84.4782	-203.5250	-77.7663	108.8201	-19.9712	-268.0521	30.6559	0.0000
355	-109.1583	-221.5499	-89.2912	137.2553	-17.0403	-313.6679	33.8673	0.0000
356	-71.2065	26.4370	-12.0878	14.3304	28.4967	-73.2662	81.8268	0.0000
357	-64.0599	-9.1163	-19.7576	32.1365	5.6902	-78.8664	65.2637	0.0000
358	-66.3425	53.2433	-32.3107	45.9058	-13.4699	-106.1995	49.0244	0.0000
359	-62.3855	-95.3257	-42.5820	53.6205	-23.7626	-134.6486	36.4625	0.0000
360	-50.0324	-132.1384	-49.1861	53.6115	-22.5610	-158.6038	26.2784	0.0000
361	-47.4306	-174.2304	-59.5592	49.3473	-32.8472	-189.2238	17.7244	0.0000
362	-51.4807	-222.6559	-73.9089	30.5129	-46.1926	-227.5440	9.8321	0.0000
363	-46.2536	-263.4521	-83.6205	10.1987	-45.7758	-263.9299	2.6825	0.0000
364	-40.3988	99.4376	15.9405	12.1389	100.4835	-41.4754	85.0754	0.0000

JOINT ANALYSIS

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFTY FACTOR
365	-36.2192	54.6992	4.9896	33.7612	55.8647	-47.3838	71.6999	0.0000
366	-42.5397	2.2200	-10.8863	47.5718	32.4133	-72.7330	57.5972	0.0000
367	-41.4267	-46.3532	-23.7006	54.0424	10.2085	-97.9884	43.6951	0.0000
368	-31.1237	-88.1237	-32.1971	54.5583	-32.1971	-121.1777	31.2095	0.0000
369	-31.8118	-134.8856	-45.0083	47.1100	-13.5246	-153.4728	21.2153	0.0000
370	-38.7580	-187.5126	-61.0931	31.6222	-32.3149	-193.3590	11.5166	0.0000
371	-33.9159	-234.8992	-72.5801	10.4873	-33.3702	-235.4450	2.9789	0.0000
372	-28.3904	-99.0567	19.0964	12.8945	100.3468	-29.6195	84.2820	0.0000
373	-23.5645	47.4077	6.4377	36.0422	52.5013	-38.5581	67.2773	0.0000
374	-32.1119	-9.5184	-11.2402	51.8950	32.2951	-73.9255	51.1404	0.0000
375	-34.8249	-59.0502	-25.3463	59.3062	13.5930	-107.4681	39.2284	0.0000
376	-29.7113	-102.2938	-35.8288	60.1916	4.1159	-136.8151	29.3357	0.0000
377	-31.4099	-152.2444	-49.5867	55.6676	-9.6741	-173.8802	21.3385	0.0000
378	-43.0809	-206.8679	-67.4852	42.3864	-32.7619	-217.1869	13.8926	0.0000
379	-51.7401	-267.3725	-86.1617	13.1364	-50.9428	-268.1748	3.4733	0.0000
380	-39.4381	128.0832	23.9315	2.9351	128.1346	-39.4995	88.9966	0.0000
381	-24.4009	-37.9604	3.6611	21.5051	44.6573	-31.0977	72.7031	0.0000
382	-44.2687	-54.7628	-26.7331	51.7234	2.4841	-101.4957	42.0983	0.0000
383	-58.7232	-122.4407	-48.9142	70.3348	-13.3682	-167.7957	32.8157	0.0000
384	-62.4864	-175.9431	-64.3760	26.6356	-7.3588	-231.2708	29.7928	0.0000
385	-103.2599	-224.4357	-88.4778	131.0139	-19.5026	-308.1929	32.5908	0.0000
386	-122.8907	-241.9583	-98.5092	161.6641	-10.1470	-354.8917	34.8917	0.0000
387	-87.8564	-13.8564	-22.0898	14.7709	-10.0863	-71.7277	75.6817	0.0000
388	-69.9885	-49.1939	-32.1793	35.1582	-22.9277	-96.2547	53.2372	0.0000
389	-67.1651	-49.2982	-31.4451	46.4005	-10.9790	-105.4489	50.4489	0.0000
390	-59.9161	-83.6933	-38.7751	37.6944	-32.2807	-111.3307	35.2468	0.0000
391	-54.0561	-132.7997	-50.4511	37.3530	-39.1555	-147.6993	21.7464	0.0000
392	-45.8005	-171.0924	-58.5881	46.4221	-30.5653	-186.4276	18.2806	0.0000
393	-43.8167	-169.9420	-57.7148	39.2282	-34.6441	-179.1146	14.5943	0.0000
394	-47.4411	-205.3966	-68.2662	12.4213	-46.4703	-206.3675	4.4690	0.0000
395	-46.6180	54.7217	2.1880	15.2364	56.9629	-48.8281	81.6320	0.0000
396	-45.8708	11.3434	-9.3224	39.2446	21.3007	-65.8281	63.0450	0.0000
397	-44.7097	11.7738	-8.8530	52.5153	43.1590	-76.0959	59.1351	0.0000
398	-42.1444	-30.6188	-19.6461	43.8942	7.8893	-80.6524	48.7397	0.0000
399	-38.3617	-88.2164	-34.1761	43.3030	-13.3238	-113.2543	30.0366	0.0000
400	-29.9634	-133.0372	-44.0101	51.6956	-8.5038	-154.4968	22.5440	0.0000
401	-29.1863	-132.7457	-43.7227	38.8778	-16.2159	-145.7201	18.4496	0.0000
402	-33.7698	-176.0834	-56.6904	14.6843	-32.2704	-177.5828	5.8301	0.0000
403	-32.5163	55.0431	6.0822	16.7394	58.1341	-35.6074	79.5377	0.0000
404	-32.6006	1.3380	-8.4409	41.8663	29.5432	-60.8059	56.0319	0.0000
405	-31.1568	1.8220	-7.9069	56.6848	44.3991	-73.6839	53.1214	0.0000
406	-24.5009	-47.6294	-19.4752	50.5385	15.7795	-87.9089	38.5557	0.0000
407	-17.2674	-107.8182	-33.7731	57.5134	10.6532	-135.7388	25.8948	0.0000
408	-23.8808	-153.1515	-47.7987	67.0191	4.5929	-181.6252	23.0187	0.0000
409	-26.4106	-154.0811	-48.7344	52.1018	-7.8479	-172.6496	19.6099	0.0000
410	-14.6942	-196.7824	-57.0287	32.0809	-9.2074	-202.2692	9.7054	0.0000
411	-23.9597	81.1160	15.6212	81.8187	81.8187	-23.9624	-89.7134	0.0000
412	-39.9991	-48.1780	-23.8078	42.7125	-1.1808	-85.9964	42.2655	0.0000
413	-49.1597	-51.5662	-27.1960	74.8561	24.5028	-125.2287	44.5395	0.0000
414	-53.7165	-124.5093	-48.1210	73.6399	-7.4077	-170.8181	32.1639	0.0000
415	-35.7118	-217.0926	-84.4512	131.1573	-11.8839	-300.9206	32.5843	0.0000
416	-120.2852	-246.4990	-99.0317	175.1427	2.7730	-369.5572	35.0925	0.0000

