

# APPENDIX

Table: Joint Displacements

Table: Joint Displacements								
Joint	OutputCase	CaseType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians	R3 Radians
1	COMB1	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
1	COMB2	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
2	COMB1	Combination	0.000000	0.000000	0.000000	-0.022242	0.522864	-7.178E-07
2	COMB2	Combination	0.000000	0.000000	0.000000	-0.031843	0.748567	-1.028E-06
3	COMB1	Combination	5.729993	0.218657	-0.472557	-0.021965	0.567464	-0.000925
3	COMB2	Combination	8.203815	0.313045	-0.676573	-0.031447	0.812463	-0.001321
4	COMB1	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
4	COMB2	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
5	COMB1	Combination	0.000000	0.000000	0.000000	0.022242	0.522864	7.178E-07
5	COMB2	Combination	0.000000	0.000000	0.000000	0.031843	0.748567	1.028E-06
6	COMB1	Combination	5.729993	-0.218657	-0.472557	0.021965	0.567464	0.000925
6	COMB2	Combination	8.203815	-0.313045	-0.676573	0.031447	0.812463	0.001321
7	COMB1	Combination	-0.000088	-7.215E-06	-2.308966	-0.025287	0.939125	-1.342E-06
7	COMB2	Combination	-0.000126	-0.000010	-3.305650	-0.036204	1.344515	-1.922E-06
8	COMB1	Combination	5.877211	0.186314	-2.335249	-0.018493	0.707888	-0.006315
8	COMB2	Combination	8.414648	0.266755	-3.343285	-0.026477	1.013455	-0.009036
9	COMB1	Combination	-0.000088	7.215E-06	-2.308966	0.025287	0.939125	1.342E-06
9	COMB2	Combination	-0.000126	0.000010	-3.305650	0.036204	1.344515	1.922E-06
10	COMB1	Combination	5.877211	-0.186314	-2.335249	0.018493	0.707888	0.006315
10	COMB2	Combination	8.414648	-0.266755	-3.343285	0.026477	1.013455	0.009036
11	COMB1	Combination	-0.000177	-5.196E-06	-5.774313	-0.017473	1.263447	1.718E-06
11	COMB2	Combination	-0.000253	-7.438E-06	-8.266960	-0.025021	1.808899	2.460E-06
12	COMB1	Combination	5.580135	0.144177	-5.739170	-0.018247	1.099529	-0.008887
12	COMB2	Combination	7.989362	0.206443	-8.216648	-0.026126	1.574222	-0.012719
13	COMB1	Combination	-0.000177	5.196E-06	-5.774313	0.017473	1.263447	-1.718E-06
13	COMB2	Combination	-0.000253	7.438E-06	-8.266960	0.025021	1.808899	-2.460E-06
14	COMB1	Combination	5.580135	-0.144177	-5.739170	0.018247	1.099529	0.008887
14	COMB2	Combination	7.989362	-0.206443	-8.216648	0.026126	1.574222	0.012719
15	COMB1	Combination	-0.000262	-5.475E-06	-10.118009	-0.012815	1.502626	-1.555E-06
15	COMB2	Combination	-0.000376	-7.839E-06	-14.486040	-0.018354	2.151426	-2.226E-06
16	COMB1	Combination	5.060360	0.099387	-10.091650	-0.014572	1.272689	-0.009977
16	COMB2	Combination	7.245168	0.142328	-14.448306	-0.020867	1.822207	-0.014281
17	COMB1	Combination	-0.000262	5.475E-06	-10.118009	0.012815	1.502626	1.555E-06
17	COMB2	Combination	-0.000376	7.839E-06	-14.486040	0.018354	2.151426	2.226E-06
18	COMB1	Combination	5.060360	-0.099387	-10.091650	0.014572	1.272689	0.009977
