

TABLE: Joint Displacements									
Joint	OutputCase	CaseType	StepType	U1	U2	U3	R1	R2	R3
Text	Text	Text	Text	m	m	m	Radians	Radians	Radians
140	Tren A6	LinDirHis	Max	0	0	1.332E-11	0.00000438	0.000024	0
140	Tren A6	LinDirHis	Min	0	0	-0.000279	-0.000002504	-5.231E-13	0
229	Tren A6	LinDirHis	Max	0	0	2.035E-12	2.079E-08	2.076E-12	0
229	Tren A6	LinDirHis	Min	0	0	-0.000251	-0.000066	-0.000025	0
230	Tren A6	LinDirHis	Max	0	0	7.537E-12	2.977E-07	2.965E-07	0
230	Tren A6	LinDirHis	Min	0	0	-0.000261	-0.000032	-0.000012	0
231	Tren A6	LinDirHis	Max	0	0	6.395E-13	3.86E-13	0.000021	0
231	Tren A6	LinDirHis	Min	0	0	-0.000211	-0.000088	-0.000012	0
232	Tren A6	LinDirHis	Max	0	0	0.000002636	3.001E-13	0.000051	0
232	Tren A6	LinDirHis	Min	0	0	-0.000358	-0.000102	-0.000005179	0
233	Tren A6	LinDirHis	Max	0	0	0.000004669	7.173E-13	0.000022	0
233	Tren A6	LinDirHis	Min	0	0	-0.000475	-0.000134	-0.000011	0
234	Tren A6	LinDirHis	Max	0	0	0.000001392	3.387E-07	0.000051	0
234	Tren A6	LinDirHis	Min	0	0	-0.000532	-0.000176	-0.000013	0
235	Tren A6	LinDirHis	Max	0	0	9.857E-07	2.128E-07	0.000068	0
235	Tren A6	LinDirHis	Min	0	0	-0.000744	-0.000179	-0.000009352	0
236	Tren A6	LinDirHis	Max	0	0	0.000002627	8.401E-08	0.000053	0
236	Tren A6	LinDirHis	Min	0	0	-0.000914	-0.000204	-0.000014	0
237	Tren A6	LinDirHis	Max	0	0	0.00000142	3.281E-07	0.000073	0
237	Tren A6	LinDirHis	Min	0	0	-0.001064	-0.000228	-0.000017	0
238	Tren A6	LinDirHis	Max	0	0	9.521E-07	2.615E-07	0.000076	0
238	Tren A6	LinDirHis	Min	0	0	-0.001298	-0.000225	-0.000016	0
239	Tren A6	LinDirHis	Max	0	0	0.000002298	2.017E-07	0.000071	0
239	Tren A6	LinDirHis	Min	0	0	-0.00149	-0.000241	-0.000023	0
240	Tren A6	LinDirHis	Max	0	0	0.000002134	3.912E-07	0.000084	0
240	Tren A6	LinDirHis	Min	0	0	-0.001693	-0.00025	-0.000028	0
241	Tren A6	LinDirHis	Max	0	0	0.000002046	0.000000369	0.000083	0
241	Tren A6	LinDirHis	Min	0	0	-0.001931	-0.000244	-0.00003	0
242	Tren A6	LinDirHis	Max	0	0	0.00000318	3.253E-07	0.000085	0
242	Tren A6	LinDirHis	Min	0	0	-0.00214	-0.000247	-0.000034	0
244	Tren A6	LinDirHis	Max	0	0	0.0000041	4.254E-07	0.000091	0
244	Tren A6	LinDirHis	Min	0	0	-0.002586	-0.000233	-0.000041	0
245	Tren A6	LinDirHis	Max	0	0	0.000005155	3.968E-07	0.000089	0
245	Tren A6	LinDirHis	Min	0	0	-0.002786	-0.000227	-0.00005	0
246	Tren A6	LinDirHis	Max	0	0	0.000005551	4.497E-07	0.000092	0
246	Tren A6	LinDirHis	Min	0	0	-0.002986	-0.000214	-0.000053	0
247	Tren A6	LinDirHis	Max	0	0	0.000006321	4.218E-07	0.00009	0
247	Tren A6	LinDirHis	Min	0	0	-0.003181	-0.000197	-0.000061	0