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFETY FACTOR
417	-64.3678	-45.2665	-29.6013	15.7193	-36.4240	-73.2104	60.6409	0.0000
418	-56.0854	-81.6103	-37.1778	30.6963	-35.6042	-102.0915	33.7121	0.0000
419	-53.1013	-120.0354	-46.7469	30.5339	-41.2647	-131.1884	21.1884	0.0000
420	-45.7669	-156.0528	-54.9313	14.8822	-43.7932	-158.0265	7.5531	0.0000
421	-48.8364	17.6505	-8.4202	19.1867	-22.7900	-53.9759	75.0041	0.0000
422	-42.1430	-25.7072	-18.9196	40.7445	7.6399	-75.4901	50.7016	0.0000
423	-41.8943	-74.5773	-31.4474	39.4536	-15.5319	-100.9398	38.7504	0.0000
424	-34.6722	-122.3264	-42.8966	18.2857	-31.0101	-125.9884	11.3241	0.0000
425	-36.7685	18.8923	-4.8266	17.5110	23.9430	-41.8192	73.9108	0.0000
426	-21.5824	-44.9309	-17.9532	39.7032	8.1392	-74.6325	36.8005	0.0000
427	-8.6575	-105.9958	-30.9564	48.1932	11.1663	-125.8196	22.3592	0.0000
428	6.7987	-131.0079	-33.5365	27.2326	12.0072	-136.2164	10.8043	0.0000
429	-23.1921	14.9186	-2.2339	46.1726	45.8134	-54.0869	56.2129	0.0000
430	-36.3637	-181.7968	-72.4033	123.9841	-1.2310	-266.9295	34.4751	0.0000
431	-135.1102	-263.8147	-107.7097	204.9571	15.3599	-414.2844	36.2844	0.0000
432	-56.8394	-64.5626	-32.7785	11.4166	-48.5921	-72.8098	35.7016	0.0000
433	-53.0162	-83.1542	-36.7660	23.8995	-39.8317	-96.3387	28.8840	0.0000
434	-47.8224	-102.0962	-40.4780	24.1392	-38.6464	-111.2723	20.8212	0.0000
435	-45.1315	-44.2627	-44.2627	11.8709	-43.2769	-120.7330	8.9015	0.0000
436	-43.9905	-7.8850	-14.0064	17.5258	-0.7771	-51.0984	67.9243	0.0000
437	-42.6683	-28.1853	-19.1308	37.0462	-2.3201	-73.1747	50.5305	0.0000
438	-40.4037	-52.3490	-25.0432	36.4579	9.4325	-83.3203	40.3481	0.0000
439	-40.3837	-80.1079	-32.5327	16.3724	-34.5090	-85.9867	19.7503	0.0000
440	-38.1152	3.4644	-9.3557	11.3736	6.3735	-41.0254	75.6537	0.0000
441	-32.5584	-47.5287	-21.6235	26.8188	-12.6810	-67.4061	37.0620	0.0000
442	-23.9400	-37.4692	-32.7805	28.3388	-14.2856	-107.1236	18.8129	0.0000
443	-27.5299	-85.0757	-25.0035	27.0108	0.9510	-93.5566	17.4313	0.0000
444	-52.8132	-89.4820	-38.4197	108.1191	38.5150	-180.8102	40.1878	0.0000
445	-132.9667	-220.0540	-95.3237	196.8323	25.0525	-378.1133	38.7650	0.0000
446	-53.4387	-75.9901	-34.9512	8.5120	-50.8036	-78.8442	19.5367	0.0000
447	-49.1238	-82.6858	-35.5889	19.4276	-40.2394	-91.5773	24.5898	0.0000
448	-44.6232	-89.9937	-38.3469	19.8470	-37.1677	-97.4503	20.5915	0.0000
449	-41.0943	-93.8638	-36.4387	9.3489	-39.4870	-95.4712	9.7554	0.0000
450	-40.7529	-25.7053	-17.9437	15.8646	-15.6708	-50.7874	57.6863	0.0000
451	-37.9774	-29.5239	-18.2253	35.6778	2.1167	-69.6780	48.3782	0.0000
452	-37.7063	-36.3461	-19.3941	36.9040	-0.1159	-73.9365	45.5279	0.0000
453	-39.7413	-49.1988	-24.0138	16.6110	-27.1391	-61.7410	37.0548	0.0000
454	-40.4904	-2.6730	-11.6541	7.8118	-1.1229	-42.0405	78.7765	0.0000
455	-40.1798	-47.4207	-23.6521	25.4089	-18.7347	-69.4658	40.9453	0.0000
456	-56.4158	-87.4218	-38.8011	30.0768	-38.0737	-105.6339	31.4599	0.0000
457	-110.0887	-61.5306	-46.3318	-3.0323	-61.3419	-110.2574	-86.4390	0.0000
458	-173.2822	-216.9437	-105.3610	211.3561	17.3876	-407.5935	42.0514	0.0000
459	-121.9355	-95.7337	-29.7707	197.2160	88.8161	-306.4853	46.9003	0.0000
460	-50.7490	-82.3076	-33.9253	6.4481	-49.4824	-83.5742	11.1135	0.0000
461	-46.8474	-81.5371	-34.6638	15.4832	-40.9421	-87.4235	20.8771	0.0000
462	-42.0709	-81.4824	-33.3594	15.9918	-36.5985	-87.1548	19.5302	0.0000
463	-38.9744	-77.5696	-31.4731	7.8651	-37.4593	-79.1117	11.0931	0.0000
464	-38.5637	-37.6882	-19.9867	14.3224	-22.6751	-64.7831	43.6891	0.0000
465	-32.0915	-32.0754	-17.3008	32.7546	0.7162	-64.7831	44.5676	0.0000
466	-38.8899	-26.1495	-14.7254	37.8348	10.5821	-65.1203	43.8476	0.0000
467	-34.1625	-24.0903	-15.7283	19.8236	-8.6732	-49.5797	52.1270	0.0000
468	-35.5452	-6.5043	-11.3534	6.0834	-5.2817	-36.7681	78.6343	0.0000