18	COMB2	Combination	7.245168	-0.142328	-14.448306	0.020867	1.822207	0.014281
19	COMB1	Combination	-0.000344	-4.997E-06	-15.087495	-0.008046	1.665026	1.487E-06
19	COMB2	Combination	-0.000492	-7.154E-06	-21.601385	-0.011526	2.384043	2.129E-06
20	COMB1	Combination	4.440911	0.058552	-15.060152	-0.009989	1.383155	-0.009375
20	COMB2	Combination	6.358188	0.083866	-21.562243	-0.014307	1.980436	-0.013422
21	COMB1	Combination	-0.000344	4.997E-06	-15.087495	0.008046	1.665026	-1.487E-06
21	COMB2	Combination	-0.000492	7.154E-06	-21.601385	0.011526	2.384043	-2.129E-06
22	COMB1	Combination	4.440911	-0.058552	-15.060152	0.009989	1.383155	0.009375
22	COMB2	Combination	6.358188	-0.083866	-21.562243	0.014307	1.980436	0.013422
23	COMB1	Combination	-0.000418	-4.498E-06	-20.454635	-0.003898	1.758223	-1.127E-06
23	COMB2	Combination	-0.000599	-6.440E-06	-29.286380	-0.005587	2.517569	-1.613E-06
24	COMB1	Combination	3.792674	0.025807	-20.427244	-0.005098	1.430062	-0.007807
24	COMB2	Combination	5.429918	0.036974	-29.247168	-0.007304	2.047650	-0.011181
25	COMB1	Combination	-0.000418	4.498E-06	-20.454635	0.003898	1.758223	1.127E-06
25	COMB2	Combination	-0.000599	6.440E-06	-29.286380	0.005587	2.517569	1.613E-06
26	COMB1	Combination	3.792674	-0.025807	-20.427244	0.005098	1.430062	0.007807
26	COMB2	Combination	5.429918	-0.036974	-29.247168	0.007304	2.047650	0.011181
27	COMB1	Combination	-0.000483	-3.783E-06	-26.014809	-0.000175	1.789595	1.187E-06
27	COMB2	Combination	-0.000692	-5.415E-06	-37.247992	-0.000252	2.562544	1.700E-06

Table: Joint Displacements

Joint	OutputCase	CaseType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians	R3 Radians
28	COMB1	Combination	3.168392	0.002331	-25.987948	-0.000664	1.423104	-0.005969
28	COMB2	Combination	4.535897	0.003346	-37.209536	-0.000952	2.037706	-0.008553
29	COMB1	Combination	-0.000483	3.783E-06	-26.014809	0.000175	1.789595	-1.187E-06
29	COMB2	Combination	-0.000692	5.415E-06	-37.247992	0.000252	2.562544	-1.700E-06
30	COMB1	Combination	3.168392	-0.002331	-25.987948	0.000664	1.423104	0.005969
30	COMB2	Combination	4.535897	-0.003346	-37.209536	0.000952	2.037706	0.008553
31	COMB1	Combination	-0.000535	-2.832E-06	-31.585711	0.003114	1.766068	-7.223E-07
31	COMB2	Combination	-0.000766	-4.054E-06	-45.225054	0.004461	2.528855	-1.034E-06
32	COMB1	Combination	2.601629	-0.012908	-31.559976	0.003047	1.372562	-0.004360
32	COMB2	Combination	3.724210	-0.018495	-45.188207	0.004365	1.965307	-0.006251
33	COMB1	Combination	-0.000535	2.832E-06	-31.585711	-0.003114	1.766068	7.223E-07
33	COMB2	Combination	-0.000766	4.054E-06	-45.225054	-0.004461	2.528855	1.034E-06
34	COMB1	Combination	2.601629	0.012908	-31.559976	-0.003047	1.372562	0.004360
34	COMB2	Combination	3.724210	0.018495	-45.188207	-0.004365	1.965307	0.006251
35	COMB1	Combination	-0.000571	-1.654E-06	-37.005960	0.006009	1.694106	9.720E-07