248	Tren A6	LinDirHis	Max	0	0	0.000007394	3.814E-07	0.000089	0
248	Tren A6	LinDirHis	Min	0	0	-0.003368	-0.000183	-0.00007	0
249	Tren A6	LinDirHis	Max	0	0	0.000008167	0.000000409	0.000087	0
249	Tren A6	LinDirHis	Min	0	0	-0.003533	-0.000163	-0.000075	0
250	Tren A6	LinDirHis	Max	0	0	0.000009164	3.866E-07	0.000086	0
250	Tren A6	LinDirHis	Min	0	0	-0.003684	-0.000142	-0.000079	0
251	Tren A6	LinDirHis	Max	0	0	0.000011	4.058E-07	0.000084	0
251	Tren A6	LinDirHis	Min	0	0	-0.003817	-0.000121	-0.000083	0
252	Tren A6	LinDirHis	Max	0	0	0.000013	4.122E-07	0.000076	0

252	Tren A6	LinDirHis	Min	0	0	-0.003921	-0.000097	-0.000092	0
253	Tren A6	LinDirHis	Max	0	0	0.000014	3.532E-07	0.000073	0
253	Tren A6	LinDirHis	Min	0	0	-0.004	-0.000071	-0.000096	0
254	Tren A6	LinDirHis	Max	0	0	0.000015	3.002E-07	0.000068	0
254	Tren A6	LinDirHis	Min	0	0	-0.00406	-0.000048	-0.0001	0
255	Tren A6	LinDirHis	Max	0	0	0.000016	2.456E-07	0.000059	0
255	Tren A6	LinDirHis	Min	0	0	-0.004092	-0.000024	-0.000105	0
256	Tren A6	LinDirHis	Max	0	0	0.000016	0.000016	0.000054	0
256	Tren A6	LinDirHis	Min	0	0	-0.004097	-0.000009478	-0.000107	0
257	Tren A6	LinDirHis	Max	0	0	0.000016	0.000042	0.000048	0
257	Tren A6	LinDirHis	Min	0	0	-0.004075	-0.000005195	-0.000108	0
258	Tren A6	LinDirHis	Max	0	0	0.000016	0.000068	0.000041	0
258	Tren A6	LinDirHis	Min	0	0	-0.004029	-0.000003179	-0.00011	0
259	Tren A6	LinDirHis	Max	0	0	0.000017	0.000094	0.000031	0
259	Tren A6	LinDirHis	Min	0	0	-0.003947	-0.000001958	-0.000115	0
260	Tren A6	LinDirHis	Max	0	0	0.000017	0.000119	0.000023	0
260	Tren A6	LinDirHis	Min	0	0	-0.00383	-0.000001432	-0.000116	0
261	Tren A6	LinDirHis	Max	0	0	0.000016	0.000142	0.000016	0
261	Tren A6	LinDirHis	Min	0	0	-0.003688	-0.000001108	-0.000114	0
262	Tren A6	LinDirHis	Max	0	0	0.000015	0.000166	0.000005076	0
262	Tren A6	LinDirHis	Min	0	0	-0.003518	-0.000001102	-0.000114	0
263	Tren A6	LinDirHis	Max	0	0	0.000014	0.000186	0.000001797	0
263	Tren A6	LinDirHis	Min	0	0	-0.003324	-0.000001116	-0.000112	0
264	Tren A6	LinDirHis	Max	0	0	0.000013	0.000204	0.000001652	0
264	Tren A6	LinDirHis	Min	0	0	-0.003107	-0.000001075	-0.000109	0
265	Tren A6	LinDirHis	Max	0	0	0.000011	0.000222	0.000001535	0
265	Tren A6	LinDirHis	Min	0	0	-0.002871	-0.000001109	-0.000109	0
266	Tren A6	LinDirHis	Max	0	0	0.000009539	0.000232	0.000001358	0
266	Tren A6	LinDirHis	Min	0	0	-0.002625	-0.000001062	-0.000105	0
267	Tren A6	LinDirHis	Max	0	0	0.000008815	0.000238	0.000001116	0
267	Tren A6	LinDirHis	Min	0	0	-0.00236	-9.407E-07	-0.000109	0
268	Tren A6	LinDirHis	Max	0	0	0.000007694	0.00025	0.000001113	0