JOINT ANALYSIS

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFTY FACTOR
469	-41.1349	-56.2671	-26.2985	29.9569	-17.8034	-79.5966	37.9128	0.0000
470	-70.9860	-71.4236	-38.4506	53.5370	-17.8673	-124.7423	44.8829	0.0000
471	-167.6451	-172.9951	-91.9729	132.2088	-38.0842	-302.5560	44.4204	0.0000
472	-196.0147	-187.2857	-76.4311	92.0882	-34.7122	-248.5882	60.2778	0.0000
473	83.1344	-224.6042	-83.0894	84.5793	-43.6101	-264.1285	25.0469	0.0000
474	48.2947	-86.8172	-36.4802	37.1625	-47.9395	-87.1725	5.4801	0.0000
475	-44.5728	-78.9348	-33.3471	10.5345	-41.8003	-81.9073	15.7572	0.0000
476	-39.9738	-71.9318	-30.2145	11.0828	-41.8003	-75.3991	17.3723	0.0000
477	-36.5171	-60.5775	-26.2156	5.4584	-35.3368	-61.7579	12.2025	0.0000
478	-33.0166	-48.8750	-22.1107	10.5066	-27.7829	-54.1066	26.4793	0.0000
479	-24.1637	-35.0164	-15.9786	25.5696	-3.4510	-55.7231	39.0093	0.0000
480	-13.2419	-20.5260	-9.1173	33.2216	16.5396	-50.3046	41.8719	0.0000
481	-3.7779	-10.3812	-1.7829	26.4385	30.6716	-24.0583	52.4953	0.0000
482	-10.2559	-14.2713	-6.6575	6.3870	-5.9527	-19.0045	36.5410	0.0000
483	-38.4582	-73.2727	-30.1668	47.4085	-5.3608	-106.3681	34.9155	0.0000
484	-72.7631	-112.0755	-49.9064	92.7575	2.3980	-187.2866	39.0177	0.0000
485	-75.3890	-152.7197	-61.5894	119.5840	11.6251	-239.7339	36.0412	0.0000
486	-58.5758	-158.2049	-58.5308	49.6076	-38.0881	-178.6326	22.4404	0.0000
487	-45.6758	-87.9541	-36.0859	1.1434	-45.6666	-87.9389	1.5389	0.0000
488	43.0913	-74.7217	-31.8096	5.7543	-42.0772	-75.7360	9.9869	0.0000
489	-39.6540	-62.2292	-27.3085	6.0414	-38.1389	-63.7442	14.0784	0.0000
490	-36.7832	-45.8457	-23.5098	2.5631	-36.1086	-46.5204	14.7472	0.0000
491	-33.2313	-63.8489	-23.5090	4.1064	-32.4339	-54.6363	10.8549	0.0000
492	-21.0397	-38.9583	-13.6583	11.9110	-43.3210	-43.3210	28.1171	0.0000
493	-2.1705	-14.5597	-4.5172	18.5769	11.2174	-27.9476	35.7793	0.0000
494	10.4267	40.1100	13.6449	8.3309	42.2883	8.2484	5.3469	0.0000
495	-2.5803	-40.3611	-1.7022	37.4431	20.1780	-63.5194	31.7365	0.0000
496	-41.6203	-93.3701	-36.4609	77.3570	14.0416	-149.0820	35.7611	0.0000
497	-73.8908	-132.2977	-55.6709	101.5461	2.5678	-238.7562	36.9777	0.0000
498	-64.4580	-151.8969	-58.4158	119.1228	18.7148	-235.0897	34.9231	0.0000
499	-43.2077	-85.8038	-34.8334	0.2647	-43.2061	-85.8065	-0.3561	0.0000
500	-42.7349	-69.2902	-30.2463	0.0263	-42.3944	-59.6308	6.4199	0.0000
501	-42.0007	-52.9052	-25.6246	2.9150	-41.2703	-53.6355	14.0656	0.0000
502	-41.2077	-35.1078	-20.6052	0.5590	-35.0570	-41.2586	84.8069	0.0000
503	-39.0470	-48.6334	-23.6737	-2.0208	-38.6385	-49.0420	-11.4300	0.0000
504	-30.5010	-33.1526	-17.1865	-3.6425	-27.9505	-33.7031	-34.5996	0.0000
505	-12.8817	-13.3974	-7.0954	-1.1296	-11.9809	-14.2982	-38.5702	0.0000
506	5.8205	58.6539	17.4135	13.8381	62.0601	2.4344	76.1719	0.0000
507	-17.6394	-93.4184	-29.9856	60.7561	16.0736	-127.1313	29.0255	0.0000
508	-73.1458	-105.3331	-48.1893	108.1489	20.1003	-198.5792	40.7680	0.0000
509	-84.4296	-129.9023	-57.8698	112.4611	7.5705	-221.9023	39.2853	0.0000
510	-40.7462	-82.7571	-33.3453	0.0565	-40.7462	-82.7572	0.0768	0.0000
511	-42.9415	-63.3617	-28.7019	3.7665	-42.2689	-64.0343	10.1245	0.0000
512	-45.7250	-43.9002	-24.0368	3.3515	-40.9486	-48.0767	54.9439	0.0000
513	-47.8595	-25.9369	-19.9163	0.4814	-35.8964	-47.8700	88.7443	0.0000
514	-48.5260	-36.4333	-22.9236	-0.8519	-34.7051	-50.2343	-70.6302	0.0000
515	-48.9989	-22.4098	-19.2798	-9.4535	-19.3911	-52.0155	-72.2910	0.0000
516	-55.1634	-11.6139	-18.1919	-14.3607	-7.3538	-60.0235	-73.4770	0.0000
517	-76.1332	62.5174	-3.6601	-6.2959	62.8625	-76.4184	-87.4065	0.0000
518	-116.9245	-208.2388	-87.7925	138.2896	-16.3668	-308.1904	35.8639	0.0000
519	-136.6778	-76.6883	-57.6088	111.2837	8.5721	-221.9382	52.5423	0.0000
520	-95.9319	-86.0321	-49.4165	103.0227	11.6531	-194.6772	46.5057	0.0000