35	COMB2	Combination	-0.000817	-2.367E-06	-52.986278	0.008612	2.425733	1.392E-06
36	COMB1	Combination	2.109312	-0.021951	-36.982026	0.006067	1.288576	-0.003167
36	COMB2	Combination	3.019133	-0.031464	-52.952005	0.008697	1.844959	-0.004543
37	COMB1	Combination	-0.000571	1.654E-06	-37.005960	-0.006009	1.694106	-9.720E-07
37	COMB2	Combination	-0.000817	2.367E-06	-52.986278	-0.008612	2.425733	-1.392E-06
38	COMB1	Combination	2.109312	0.021951	-36.982026	-0.006067	1.288576	0.003167
38	COMB2	Combination	3.019133	0.031464	-52.952005	-0.008697	1.844959	0.004543
39	COMB1	Combination	-0.000586	-2.136E-07	-42.133559	0.008535	1.579661	-3.786E-07
39	COMB2	Combination	-0.000838	-3.036E-07	-60.328041	0.012240	2.261669	-5.419E-07
40	COMB1	Combination	1.694584	-0.026816	-42.112159	0.008589	1.180567	-0.002349
40	COMB2	Combination	2.425203	-0.038447	-60.297393	0.012313	1.690141	-0.003369
41	COMB1	Combination	-0.000586	2.136E-07	-42.133559	-0.008535	1.579661	3.786E-07
41	COMB2	Combination	-0.000838	3.036E-07	-60.328041	-0.012240	2.261669	5.419E-07
42	COMB1	Combination	1.694584	0.026816	-42.112159	-0.008589	1.180567	0.002349
42	COMB2	Combination	2.425203	0.038447	-60.297393	-0.012313	1.690141	0.003369
43	COMB1	Combination	-0.000576	1.424E-06	-46.844271	0.010758	1.428162	8.056E-07
43	COMB2	Combination	-0.000825	2.042E-06	-67.072064	0.015422	2.044411	1.153E-06
44	COMB1	Combination	1.350175	-0.029023	-46.826120	0.010769	1.055969	-0.001776
44	COMB2	Combination	1.932048	-0.041607	-67.046064	0.015439	1.511512	-0.002542
45	COMB1	Combination	-0.000576	-1.424E-06	-46.844271	-0.010758	1.428162	-8.056E-07
45	COMB2	Combination	-0.000825	-2.042E-06	-67.072064	-0.015422	2.044411	-1.153E-06
46	COMB1	Combination	1.350175	0.029023	-46.826120	-0.010769	1.055969	0.001776
46	COMB2	Combination	1.932048	0.041607	-67.046064	-0.015439	1.511512	0.002542
47	COMB1	Combination	-0.000540	3.211E-06	-51.029614	0.012689	1.244152	-1.209E-07
47	COMB2	Combination	-0.000773	4.600E-06	-73.062734	0.018185	1.780622	-1.732E-07
48	COMB1	Combination	1.062386	-0.029570	-51.015240	0.012690	0.918679	-0.001341
48	COMB2	Combination	1.520076	-0.042373	-73.042150	0.018184	1.314748	-0.001914
49	COMB1	Combination	-0.000540	-3.211E-06	-51.029614	-0.012689	1.244152	1.209E-07
49	COMB2	Combination	-0.000773	-4.600E-06	-73.062734	-0.018185	1.780622	1.732E-07
50	COMB1	Combination	1.062386	0.029570	-51.015240	-0.012690	0.918679	0.001341
50	COMB2	Combination	1.520076	0.042373	-73.042150	-0.018184	1.314748	0.001914
51	COMB1	Combination	-0.000476	4.991E-06	-54.594358	0.014351	1.031893	6.125E-07
51	COMB2	Combination	-0.000681	7.147E-06	-78.164109	0.020551	1.476567	8.767E-07
52	COMB1	Combination	0.815400	-0.029138	-54.583970	0.014344	0.768507	-0.000985
52	COMB2	Combination	1.166597	-0.041730	-78.149238	0.020543	1.099649	-0.001404
53	COMB1	Combination	-0.000476	-4.991E-06	-54.594358	-0.014351	1.031893	-6.125E-07
