

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	8.064E-12	0.000009999	0.000035	0
140	Tren A6	LinDirHis	Min	0	0	-0.000395	-0.000004939	-6.416E-13	0
229	Tren A6	LinDirHis	Max	0	0	3.378E-12	1.963E-08	1.113E-12	0
229	Tren A6	LinDirHis	Min	0	0	-0.00035	-0.00009	-0.000037	0
230	Tren A6	LinDirHis	Max	0	0	2.756E-12	3.447E-07	0.000002503	0
230	Tren A6	LinDirHis	Min	0	0	-0.000371	-0.000044	-0.00003	0
231	Tren A6	LinDirHis	Max	0	0	4.108E-13	9.586E-13	0.000038	0
231	Tren A6	LinDirHis	Min	0	0	-0.000284	-0.000119	-0.000032	0
232	Tren A6	LinDirHis	Max	0	0	0.000006966	1.358E-12	0.000075	0
232	Tren A6	LinDirHis	Min	0	0	-0.0005	-0.000136	-0.000014	0
233	Tren A6	LinDirHis	Max	0	0	0.000012	1.132E-12	0.000039	0
233	Tren A6	LinDirHis	Min	0	0	-0.000647	-0.000179	-0.000024	0
234	Tren A6	LinDirHis	Max	0	0	0.000003613	8.514E-07	0.000078	0
234	Tren A6	LinDirHis	Min	0	0	-0.000712	-0.000234	-0.000033	0
235	Tren A6	LinDirHis	Max	0	0	0.000002923	0.000000593	0.000096	0
235	Tren A6	LinDirHis	Min	0	0	-0.001012	-0.000238	-0.000025	0
236	Tren A6	LinDirHis	Max	0	0	0.000007287	2.332E-07	0.000081	0
236	Tren A6	LinDirHis	Min	0	0	-0.001218	-0.000271	-0.00004	0
237	Tren A6	LinDirHis	Max	0	0	0.000003961	8.778E-07	0.000114	0
237	Tren A6	LinDirHis	Min	0	0	-0.00142	-0.000302	-0.000046	0
238	Tren A6	LinDirHis	Max	0	0	0.000003031	7.322E-07	0.000119	0
238	Tren A6	LinDirHis	Min	0	0	-0.001743	-0.000297	-0.000046	0
239	Tren A6	LinDirHis	Max	0	0	0.000006563	5.129E-07	0.000116	0
239	Tren A6	LinDirHis	Min	0	0	-0.00198	-0.000319	-0.00006	0
240	Tren A6	LinDirHis	Max	0	0	0.000005836	9.954E-07	0.000139	0
240	Tren A6	LinDirHis	Min	0	0	-0.002245	-0.000329	-0.000067	0
241	Tren A6	LinDirHis	Max	0	0	0.000005691	9.114E-07	0.000141	0
241	Tren A6	LinDirHis	Min	0	0	-0.002559	-0.000321	-0.000071	0
242	Tren A6	LinDirHis	Max	0	0	0.000008607	8.052E-07	0.000147	0
242	Tren A6	LinDirHis	Min	0	0	-0.002826	-0.000327	-0.000085	0
244	Tren A6	LinDirHis	Max	0	0	0.000009909	0.000001044	0.000161	0
244	Tren A6	LinDirHis	Min	0	0	-0.003407	-0.000306	-0.000097	0
245	Tren A6	LinDirHis	Max	0	0	0.000012	0.000000984	0.000168	0
245	Tren A6	LinDirHis	Min	0	0	-0.003671	-0.000299	-0.000107	0
246	Tren A6	LinDirHis	Max	0	0	0.000013	0.00000117	0.000173	0
246	Tren A6	LinDirHis	Min	0	0	-0.003948	-0.000281	-0.000112	0
247	Tren A6	LinDirHis	Max	0	0	0.000015	0.000001074	0.000175	0
247	Tren A6	LinDirHis	Min	0	0	-0.004203	-0.00026	-0.000123	0
248	Tren A6	LinDirHis	Max	0	0	0.000018	9.746E-07	0.000183	0
248	Tren A6	LinDirHis	Min	0	0	-0.004441	-0.000242	-0.000134	0
249	Tren A6	LinDirHis	Max	0	0	0.00002	0.000001048	0.000184	0
249	Tren A6	LinDirHis	Min	0	0	-0.004664	-0.000215	-0.000141	0
250	Tren A6	LinDirHis	Max	0	0	0.000023	9.851E-07	0.000183	0
250	Tren A6	LinDirHis	Min	0	0	-0.004855	-0.000189	-0.000153	0
251	Tren A6	LinDirHis	Max	0	0	0.000028	9.629E-07	0.000183	0
251	Tren A6	LinDirHis	Min	0	0	-0.005018	-0.000163	-0.000165	0