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFTY FACTOR
521	-84.2340	-112.6798	-53.1667	111.5960	14.0418	-210.9555	41.3684	0.0000
522	-38.5351	-82.3039	-32.6265	1.9597	-38.4531	-82.3909	2.5507	0.0000
523	-42.5302	-58.4012	-27.2515	7.5200	-39.5331	-61.3984	21.7300	0.0000
524	-48.0602	-34.0465	-22.1688	7.0278	-31.1393	-50.9774	67.4572	0.0000
525	-52.5894	-16.1026	-18.5468	2.2650	-15.9625	-52.7295	86.4613	0.0000
526	-55.3600	-24.4692	-21.5539	-3.6079	-24.0324	-55.7758	-83.4259	0.0000
527	-67.0235	-18.3555	-22.0803	-3.6508	-18.0617	-63.7113	-85.3987	0.0000
528	-83.4235	2.8588	-23.7346	9.2842	-3.8054	-88.0015	84.1980	0.0000
529	-159.2610	-83.4605	-65.5348	89.7848	-35.9044	-218.8171	56.4429	0.0000
530	-119.0610	-153.8481	-73.8855	51.0912	-82.4338	-190.4283	35.5996	0.0000
531	-196.8069	-125.3303	-66.9771	90.9195	-63.3774	-258.7599	55.7293	0.0000
532	-107.4299	-78.8540	-50.2967	70.2160	-21.4870	-164.7959	50.7509	0.0000
533	-81.7329	-66.3272	-39.9897	73.5384	-0.1117	-147.9884	47.9995	0.0000
534	-35.9630	-84.9547	-32.6478	4.0890	-35.6240	-85.2936	4.7384	0.0000
535	-39.8720	-55.0789	-25.6368	12.1893	-33.1091	-61.8418	29.0224	0.0000
536	-46.7684	-25.2061	-19.4331	12.3164	-19.6187	-52.3557	65.5956	0.0000
537	-52.7975	-4.5078	-15.4724	5.0066	-3.9942	-53.3111	84.1427	0.0000
538	-55.8262	-17.6515	-19.8390	-1.5421	-17.5993	-53.8884	-87.6906	0.0000
539	-62.9756	-17.6143	-31.7593	5.0237	-17.0646	-63.5253	63.7554	0.0000
540	-84.5102	-33.0374	-31.7379	38.3057	-12.6253	-104.9324	61.9480	0.0000
541	-80.9607	-32.2464	-44.0659	78.1412	-3.4597	-159.7474	44.7643	0.0000
542	-78.1704	-116.6666	-52.6060	62.2785	-32.2324	-162.6036	36.4127	0.0000
543	-41.3798	-97.9058	-37.6071	48.1783	-13.7863	-125.4993	29.8014	0.0000
544	-67.7121	-52.7124	-32.5145	57.0699	-2.3175	-118.1070	48.7216	0.0000
545	-46.0042	-44.6225	-24.4847	31.8309	-13.5043	-77.1799	45.5936	0.0000
546	-31.9842	-91.0360	-33.2127	5.2763	-31.5164	-91.4938	5.0667	0.0000
547	-32.1648	-53.8317	-23.2164	15.5239	-24.0659	-61.9207	27.5515	0.0000
548	-34.5329	-15.0187	-13.2299	19.2124	-3.2278	-46.3238	58.4620	0.0000
549	-42.9609	15.1136	-7.5182	10.2545	16.8730	-44.7183	80.2750	0.0000
550	-41.1025	-12.6150	-15.3137	-1.3549	-12.5568	-44.1607	-87.5406	0.0000
551	-46.9734	-29.5571	-20.6632	13.3829	-22.3823	-54.1481	61.6243	0.0000
552	-63.6300	-54.0608	-29.0665	42.3920	-11.4828	-96.2079	44.8543	0.0000
553	-47.6200	-82.9469	-35.2104	63.0795	0.3227	-130.7317	37.4251	0.0000
554	-34.7491	-84.1179	-32.0941	55.7736	1.5584	-120.4254	33.0933	0.0000
555	-31.3702	-70.8428	-27.5975	25.0083	-19.2484	-82.9646	25.8599	0.0000
556	-27.1450	-98.1992	-33.8329	2.1406	-27.0905	-98.2636	1.7240	0.0000
557	-20.5052	-53.4957	-19.9605	10.7981	-17.2853	-56.7166	16.6043	0.0000
558	-10.8267	-10.2649	-5.6347	16.6377	6.0943	-27.1859	45.8837	0.0000
559	-4.0575	46.1741	12.8385	18.1033	52.5777	-10.0278	70.5241	0.0000
560	-23.7962	-46.7566	-3.5528	-3.3324	-2.4002	-10.7581	-26.4427	0.0000
561	-34.6398	-68.5520	-19.0493	22.9033	-9.6579	-60.8950	31.6984	0.0000
562	-35.4212	-78.6439	-27.3218	43.4546	-4.3044	-96.8874	24.9186	0.0000
563	-28.5502	-78.8332	-30.7976	53.5159	0.6832	-114.7483	34.0050	0.0000
564	-23.8472	-69.3046	-28.9935	51.1073	9.2649	-110.6483	31.9029	0.0000
565	-12.7811	-50.4114	-33.2510	-4.3216	-23.6005	-99.5513	-3.2672	0.0000
566	2.6000	-5.3661	-17.0620	-2.2314	-12.6492	-50.5433	-3.3817	0.0000
567	18.9258	63.9753	-20.7469	-10.9196	3.0384	-5.8046	-12.8658	0.0000
568	-10.9214	-66.8573	-21.2832	26.2167	66.1675	-16.7335	-77.8433	0.0000
569	-15.8266	-69.2875	-19.4735	39.4990	26.7007	-32.6365	31.0429	0.0000
571	-32.9760	-69.4496	-27.4929	48.8115	8.3140	-80.4382	31.4427	0.0000
572	-40.8321	-80.5226	-32.7658	57.6935	1.2399	-103.1255	34.6025	0.0000
					0.2387	-121.6934	35.5097	0.0000