53	COMB2	Combination	-0.000681	-7.147E-06	-78.164109	-0.020551	1.476567	-8.767E-07
54	COMB1	Combination	0.815400	0.029138	-54.583970	-0.014344	0.768507	0.000985
54	COMB2	Combination	1.166597	0.041730	-78.149238	-0.020543	1.099649	0.001404
55	COMB1	Combination	-0.000385	6.623E-06	-57.457427	0.015700	0.796084	6.811E-09
55	COMB2	Combination	-0.000551	9.482E-06	-82.260621	0.022475	1.138943	9.574E-09
56	COMB1	Combination	0.594804	-0.028235	-57.450746	0.015699	0.602344	-0.000687
56	COMB2	Combination	0.850934	-0.040419	-82.251059	0.022473	0.861760	-0.000979
57	COMB1	Combination	-0.000385	-6.623E-06	-57.457427	-0.015700	0.796084	-6.811E-09

Table: Joint Displacements

Joint	OutputCase	CaseType	U1	U2	U3	R1	R2	R3
			m	m	m	Radians	Radians	Radians
57	COMB2	Combination	-0.000551	-9.482E-06	-82.260621	-0.022475	1.138943	-9.574E-09
58	COMB1	Combination	0.594804	0.028235	-57.450746	-0.015699	0.602344	0.000687
58	COMB2	Combination	0.850934	0.040419	-82.251059	-0.022473	0.861760	0.000979
59	COMB1	Combination	-0.000271	7.914E-06	-59.552898	0.016714	0.541751	3.355E-07
59	COMB2	Combination	-0.000388	0.000011	-85.258314	0.023919	0.774921	4.800E-07
60	COMB1	Combination	0.389738	-0.027283	-59.549160	0.016713	0.417255	-0.000436
60	COMB2	Combination	0.557526	-0.039044	-85.252964	0.023917	0.596859	-0.000621
61	COMB1	Combination	-0.000271	-7.914E-06	-59.552898	-0.016714	0.541751	-3.355E-07
61	COMB2	Combination	-0.000388	-0.000011	-85.258314	-0.023919	0.774921	-4.800E-07
62	COMB1	Combination	0.389738	0.027283	-59.549160	-0.016713	0.417255	0.000436
62	COMB2	Combination	0.557526	0.039044	-85.252964	-0.023917	0.596859	0.000621
63	COMB1	Combination	-0.000140	8.751E-06	-60.831450	0.017348	0.274495	1.588E-08
63	COMB2	Combination	-0.000200	0.000013	-87.086913	0.024822	0.392493	2.260E-08
64	COMB1	Combination	0.193065	-0.026590	-60.829565	0.017347	0.214301	-0.000213
64	COMB2	Combination	0.276152	-0.038045	-87.084215	0.024821	0.306453	-0.000303
65	COMB1	Combination	-0.000140	-8.751E-06	-60.831450	-0.017348	0.274495	-1.588E-08
65	COMB2	Combination	-0.000200	-0.000013	-87.086913	-0.024822	0.392493	-2.260E-08
66	COMB1	Combination	0.193065	0.026590	-60.829565	-0.017347	0.214301	0.000213
66	COMB2	Combination	0.276152	0.038045	-87.084215	-0.024821	0.306453	0.000303
67	COMB1	Combination	-3.015E-07	9.032E-06	-61.262265	0.017569	0.000528	4.974E-10
67	COMB2	Combination	-3.015E-07	0.000013	-87.702557	0.025134	0.000528	4.974E-10
68	COMB1	Combination	0.000072	-0.026345	-61.261008	0.017568	0.000327	-3.212E-06
68	COMB2	Combination	0.000072	-0.037689	-87.700757	0.025133	0.000327	-3.212E-06
69	COMB1	Combination	-3.015E-07	-9.032E-06	-61.262265	-0.017569	0.000528	-4.974E-10
69	COMB2	Combination	-3.015E-07	-0.000013	-87.702557	-0.025134	0.000528	-4.974E-10
70	COMB1	Combination	0.000072	0.026345	-61.261008	-0.017568	0.000327	3.212E-06