268	Tren A6	LinDirHis	Min	0	0	-0.002069	-0.000001007	-0.000106	0
269	Tren A6	LinDirHis	Max	0	0	0.00000651	0.000243	9.567E-07	0
269	Tren A6	LinDirHis	Min	0	0	-0.001805	-9.987E-07	-0.000095	0
270	Tren A6	LinDirHis	Max	0	0	0.00000594	0.000237	8.224E-07	0
270	Tren A6	LinDirHis	Min	0	0	-0.001527	-8.756E-07	-0.000099	0
271	Tren A6	LinDirHis	Max	0	0	0.000004597	0.000236	8.207E-07	0
271	Tren A6	LinDirHis	Min	0	0	-0.001231	-0.000000966	-0.000085	0
272	Tren A6	LinDirHis	Max	0	0	0.000004041	0.000207	5.855E-07	0
272	Tren A6	LinDirHis	Min	0	0	-0.001017	-8.653E-07	-0.000069	0
273	Tren A6	LinDirHis	Max	0	0	0.000004085	0.000187	5.901E-07	0
273	Tren A6	LinDirHis	Min	0	0	-0.000765	-0.000000758	-0.000076	0
274	Tren A6	LinDirHis	Max	0	0	0.000002263	0.000166	0.000000631	0
274	Tren A6	LinDirHis	Min	0	0	-0.000532	-8.759E-07	-0.000047	0
275	Tren A6	LinDirHis	Max	0	0	0.000002861	0.000107	2.822E-07	0
275	Tren A6	LinDirHis	Min	0	0	-0.000441	-6.802E-07	-0.000034	0
276	Tren A6	LinDirHis	Max	0	0	0.000002726	0.00007	7.378E-07	0
276	Tren A6	LinDirHis	Min	0	0	-0.00025	-5.087E-07	-0.000056	0
277	Tren A6	LinDirHis	Max	0	0	0.000004818	0.000026	0.000005397	0

277	Tren A6	LinDirHis	Min	0	0	-0.000081	-5.834E-07	-0.000005998	0
278	Tren A6	LinDirHis	Max	0	0	0.000001306	0.000034	5.042E-07	0
278	Tren A6	LinDirHis	Min	0	0	-0.000092	-5.804E-07	-0.000042	0
279	Tren A6	LinDirHis	Max	0	0	9.857E-12	0.000002718	0.000077	0
279	Tren A6	LinDirHis	Min	0	0	-0.000145	-2.044E-12	-0.000001306	0
280	Tren A6	LinDirHis	Max	0	0	6.641E-08	3.084E-13	0.000051	0
280	Tren A6	LinDirHis	Min	0	0	-0.000287	-0.000098	-0.000004647	0
283	Tren A6	LinDirHis	Max	0	0	0.000004879	4.045E-13	0.000038	0
283	Tren A6	LinDirHis	Min	0	0	-0.000448	-0.000117	-0.000001988	0
347	Tren A6	LinDirHis	Max	0	0	0.000003143	1.181E-07	0.000023	0
347	Tren A6	LinDirHis	Min	0	0	-0.000505	-0.000162	-0.000011	0
378	Tren A6	LinDirHis	Max	0	0	4.335E-07	3.185E-07	0.000072	0
378	Tren A6	LinDirHis	Min	0	0	-0.000641	-0.000181	-0.000007187	0
379	Tren A6	LinDirHis	Max	0	0	0.000001788	1.444E-07	0.000055	0
379	Tren A6	LinDirHis	Min	0	0	-0.00085	-0.000194	-0.00000883	0
380	Tren A6	LinDirHis	Max	0	0	0.000002243	1.594E-07	0.000056	0
380	Tren A6	LinDirHis	Min	0	0	-0.000993	-0.000224	-0.000017	0
381	Tren A6	LinDirHis	Max	0	0	9.556E-07	3.182E-07	0.000082	0
381	Tren A6	LinDirHis	Min	0	0	-0.001197	-0.000232	-0.000016	0
383	Tren A6	LinDirHis	Max	0	0	0.000001865	2.224E-07	0.000069	0
383	Tren A6	LinDirHis	Min	0	0	-0.001416	-0.000238	-0.000019	0