JOINT ANALYSIS

STEP 1 CASE-2

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SUB STEP 1

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFTY FACTOR
573	-22.3499	-89.0542	-30.0791	-10.3049	-20.7942	-90.6099	-8.5848	0.0000
574	-12.6301	-44.7744	-15.4992	-13.4778	-6.3891	-51.0154	-21.9604	0.0000
575	0.9995	1.8420	0.7672	-13.1444	14.5719	-11.7304	-45.9178	0.0000
576	-0.7279	61.1301	15.4301	61.1301	61.3558	-0.5036	-86.5367	0.0000
577	-7.8511	-39.1539	-12.6914	29.2615	9.6819	-56.9293	30.9293	0.0000
578	-24.2306	-54.8848	-21.2612	54.3997	16.9600	-96.0754	37.1324	0.0000
579	-41.6467	-69.8109	-30.0936	55.1789	1.2187	-112.6753	37.8416	0.0000
580	-44.6626	-81.4365	-34.0468	64.5551	4.0730	-130.1721	37.0508	0.0000
581	-21.9345	-68.3405	-24.3743	-14.6273	-17.7088	-72.5663	-16.1138	0.0000
582	-18.8983	-34.9203	-14.5310	-23.5195	-0.1620	-53.6566	-36.2860	0.0000
583	-11.5489	-3.1722	-3.9747	-23.8268	16.8316	-31.5577	-49.9849	0.0000
584	4.6423	57.2747	16.7176	-2.7807	57.4312	4.4357	-86.2841	0.0000
585	-14.4259	-70.7793	-23.0054	45.2910	10.7378	-95.9430	29.0566	0.0000
586	-49.0300	-53.2131	-27.6056	56.1840	15.0953	-117.3386	44.0950	0.0000
587	-45.1694	-60.5703	-23.5499	56.8961	4.5447	-110.2850	41.1460	0.0000
588	-21.5383	-42.3854	-17.2594	-13.8539	-14.6246	-49.2391	-26.5212	0.0000
589	-29.5932	-22.8226	-14.1528	-23.8394	-2.1302	-50.8276	-49.0423	0.0000
590	-44.9298	0.0101	-12.1283	-27.6081	13.1366	-58.0363	-64.5709	0.0000
591	-64.6603	39.2051	6.8726	-25.3142	45.0472	-70.5014	-77.0668	0.0000
592	-98.9354	-125.7553	-60.6665	50.3462	-18.0409	-206.6498	40.9125	0.0000
593	-54.9040	-21.9529	-20.7514	50.4405	14.6346	-91.3915	54.0444	0.0000
594	-37.5680	-36.6387	-20.0358	44.7431	7.6422	-81.8489	45.2875	0.0000
595	-21.0817	-23.0550	-11.9196	-7.2173	-14.7882	-29.3585	-41.0884	0.0000
596	-37.7684	-18.8524	-15.2890	-1.7271	-13.2499	-43.3759	-64.4365	0.0000
597	-64.8693	7.7036	-15.4347	2.5880	7.7958	-64.6614	87.5602	0.0000
598	-115.9846	-99.6070	-58.2098	58.4831	-8.7422	-166.8495	48.5854	0.0000
599	-100.6671	-42.2261	-38.5812	22.0940	-34.8135	-108.0797	71.4533	0.0000
600	-35.5144	-3.4598	-10.7957	-21.1471	6.8442	-46.8284	64.0003	0.0000
601	-19.6664	-15.7556	-9.5694	-0.2569	-15.7389	-19.7032	-86.2765	0.0000
602	-33.4607	-18.1006	-13.9215	4.9114	-6.6644	-34.8968	73.7007	0.0000
603	-51.4071	-31.5371	-23.3549	26.2724	-13.3840	-69.5603	55.3571	0.0000
604	-36.2086	56.7016	-25.0853	3.9474	-9.0759	-83.8343	37.0451	0.0000
605	-7.8600	-64.1916	-19.4015	3.4255	-7.4532	-64.4044	3.4546	0.0000
606	-28.6626	-8.5448	-10.0460	19.5224	3.3578	-40.5652	58.6299	0.0000
607	-15.7202	6.6401	-2.4516	-18.6976	17.2452	-26.3253	-60.4385	0.0000
608	-17.0402	-13.4287	-8.2266	3.5903	-1.2156	-19.2532	44.4188	0.0000
609	-24.5771	-24.5927	-13.2758	13.8661	-10.7188	-38.4510	58.3501	0.0000
610	-22.0987	-36.0693	-15.7054	23.6190	-4.4537	-53.7142	36.7622	0.0000
611	-10.7380	-49.1796	-16.1798	21.5269	-11.0997	-58.8179	24.1196	0.0000
612	-10.3304	-10.5700	-0.0647	-5.4988	11.6888	-11.9284	-15.8764	0.0000
613	-12.9322	-13.9111	-7.2477	5.4178	-5.2948	-18.8615	42.4188	0.0000
614	-4.9313	-24.5041	-10.4478	13.0727	-2.7314	-33.4006	34.2368	0.0000
615	-10.8756	-34.4146	-12.2283	16.0634	-2.7314	-42.5587	26.3351	0.0000
616	-3.0550	-32.9240	-9.7193	12.6382	-1.5749	-31.5539	20.1198	0.0000
617	-1.8480	-33.9388	-9.6624	0.6362	-1.8434	-33.9435	0.6893	0.0000
618	-3.1017	-13.5027	-5.8382	5.0187	-5.1031	-16.5013	30.8578	0.0000
619	-7.2203	-21.0037	-7.6205	9.4111	-2.4473	-36.7766	26.8924	0.0000
620	-4.8401	-26.0406	-8.3378	9.3832	-1.2837	-53.5970	20.7576	0.0000
621	-4.1369	-30.4393	-9.3359	10.2020	-0.6427	-33.9236	18.9065	0.0000
622	-4.8218	-11.4266	-4.3860	3.4983	-3.3171	-12.9273	23.3091	0.0000
623	-4.3134	-15.2652	-5.2862	6.3206	-1.4266	-18.1520	24.5479	0.0000
624	-3.6138	-19.3331	-6.1957	6.6163	-1.1998	-21.7472	20.0454	0.0000