70	COMB2	Combination	0.000072	0.037689	-87.700757	-0.025133	0.000327	3.212E-06
71	COMB1	Combination	0.000139	8.754E-06	-60.834643	0.017362	-0.273543	-1.569E-08
71	COMB2	Combination	0.000200	0.000013	-87.090106	0.024835	-0.391542	-2.241E-08
72	COMB1	Combination	-0.192994	-0.026610	-60.832760	0.017361	-0.213733	0.000206
72	COMB2	Combination	-0.276082	-0.038065	-87.087410	0.024834	-0.305885	0.000296
73	COMB1	Combination	0.000139	-8.754E-06	-60.834643	-0.017362	-0.273543	1.569E-08
73	COMB2	Combination	0.000200	-0.000013	-87.090106	-0.024835	-0.391542	2.241E-08
74	COMB1	Combination	-0.192994	0.026610	-60.832760	-0.017361	-0.213733	-0.000206
74	COMB2	Combination	-0.276082	0.038065	-87.087410	-0.024834	-0.305885	-0.000296
75	COMB1	Combination	0.000270	7.920E-06	-59.558632	0.016740	-0.541112	-3.347E-07
75	COMB2	Combination	0.000387	0.000011	-85.264048	0.023946	-0.774283	-4.792E-07
76	COMB1	Combination	-0.389891	-0.027326	-59.554896	0.016739	-0.416934	0.000429
76	COMB2	Combination	-0.557678	-0.039087	-85.258700	0.023944	-0.596538	0.000614
77	COMB1	Combination	0.000270	-7.920E-06	-59.558632	-0.016740	-0.541112	3.347E-07
77	COMB2	Combination	0.000387	-0.000011	-85.264048	-0.023946	-0.774283	4.792E-07
78	COMB1	Combination	-0.389891	0.027326	-59.554896	-0.016739	-0.416934	-0.000429
78	COMB2	Combination	-0.557678	0.039087	-85.258700	-0.023944	-0.596538	-0.000614
79	COMB1	Combination	0.000385	6.632E-06	-57.464397	0.015741	-0.795967	-7.004E-09
79	COMB2	Combination	0.000551	9.491E-06	-82.267591	0.022515	-1.138827	-9.766E-09
80	COMB1	Combination	-0.595344	-0.028308	-57.457715	0.015739	-0.602420	0.000679
80	COMB2	Combination	-0.851474	-0.040492	-82.258028	0.022513	-0.861836	0.000971
81	COMB1	Combination	0.000385	-6.632E-06	-57.464397	-0.015741	-0.795967	7.004E-09
81	COMB2	Combination	0.000551	-9.491E-06	-82.267591	-0.022515	-1.138827	9.766E-09
82	COMB1	Combination	-0.595344	0.028308	-57.457715	-0.015739	-0.602420	-0.000679
82	COMB2	Combination	-0.851474	0.040492	-82.258028	-0.022513	-0.861836	-0.000971
83	COMB1	Combination	0.000476	5.000E-06	-54.600599	0.014404	-1.032512	-6.121E-07
83	COMB2	Combination	0.000681	7.157E-06	-78.170350	0.020604	-1.477186	-8.763E-07
84	COMB1	Combination	-0.816523	-0.029252	-54.590202	0.014401	-0.769120	0.000974
84	COMB2	Combination	-1.167720	-0.041843	-78.155470	0.020600	-1.100262	0.001393
85	COMB1	Combination	0.000476	-5.000E-06	-54.600599	-0.014404	-1.032512	6.121E-07
85	COMB2	Combination	0.000681	-7.157E-06	-78.170350	-0.020604	-1.477186	8.763E-07
86	COMB1	Combination	-0.816523	0.029252	-54.590202	-0.014401	-0.769120	-0.000974
86	COMB2	Combination	-1.167720	0.041843	-78.155470	-0.020600	-1.100262	-0.001393

Table: Joint Displacements

Joint	OutputCase	CaseType	U1	U2	U3	R1	R2	R3
			m	m	m	Radians	Radians	Radians
87	COMB1	Combination	0.000540	3.220E-06	-51.032485	0.012761	-1.245726	1.202E-07
87	COMB2	Combination	0.000773	4.608E-06	-73.065606	0.018257	-1.782197	1.724E-07