252	Tren A6	LinDirHis	Max	0	0	0.00003	9.721E-07	0.00018	0

252	Tren A6	LinDirHis	Min	0	0	-0.005162	-0.000131	-0.000174	0
253	Tren A6	LinDirHis	Max	0	0	0.000033	8.275E-07	0.000177	0
253	Tren A6	LinDirHis	Min	0	0	-0.005273	-0.000101	-0.000183	0
254	Tren A6	LinDirHis	Max	0	0	0.000035	7.001E-07	0.000172	0
254	Tren A6	LinDirHis	Min	0	0	-0.005351	-0.000007	-0.000193	0
255	Tren A6	LinDirHis	Max	0	0	0.000037	0.000006128	0.000166	0
255	Tren A6	LinDirHis	Min	0	0	-0.00539	-0.000004	-0.0002	0
256	Tren A6	LinDirHis	Max	0	0	0.000038	0.000031	0.00016	0
256	Tren A6	LinDirHis	Min	0	0	-0.005398	-0.000019	-0.000206	0
257	Tren A6	LinDirHis	Max	0	0	0.000039	0.000006	0.000151	0
257	Tren A6	LinDirHis	Min	0	0	-0.00537	-0.000012	-0.000213	0
258	Tren A6	LinDirHis	Max	0	0	0.000039	0.000009	0.000142	0
258	Tren A6	LinDirHis	Min	0	0	-0.005301	-0.000007497	-0.000217	0
259	Tren A6	LinDirHis	Max	0	0	0.000004	0.000123	0.000132	0
259	Tren A6	LinDirHis	Min	0	0	-0.005192	-0.000004731	-0.00022	0
260	Tren A6	LinDirHis	Max	0	0	0.000039	0.000156	0.00012	0
260	Tren A6	LinDirHis	Min	0	0	-0.005048	-0.000003307	-0.000223	0
261	Tren A6	LinDirHis	Max	0	0	0.000038	0.000187	0.000107	0
261	Tren A6	LinDirHis	Min	0	0	-0.00486	-0.000002723	-0.000222	0
262	Tren A6	LinDirHis	Max	0	0	0.000036	0.000218	0.000094	0
262	Tren A6	LinDirHis	Min	0	0	-0.004634	-0.000002642	-0.000222	0
263	Tren A6	LinDirHis	Max	0	0	0.000034	0.000245	0.000078	0
263	Tren A6	LinDirHis	Min	0	0	-0.004381	-0.000002631	-0.000215	0
264	Tren A6	LinDirHis	Max	0	0	0.000031	0.000269	0.000063	0
264	Tren A6	LinDirHis	Min	0	0	-0.004096	-0.000002509	-0.000206	0
265	Tren A6	LinDirHis	Max	0	0	0.000028	0.000293	0.000053	0
265	Tren A6	LinDirHis	Min	0	0	-0.003785	-0.000002578	-0.000202	0
266	Tren A6	LinDirHis	Max	0	0	0.000023	0.000306	0.000042	0
266	Tren A6	LinDirHis	Min	0	0	-0.003472	-0.000002471	-0.000191	0
267	Tren A6	LinDirHis	Max	0	0	0.000021	0.000315	0.000026	0
267	Tren A6	LinDirHis	Min	0	0	-0.003125	-0.000002192	-0.000185	0
268	Tren A6	LinDirHis	Max	0	0	0.000018	0.00033	0.000019	0
268	Tren A6	LinDirHis	Min	0	0	-0.002743	-0.0000024	-0.000176	0
269	Tren A6	LinDirHis	Max	0	0	0.000015	0.000321	0.000009742	0
269	Tren A6	LinDirHis	Min	0	0	-0.002408	-0.000002383	-0.000155	0
270	Tren A6	LinDirHis	Max	0	0	0.000015	0.000314	0.000001934	0
270	Tren A6	LinDirHis	Min	0	0	-0.002033	-0.000002105	-0.000155	0
271	Tren A6	LinDirHis	Max	0	0	0.000012	0.000313	0.000002075	0
271	Tren A6	LinDirHis	Min	0	0	-0.001643	-0.000002403	-0.00014	0
272	Tren A6	LinDirHis	Max	0	0	0.000009449	0.000273	0.000001509	0
272	Tren A6	LinDirHis	Min	0	0	-0.00137	-0.00000219	-0.000111	0
273	Tren A6	LinDirHis	Max	0	0	0.000009988	0.000248	0.000001391	0
273	Tren A6	LinDirHis	Min	0	0	-0.001023	-0.000001803	-0.000118	0
274	Tren A6	LinDirHis	Max	0	0	0.000005422	0.000222	0.000001617	0
274	Tren A6	LinDirHis	Min	0	0	-0.000716	-0.000002094	-0.000081	0