388	Tren A6	LinDirHis	Max	0	0	0.000002581	2.927E-07	0.000078	0
388	Tren A6	LinDirHis	Min	0	0	-0.001601	-0.000253	-0.000023	0
389	Tren A6	LinDirHis	Max	0	0	0.000002142	3.817E-07	0.000088	0
389	Tren A6	LinDirHis	Min	0	0	-0.001823	-0.000251	-0.000024	0
390	Tren A6	LinDirHis	Max	0	0	0.000002898	3.059E-07	0.000082	0
390	Tren A6	LinDirHis	Min	0	0	-0.002045	-0.00025	-0.000028	0
391	Tren A6	LinDirHis	Max	0	0	0.000003643	4.052E-07	0.000089	0
391	Tren A6	LinDirHis	Min	0	0	-0.002254	-0.000253	-0.000033	0
392	Tren A6	LinDirHis	Max	0	0	0.000003824	4.675E-07	0.00009	0
392	Tren A6	LinDirHis	Min	0	0	-0.002484	-0.000243	-0.000037	0
393	Tren A6	LinDirHis	Max	0	0	0.000004566	4.009E-07	0.000089	0
393	Tren A6	LinDirHis	Min	0	0	-0.002698	-0.000236	-0.000044	0
394	Tren A6	LinDirHis	Max	0	0	0.000005237	4.827E-07	0.000092	0
394	Tren A6	LinDirHis	Min	0	0	-0.002898	-0.000228	-0.000049	0
448	Tren A6	LinDirHis	Max	0	0	0.000005528	4.997E-07	0.000091	0
448	Tren A6	LinDirHis	Min	0	0	-0.003103	-0.00021	-0.000052	0
449	Tren A6	LinDirHis	Max	0	0	0.000006238	0.000000433	0.00009	0
449	Tren A6	LinDirHis	Min	0	0	-0.003295	-0.000196	-0.00006	0
450	Tren A6	LinDirHis	Max	0	0	0.000007499	4.474E-07	0.000087	0
450	Tren A6	LinDirHis	Min	0	0	-0.003464	-0.000176	-0.00007	0
451	Tren A6	LinDirHis	Max	0	0	0.000008884	4.468E-07	0.000085	0
451	Tren A6	LinDirHis	Min	0	0	-0.003618	-0.000154	-0.000074	0
452	Tren A6	LinDirHis	Max	0	0	0.000011	4.109E-07	0.000083	0
452	Tren A6	LinDirHis	Min	0	0	-0.003756	-0.000133	-0.000079	0
455	Tren A6	LinDirHis	Max	0	0	0.000012	4.098E-07	0.000076	0
455	Tren A6	LinDirHis	Min	0	0	-0.003879	-0.00011	-0.000087	0
516	Tren A6	LinDirHis	Max	0	0	0.000013	0.000000381	0.000073	0
516	Tren A6	LinDirHis	Min	0	0	-0.003974	-0.000084	-0.00009	0
517	Tren A6	LinDirHis	Max	0	0	0.000014	3.201E-07	0.00007	0

517	Tren A6	LinDirHis	Min	0	0	-0.004047	-0.00006	-0.000093	0
518	Tren A6	LinDirHis	Max	0	0	0.000015	2.721E-07	0.000064	0
518	Tren A6	LinDirHis	Min	0	0	-0.004099	-0.000036	-0.000097	0
519	Tren A6	LinDirHis	Max	0	0	0.000016	0.000004802	0.000056	0
519	Tren A6	LinDirHis	Min	0	0	-0.004113	-0.000015	-0.000103	0
527	Tren A6	LinDirHis	Max	0	0	0.000017	0.00003	0.000049	0
527	Tren A6	LinDirHis	Min	0	0	-0.0041	-0.000006359	-0.000106	0
528	Tren A6	LinDirHis	Max	0	0	0.000017	0.000055	0.000042	0
528	Tren A6	LinDirHis	Min	0	0	-0.004061	-0.000004223	-0.000108	0
529	Tren A6	LinDirHis	Max	0	0	0.000017	0.000082	0.000034	0
529	Tren A6	LinDirHis	Min	0	0	-0.003995	-0.000002529	-0.00011	0
531	Tren A6	LinDirHis	Max	0	0	0.000016	0.000108	0.000025	0