88	COMB1	Combination	-1.064348	-0.029732	-51.018086	0.012759	-0.919982	0.001336
88	COMB2	Combination	-1.522039	-0.042535	-73.044997	0.018253	-1.316051	0.001909
89	COMB1	Combination	0.000540	-3.220E-06	-51.032485	-0.012761	-1.245726	-1.202E-07
89	COMB2	Combination	0.000773	-4.608E-06	-73.065606	-0.018257	-1.782197	-1.724E-07
90	COMB1	Combination	-1.064348	0.029732	-51.018086	-0.012759	-0.919982	-0.001336
90	COMB2	Combination	-1.522039	0.042535	-73.044997	-0.018253	-1.316051	-0.001909
91	COMB1	Combination	0.000576	1.430E-06	-46.840433	0.010824	-1.430917	-8.055E-07
91	COMB2	Combination	0.000825	2.047E-06	-67.068226	0.015488	-2.047165	-1.153E-06
92	COMB1	Combination	-1.353338	-0.029200	-46.822238	0.010835	-1.058098	0.001789
92	COMB2	Combination	-1.935211	-0.041784	-67.042182	0.015504	-1.513640	0.002555
93	COMB1	Combination	0.000576	-1.430E-06	-46.840433	-0.010824	-1.430917	8.055E-07
93	COMB2	Combination	0.000825	-2.047E-06	-67.068226	-0.015488	-2.047165	1.153E-06
94	COMB1	Combination	-1.353338	0.029200	-46.822238	-0.010835	-1.058098	-0.001789
94	COMB2	Combination	-1.935211	0.041784	-67.042182	-0.015504	-1.513640	-0.002555
95	COMB1	Combination	0.000586	-2.111E-07	-42.119422	0.008581	-1.583390	3.775E-07
95	COMB2	Combination	0.000838	-3.011E-07	-60.313904	0.012285	-2.265398	5.407E-07
96	COMB1	Combination	-1.699406	-0.026943	-42.097990	0.008627	-1.183445	0.002384
96	COMB2	Combination	-2.430024	-0.038574	-60.283224	0.012351	-1.693019	0.003404
97	COMB1	Combination	0.000586	2.111E-07	-42.119422	-0.008581	-1.583390	-3.775E-07
97	COMB2	Combination	0.000838	3.011E-07	-60.313904	-0.012285	-2.265398	-5.407E-07
98	COMB1	Combination	-1.699406	0.026943	-42.097990	-0.008627	-1.183445	-0.002384
98	COMB2	Combination	-2.430024	0.038574	-60.283224	-0.012351	-1.693019	-0.003404
99	COMB1	Combination	0.000571	-1.655E-06	-36.979475	0.006009	-1.698170	-9.718E-07
99	COMB2	Combination	0.000817	-2.367E-06	-52.959792	0.008612	-2.429797	-1.391E-06
100	COMB1	Combination	-2.116140	-0.021946	-36.955530	0.006065	-1.291848	0.003222
100	COMB2	Combination	-3.025961	-0.031460	-52.925509	0.008695	-1.848231	0.004598
101	COMB1	Combination	0.000571	1.655E-06	-36.979475	-0.006009	-1.698170	9.718E-07
101	COMB2	Combination	0.000817	2.367E-06	-52.959792	-0.008612	-2.429797	1.391E-06
102	COMB1	Combination	-2.116140	0.021946	-36.955530	-0.006065	-1.291848	-0.003222
102	COMB2	Combination	-3.025961	0.031460	-52.925509	-0.008695	-1.848231	-0.004598
103	COMB1	Combination	0.000535	-2.835E-06	-31.546834	0.003073	-1.769825	7.213E-07
103	COMB2	Combination	0.000766	-4.057E-06	-45.186177	0.004421	-2.532612	1.033E-06
104	COMB1	Combination	-2.610579	-0.012700	-31.521116	0.002992	-1.375761	0.004425
104	COMB2	Combination	-3.733160	-0.018287	-45.149346	0.004311	-1.968506	0.006315
105	COMB1	Combination	0.000535	2.835E-06	-31.546834	-0.003073	-1.769825	-7.213E-07