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFETY FACTOR
625	-2.5301	-24.3280	-7.2517	6.8969	-0.5312	-26.3269	16.1628	0.0000
626	-2.1159	-7.7264	-2.6574	2.9656	-1.4374	-8.4048	18.1829	0.0000
627	-2.1339	-9.3901	-3.1115	3.9402	-0.4059	-1.1181	23.6806	0.0000
628	-1.5191	-11.7948	-3.5948	3.7460	-0.2955	-13.0154	18.0477	0.0000
629	-0.5082	-13.7089	-3.8378	2.9656	-0.0942	-14.1199	9.8569	0.0000
630	-0.1500	-2.7669	-0.7876	0.7155	0.0328	-2.9498	14.3363	0.0000
631	-0.0817	-3.2033	-0.8869	1.5615	0.5653	-3.8503	22.5059	0.0000
632	0.6025	-3.7215	-0.8448	1.1121	0.8712	-4.0002	13.5832	0.0000
633	0.6205	-3.9057	-0.8870	0.1636	0.6564	-3.9116	2.0668	0.0000

JOINT ELEMENT STRAIN STRESS (TOTAL)

ELEMENT	STRAIN(UO)	STRAIN(VO)	STRAIN(WO)	STRESS(ST)	STRESS(SN)	MOMENT(FM)	SAFETY FACT
1250	-3.323854E-03	-9.869243E-07	5.860430E-07	0.0000	-49.3462	16.6629	0.0000
1250	-5.583394E-03	-6.295043E-07	-2.173096E-07	0.0000	-31.4752	-6.1689	0.0000
1322	-4.110066E-03	-8.270370E-07	1.324295E-08	0.0000	-41.3518	0.2788	0.0000
1386	-1.070566E-02	-9.553566E-07	-4.253726E-08	0.0000	-42.7666	-1.2095	0.0000
1413	-1.249522E-02	-9.436834E-07	5.651400E-09	0.0000	-46.2796	-3.4068	0.0000
1429	-1.374298E-02	-8.912982E-07	2.071783E-08	0.0000	-47.1842	1.2845	0.0000
1444	-1.434603E-02	-8.194909E-07	3.037156E-08	0.0000	-44.5849	5.1795	0.0000
1459	-1.455161E-02	-7.573285E-07	2.549074E-08	0.0000	-40.9745	0.9491	0.0000
1473	-1.461545E-02	-7.049979E-07	1.316341E-08	0.0000	-37.8659	1.5523	0.0000
1487	-1.452390E-02	-7.215916E-07	-2.381419E-08	0.0000	-35.2475	1.5692	0.0000
1500	-1.434893E-02	-7.99514E-07	2.63613E-08	0.0000	-36.0796	-2.2389	0.0000
1512	-1.413255E-02	-1.034228E-06	1.237290E-07	0.0000	-39.9976	-3.1395	0.0000
1526	-1.408701E-02	-8.340342E-07	3.372901E-07	0.0000	-51.7214	-14.7497	0.0000
1536	-1.384208E-02	-1.954903E-06	-1.289012E-06	0.0000	-41.7017	16.9869	0.0000
1548	-1.384483E-02	-2.851214E-06	2.366077E-06	0.0000	-97.7451	-65.3462	0.0000
1559	-1.356731E-02	1.510523E-05	1.899050E-05	0.0000	-142.5607	-298.6039	0.0000
1569	-1.315623E-02	8.231977E-04	7.013504E-04	0.0000	-95.3583	364.8041	0.0000
1572	-1.255901E-02	2.48163E-03	7.718731E-04	0.0000	0.0000	0.0000	0.0000
1587	-1.208291E-02	4.477153E-03	9.420911E-04	0.0000	0.0000	0.0000	0.0000
1595	-1.098450E-02	7.643318E-03	1.500841E-03	0.0000	0.0000	0.0000	0.0000
1603	-1.398619E-02	-5.036376E-06	1.702724E-05	0.0000	0.0000	0.0000	0.0000
1610	-1.37943E-02	1.563435E-04	8.511478E-05	0.0000	-352.9583	417.8869	0.0000