531	Tren A6	LinDirHis	Min	0	0	-0.003901	-0.000001769	-0.000111	0
532	Tren A6	LinDirHis	Max	0	0	0.000015	0.000132	0.000018	0
532	Tren A6	LinDirHis	Min	0	0	-0.003775	-0.000001322	-0.000109	0
533	Tren A6	LinDirHis	Max	0	0	0.000015	0.000157	0.000011	0
533	Tren A6	LinDirHis	Min	0	0	-0.003626	-0.000001229	-0.000109	0
539	Tren A6	LinDirHis	Max	0	0	0.000015	0.00018	0.000001692	0
539	Tren A6	LinDirHis	Min	0	0	-0.003439	-0.000001216	-0.00011	0
540	Tren A6	LinDirHis	Max	0	0	0.000014	0.000199	0.000001588	0
540	Tren A6	LinDirHis	Min	0	0	-0.003228	-0.000001094	-0.000108	0
541	Tren A6	LinDirHis	Max	0	0	0.000013	0.000219	0.000001549	0
541	Tren A6	LinDirHis	Min	0	0	-0.002999	-0.000001122	-0.000109	0
542	Tren A6	LinDirHis	Max	0	0	0.000011	0.000233	0.0000015	0
542	Tren A6	LinDirHis	Min	0	0	-0.002753	-0.000001136	-0.000109	0
543	Tren A6	LinDirHis	Max	0	0	0.000009317	0.000239	0.000001281	0
543	Tren A6	LinDirHis	Min	0	0	-0.002505	-9.665E-07	-0.000106	0
544	Tren A6	LinDirHis	Max	0	0	0.000008102	0.00025	0.000001122	0
544	Tren A6	LinDirHis	Min	0	0	-0.002225	-0.000000985	-0.000106	0
545	Tren A6	LinDirHis	Max	0	0	0.000006535	0.000253	0.000001009	0
545	Tren A6	LinDirHis	Min	0	0	-0.001949	-0.000001099	-0.000095	0
546	Tren A6	LinDirHis	Max	0	0	0.000006404	0.000243	7.901E-07	0
546	Tren A6	LinDirHis	Min	0	0	-0.001687	-9.763E-07	-0.000092	0
547	Tren A6	LinDirHis	Max	0	0	0.000005842	0.000242	8.564E-07	0
547	Tren A6	LinDirHis	Min	0	0	-0.001385	-9.832E-07	-0.000096	0
548	Tren A6	LinDirHis	Max	0	0	0.000004204	0.000227	7.611E-07	0
548	Tren A6	LinDirHis	Min	0	0	-0.001126	-0.000001045	-0.000069	0
549	Tren A6	LinDirHis	Max	0	0	0.000004189	0.000198	5.253E-07	0
549	Tren A6	LinDirHis	Min	0	0	-0.000907	-0.000000848	-0.000073	0
550	Tren A6	LinDirHis	Max	0	0	0.000003275	0.000183	7.275E-07	0
550	Tren A6	LinDirHis	Min	0	0	-0.000646	-7.866E-07	-0.000069	0
551	Tren A6	LinDirHis	Max	0	0	0.000001875	0.000142	4.351E-07	0
551	Tren A6	LinDirHis	Min	0	0	-0.0005	-7.986E-07	-0.000025	0
552	Tren A6	LinDirHis	Max	0	0	0.000003754	0.000087	0.000000386	0
552	Tren A6	LinDirHis	Min	0	0	-0.000376	-5.364E-07	-0.000056	0
553	Tren A6	LinDirHis	Max	0	0	0.000001292	0.000053	7.278E-07	0
553	Tren A6	LinDirHis	Min	0	0	-0.000179	-6.147E-07	-0.00004	0
556	Tren A6	LinDirHis	Max	0	0	1.042E-11	0.000004081	0.000085	0
556	Tren A6	LinDirHis	Min	0	0	-0.000165	-2.229E-12	-0.000001457	0
557	Tren A6	LinDirHis	Max	0	0	0.000003364	4.342E-07	0.000093	0

Apéndice I1				Flecha Dinámica Tren A6						V= 230 km/h
557	Tren A6	LinDirHis	Min	0	0	-0.002363	-0.000243	-0.000036	0	