105	COMB2	Combination	0.000766	4.057E-06	-45.186177	-0.004421	-2.532612	-1.033E-06
106	COMB1	Combination	-2.610579	0.012700	-31.521116	-0.002992	-1.375761	-0.004425
106	COMB2	Combination	-3.733160	0.018287	-45.149346	-0.004311	-1.968506	-0.006315
107	COMB1	Combination	0.000483	-3.786E-06	-25.965509	-0.000256	-1.792399	-1.186E-06
107	COMB2	Combination	0.000692	-5.419E-06	-37.198692	-0.000333	-2.565347	-1.699E-06
108	COMB1	Combination	-3.179239	0.002785	-25.938699	-0.000765	-1.425706	0.006027
108	COMB2	Combination	-4.546744	0.003800	-37.160287	-0.001053	-2.040308	0.008610
109	COMB1	Combination	0.000483	3.786E-06	-25.965509	0.000256	-1.792399	1.186E-06
109	COMB2	Combination	0.000692	5.419E-06	-37.198692	0.000333	-2.565347	1.699E-06
110	COMB1	Combination	-3.179239	-0.002785	-25.938699	0.000765	-1.425706	-0.006027
110	COMB2	Combination	-4.546744	-0.003800	-37.160287	0.001053	-2.040308	-0.008610
111	COMB1	Combination	0.000418	-4.502E-06	-20.398919	-0.004026	-1.759414	1.126E-06
111	COMB2	Combination	0.000599	-6.443E-06	-29.230665	-0.005714	-2.518760	1.612E-06
112	COMB1	Combination	-3.804725	0.026470	-20.371622	-0.005214	-1.431480	0.007828
112	COMB2	Combination	-5.441969	0.037637	-29.191545	-0.007420	-2.049068	0.011202
113	COMB1	Combination	0.000418	4.502E-06	-20.398919	0.004026	-1.759414	-1.126E-06
113	COMB2	Combination	0.000599	6.443E-06	-29.230665	0.005714	-2.518760	-1.612E-06
114	COMB1	Combination	-3.804725	-0.026470	-20.371622	0.005214	-1.431480	-0.007828
114	COMB2	Combination	-5.441969	-0.037637	-29.191545	0.007420	-2.049068	-0.011202
115	COMB1	Combination	0.000344	-4.999E-06	-15.031446	-0.008199	-1.663937	-1.486E-06
115	COMB2	Combination	0.000492	-7.156E-06	-21.545337	-0.011680	-2.382953	-2.128E-06
116	COMB1	Combination	-4.452858	0.059263	-15.004249	-0.010081	-1.382792	0.009327

Table: Joint Displacements

Joint	OutputCase	CaseType	U1 m	U2 m	U3 m	R1 Radians	R2 Radians	R3 Radians
116	COMB2	Combination	-6.370135	0.084576	-21.506341	-0.014398	-1.980073	0.013375
117	COMB1	Combination	0.000344	4.999E-06	-15.031446	0.008199	-1.663937	1.486E-06
117	COMB2	Combination	0.000492	7.156E-06	-21.545337	0.011680	-2.382953	2.128E-06
118	COMB1	Combination	-4.452858	-0.059263	-15.004249	0.010081	-1.382792	-0.009327
118	COMB2	Combination	-6.370135	-0.084576	-21.506341	0.014398	-1.980073	-0.013375
119	COMB1	Combination	0.000262	-5.476E-06	-10.069356	-0.012960	-1.499017	1.554E-06
119	COMB2	Combination	0.000375	-7.839E-06	-14.437387	-0.018499	-2.147817	2.225E-06
120	COMB1	Combination	-5.070272	0.099870	-10.043149	-0.014600	-1.270258	0.009846
120	COMB2	Combination	-7.255080	0.142811	-14.399805	-0.020895	-1.819776	0.014150
121	COMB1	Combination	0.000262	5.476E-06	-10.069356	0.012960	-1.499017	-1.554E-06
121	COMB2	Combination	0.000375	7.839E-06	-14.437387	0.018499	-2.147817	-2.225E-06