1258	-2.987072E-03	-1.046959E-06	8.032842E-07	0.0000	0.0000	0.0000	0.0000
1298	-5.094634E-03	-4.84053E-07	-2.257542E-07	0.0000	-52.3479	23.0103	0.0000
1330	-6.809311E-03	-6.427991E-07	5.911117E-08	0.0000	-24.0703	-6.4089	0.0000
1352	-8.632317E-03	-6.060897E-07	-2.119691E-08	0.0000	-32.1400	1.6781	0.0000
1394	-9.891524E-03	-6.597611E-07	-1.70021E-08	0.0000	30.9045	-0.6027	0.0000
1417	-1.153543E-02	-7.080126E-07	7.803784E-09	0.0000	-32.9881	-3.8867	0.0000
1433	-1.270603E-02	-8.783970E-07	7.763225E-08	0.0000	-35.4006	-1.7737	0.0000
1448	-1.305866E-02	-4.6930504E-07	5.706111E-07	0.0000	-43.9198	-19.4081	0.0000
1463	-1.355758E-02	-1.833652E-06	-1.552970E-06	0.0000	-23.1525	17.8316	0.0000
1477	-1.364465E-02	-7.467865E-06	7.195346E-06	0.0000	-91.6826	-94.7858	0.0000
1491	-1.340056E-02	9.450489E-04	5.928565E-04	0.0000	-12.0523	44.1367	0.0000
1504	-1.259408E-02	3.136740E-03	8.098256E-04	0.0000	0.0000	0.0000	0.0000

JOINT ANALYSIS

STEP 1 CASE-2

SUB STEP 1

JOINT ELEMENT STRAIN, STRESS (TOTAL)

ELEMENT	STRAIN(DO)	STRAIN(VO)	STRAIN(WO)	STRESS(ST)	STRESS(SN)	MOMENT(FM)	SAFTY FACT
1516	-1.071914E-02	7.100627E-03	1.727062E-03	0.0000	0.0000	0.0000	0.0000
1528	-1.370784E-02	-8.248800E-06	5.091778E-06	0.0000	-422.4400	778.1995	0.0000
1541	-1.387309E-02	-1.240149E-06	-8.449617E-07	0.0000	-62.0074	-129.1393	0.0000
1266	-3.167951E-03	-1.607737E-06	1.345776E-06	0.0000	-80.3869	38.2643	0.0000
1308	-5.464365E-03	-7.250915E-07	-4.351169E-07	0.0000	-36.2546	-12.3525	0.0000
1328	-7.407257E-03	-8.308057E-07	3.259644E-07	0.0000	-41.5403	9.2538	0.0000
1370	-9.159138E-03	-1.336524E-06	-8.476929E-07	0.0000	-66.8262	-24.1024	0.0000
1402	-1.123251E-02	4.441967E-07	1.343037E-06	0.0000	-2.4218	110.9408	0.0000
1421	-1.343055E-02	1.128052E-03	5.806478E-04	0.0000	0.0000	0.0000	0.0000
1437	-1.452392E-02	4.761748E-03	1.254345E-03	0.0000	0.0000	0.0000	0.0000
1452	-1.410963E-02	9.907200E-03	2.636762E-03	0.0000	0.0000	0.0000	0.0000
1467	-1.857389E-02	2.075005E-07	1.961868E-05	0.0000	-413.0128	1509.1246	0.0000

STRUCTURAL ANALYSIS SYSTEM

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SSSSSSSSSS TTTTTTTTTT AAAAAAAAAA GGGGGGGGGG EEEEEEEEEEE
SSSSSSSSSS TTTTTTTTTT AAAAAAAAAA GGGGGGGGGG EEEEEEEEEEE
SSSSSSSSSS TT AA AA GG EE
SSSSSSSSSS TT AA AAAAAAAAAA GG EEEEEEEEEEE
SSSSSSSSSS TT AAAAAAAAAA GG GGGG EEEEEEEEEEE
SSSSSSSSSS TT AA AA GG GG EE
SSSSSSSSSS TT AA AA GG GG EE
SSSSSSSSSS TT AA AA GGGGGGGGGG EEEEEEEEEEE
SSSSSSSSSS TT AA AA GGGGGGGGGG EEEEEEEEEEE

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FOR GEOLOGICAL PROBLEM

VT.21

CASE - 3

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379		376	213.480	194.312	0.000			
380		377	214.930	194.312	0.000			
381		378	156.535	196.250	0.000			
382		379	158.137	196.250	0.000			
383		380	159.689	196.250	0.000			
384		381	161.241	196.250	0.000			
385		382	162.792	196.250	0.000			
386		383	164.344	196.250	0.000			
387		384	165.896	196.250	0.000			
388		385	167.448	196.250	0.000			
389		386	169.000	196.250	0.000			
390		387	170.550	196.250	0.000			
391		388	172.500	196.250	0.000			
392		389	174.250	196.250	0.000			
393		390	176.000	196.250	0.000			
394		391	177.750	196.250	0.000			
395		392	179.500	196.250	0.000			
396		393	181.250	196.250	0.000			
397		394	183.000	196.250	0.000			
398		395	185.000	196.250	0.000			
399		396	187.000	196.250	0.000			
400		397	189.000	196.250	0.000			
401		398	191.000	196.250	0.000			
402		399	193.000	196.250	0.000			
403		400	195.000	196.250	0.000			
404		401	197.000	196.250	0.000			
405		402	199.000	196.250	0.000			
406		403	201.170	196.250	0.000			
407		404	203.340	196.250	0.000			
408		405	205.510	196.250	0.000			
409		406	207.680	196.250	0.000			
410		407	210.850	196.250	0.000			
411		408	213.490	196.250	0.000			
412		409	156.777	200.125	0.000			
413		410	159.833	200.125	0.000			
414		411	162.889	200.125	0.000			
415		412	165.944	200.125	0.000			
416		413	169.000	200.125	0.000			
417		414	172.500	200.125	0.000			
418		415	176.000	200.125	0.000			
419		416	179.500	200.125	0.000			
420		417	183.000	200.125	0.000			
421		418	187.000	200.125	0.000			
422		419	191.000	200.125	0.000			
423		420	195.000	200.125	0.000			
424		421	199.000	200.125	0.000			
425		422	203.340	200.125	0.000			
426		423	207.680	200.125	0.000			
427		424	210.850	200.125	0.000			
428		425	156.970	204.000	0.000			
429		426	159.977	204.000	0.000			
430		427	162.985	204.000	0.000			
431		428	165.992	204.000	0.000			
432		429	169.000	204.000	0.000			
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ID	1	2	3	4	5	6	7	8
703	1338	199,000	192,375	0.000	0.000			
704	1370	199,000	194,312	0.000	0.000			
705	1402	199,000	196,250	0.000	0.000			
706	1431	199,000	200,125	0.000	0.000			
707	1457	199,000	204,000	0.000	0.000			
708	1482	199,000	208,000	0.000	0.000			
709	1467	199,000	210,000	0.000	0.000			
710	1482	201,320	212,500	0.000	0.000			
711	2577	166,422	238,294	0.000	0.000			
712	2578	169,000	238,294	0.000	0.000			
713	2504	183,000	218,750	0.000	0.000			
714	2651	180,000	218,750	0.000	0.000			
715	2437	199,000	204,000	0.000	0.000			
716	2654	196,000	204,000	0.000	0.000			
717	2654	196,000	204,000	0.000	0.000			
718	END	PLANE	PLANE	PLANE	PLANE	PLANE	PLANE	PLANE
719	1	30	1	2	3	4	5	6
720	2	30	2	3	4	5	6	7
721	3	30	3	4	5	6	7	8
722	4	30	4	5	6	7	8	9
723	5	30	5	6	7	8	9	10
724	6	30	6	7	8	9	10	11
725	7	30	7	8	9	10	11	12
726	8	30	8	9	10	11	12	13
727	9	30	9	10	11	12	13	14
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730	12	30	12	13	14	15	16	17
731	13	30	13	14	15	16	17	18
732	14	30	14	15	16	17	18	19
733	15	30	15	16	17	18	19	20
734	16	30	16	17	18	19	20	21
735	17	30	17	18	19	20	21	22
736	18	30	18	19	20	21	22	23
737	19	30	19	20	21	22	23	24
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739	21	30	21	22	23	24	25	26
740	22	30	22	23	24	25	26	27
741	23	30	23	24	25	26	27	28
742	24	30	24	25	26	27	28	29
743	25	30	25	26	27	28	29	30
744	26	30	26	27	28	29	30	31
745	27	30	27	28	29	30	31	32
746	28	30	28	29	30	31	32	33
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749	31	30	31	32	33	34	35	36
750	32	30	32	33	34	35	36	37
751	33	30	33	34	35	36	37	38
752	34	30	34	35	36	37	38	39
753	35	30	35	36	37	38	39	40
754	36	30	36	37	38	39	40	41
755	37	30	37	38	39	40	41	42
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758	40	30	40	41	42	43	44	45
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770	52	30	52	53	54	55	56	57
771	53	30	53	54	55	56	57	58
772	54	30	54	55	56	57	58	59
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775	57	30	57	58	59	60	61	62
776	58	30	58	59	60	61	62	63
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789	71	30	71	72	73	74	75	76
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816	98	30	98	99	100	101	102	103
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824	106	30	106	107	108	109	110	111
825	107	30	107	108	109	110	111	112
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829	111	30	111	112	113	114	115	116
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832	114	30	114	115	116	117	118	119
833	115	30	115	116	117	118	119	120
834	116	30	116	117	118	119	120	121
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838	120	30	120	121	122	123	124	125
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842	124	30	124	125	126	127	128	129
843	125	30	125	126	127	128	129	130
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846	128	30	128	129	130	131	132	133
847	129	30	129	130	131	132	133	134
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853	135	30	135	136	137	138	139	140
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855	137	30	137	138	139	140	141	142
856	138	30	138	139	140	141	142	143
857	139	30	139	140	141	142	143	144
858	140	30	140	141	142	143	144	145
859	141	30	141	142	143	144	145	146
860	142	30	142	143	144	145	146	147
861	143	30	143	144	145	146	147	148
862	144	30	144	145	146	147	148	149
863	145	30	145	146	147	148	149	150
864	146	30	146	147	148	149	150	151
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866	148	30	148	149	150	151	152	153
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868	150	30	150	151	152	153	154	155
869	151	30	151	152	153	154	155	156
870	152	30	152	153	154	155	156	157
871	153	30	153	154	155	156	157	158
872	154	30	154	155	156	157	158	159
873	155</							

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924	206	30	176	177	216	216	215	
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961	243	30	213	214	258	258	257	
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999	281	30	251	252	296	296	295	
1000	282	30	252	253	297	297	296	