122	COMB1	Combination	-5.070272	-0.099870	-10.043149	0.014600	-1.270258	-0.009846
122	COMB2	Combination	-7.255080	-0.142811	-14.399805	0.020895	-1.819776	-0.014150
123	COMB1	Combination	0.000176	-5.195E-06	-5.740172	-0.017552	-1.257951	-1.717E-06
123	COMB2	Combination	0.000253	-7.437E-06	-8.232819	-0.025100	-1.803404	-2.459E-06
124	COMB1	Combination	-5.585971	0.144132	-5.705102	-0.018198	-1.095433	0.008693
124	COMB2	Combination	-7.995198	0.206398	-8.182580	-0.026077	-1.570126	0.012524
125	COMB1	Combination	0.000176	5.195E-06	-5.740172	0.017552	-1.257951	1.717E-06
125	COMB2	Combination	0.000253	7.437E-06	-8.232819	0.025100	-1.803404	2.459E-06
126	COMB1	Combination	-5.585971	-0.144132	-5.705102	0.018198	-1.095433	-0.008693
126	COMB2	Combination	-7.995198	-0.206398	-8.182580	0.026077	-1.570126	-0.012524
127	COMB1	Combination	0.000088	-7.211E-06	-2.293088	-0.025222	-0.933268	1.342E-06
127	COMB2	Combination	0.000126	-0.000010	-3.289772	-0.036140	-1.338657	1.921E-06
128	COMB1	Combination	-5.877508	0.185552	-2.319770	-0.018398	-0.702735	0.006110
128	COMB2	Combination	-8.414945	0.265993	-3.327806	-0.026382	-1.008302	0.008830
129	COMB1	Combination	0.000088	7.211E-06	-2.293088	0.025222	-0.933268	-1.342E-06
129	COMB2	Combination	0.000126	0.000010	-3.289772	0.036140	-1.338657	-1.921E-06
130	COMB1	Combination	-5.877508	-0.185552	-2.319770	0.018398	-0.702735	-0.006110
130	COMB2	Combination	-8.414945	-0.265993	-3.327806	0.026382	-1.008302	-0.008830
131	COMB1	Combination	0.000000	0.000000	0.000000	-0.022076	-0.519031	7.173E-07
131	COMB2	Combination	0.000000	0.000000	0.000000	-0.031676	-0.744734	1.027E-06
132	COMB1	Combination	-5.725678	0.217228	-0.472088	-0.021827	-0.567802	0.000797
132	COMB2	Combination	-8.199500	0.311616	-0.676105	-0.031309	-0.812800	0.001193
133	COMB1	Combination	0.000000	0.000000	0.000000	0.022076	-0.519031	-7.173E-07
133	COMB2	Combination	0.000000	0.000000	0.000000	0.031676	-0.744734	-1.027E-06
134	COMB1	Combination	-5.725678	-0.217228	-0.472088	0.021827	-0.567802	-0.000797
134	COMB2	Combination	-8.199500	-0.311616	-0.676105	0.031309	-0.812800	-0.001193
135	COMB1	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
135	COMB2	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
136	COMB1	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
136	COMB2	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
137	COMB1	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
137	COMB2	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
138	COMB1	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
138	COMB2	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
139	COMB1	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
139	COMB2	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
140	COMB1	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
140	COMB2	Combination	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000