275	Tren A6	LinDirHis	Max	0	0	0.000007691	0.000142	6.954E-07	0
275	Tren A6	LinDirHis	Min	0	0	-0.000606	-0.000001641	-0.000057	0
276	Tren A6	LinDirHis	Max	0	0	0.000006961	0.000094	0.000001853	0
276	Tren A6	LinDirHis	Min	0	0	-0.000338	-0.000001238	-0.00008	0
277	Tren A6	LinDirHis	Max	0	0	0.000012	0.000038	0.000001971	0

277	Tren A6	LinDirHis	Min	0	0	-0.000087	-0.000001443	-0.000015	0
278	Tren A6	LinDirHis	Max	0	0	0.000003399	0.000046	0.000001375	0
278	Tren A6	LinDirHis	Min	0	0	-0.000118	-0.000001497	-0.000066	0
279	Tren A6	LinDirHis	Max	0	0	9.041E-12	0.000004265	0.00011	0
279	Tren A6	LinDirHis	Min	0	0	-0.000201	-6.424E-07	-0.000001234	0
280	Tren A6	LinDirHis	Max	0	0	6.272E-08	2.794E-13	0.000073	0
280	Tren A6	LinDirHis	Min	0	0	-0.000397	-0.000131	-0.000012	0
283	Tren A6	LinDirHis	Max	0	0	0.000012	1.445E-13	0.000051	0
283	Tren A6	LinDirHis	Min	0	0	-0.000622	-0.000157	-0.000006699	0
347	Tren A6	LinDirHis	Max	0	0	0.000007816	3.575E-07	0.00004	0
347	Tren A6	LinDirHis	Min	0	0	-0.000682	-0.000217	-0.000026	0
378	Tren A6	LinDirHis	Max	0	0	0.000001077	8.472E-07	0.000101	0
378	Tren A6	LinDirHis	Min	0	0	-0.000876	-0.000241	-0.00002	0
379	Tren A6	LinDirHis	Max	0	0	0.000006289	3.639E-07	0.00008	0
379	Tren A6	LinDirHis	Min	0	0	-0.001151	-0.000257	-0.000024	0
380	Tren A6	LinDirHis	Max	0	0	0.000006039	5.257E-07	0.00009	0
380	Tren A6	LinDirHis	Min	0	0	-0.001319	-0.000298	-0.00004	0
381	Tren A6	LinDirHis	Max	0	0	0.00000253	9.371E-07	0.000124	0
381	Tren A6	LinDirHis	Min	0	0	-0.001602	-0.000306	-0.000038	0
383	Tren A6	LinDirHis	Max	0	0	0.000005218	5.713E-07	0.000109	0
383	Tren A6	LinDirHis	Min	0	0	-0.001888	-0.000314	-0.000048	0
388	Tren A6	LinDirHis	Max	0	0	0.000006624	7.988E-07	0.000125	0
388	Tren A6	LinDirHis	Min	0	0	-0.002115	-0.000334	-0.000061	0
389	Tren A6	LinDirHis	Max	0	0	0.000005212	0.000001083	0.00014	0
389	Tren A6	LinDirHis	Min	0	0	-0.002422	-0.00033	-0.000062	0
390	Tren A6	LinDirHis	Max	0	0	0.000007339	8.178E-07	0.000139	0
390	Tren A6	LinDirHis	Min	0	0	-0.002712	-0.00033	-0.000072	0
391	Tren A6	LinDirHis	Max	0	0	0.000009212	0.00000103	0.000153	0
391	Tren A6	LinDirHis	Min	0	0	-0.002983	-0.000333	-0.000083	0
392	Tren A6	LinDirHis	Max	0	0	0.000009254	0.000001182	0.000157	0
392	Tren A6	LinDirHis	Min	0	0	-0.003283	-0.000319	-0.000087	0
393	Tren A6	LinDirHis	Max	0	0	0.000011	9.886E-07	0.000162	0
393	Tren A6	LinDirHis	Min	0	0	-0.003554	-0.000311	-0.000096	0
394	Tren A6	LinDirHis	Max	0	0	0.000013	0.000001156	0.000169	0
394	Tren A6	LinDirHis	Min	0	0	-0.003823	-0.0003	-0.000104	0
448	Tren A6	LinDirHis	Max	0	0	0.000014	0.000001212	0.00017	0
448	Tren A6	LinDirHis	Min	0	0	-0.004093	-0.000278	-0.00011	0
449	Tren A6	LinDirHis	Max	0	0	0.000016	0.00000102	0.000175	0
449	Tren A6	LinDirHis	Min	0	0	-0.00434	-0.000259	-0.000123	0
450	Tren A6	LinDirHis	Max	0	0	0.000018	0.000001056	0.000179	0
450	Tren A6	LinDirHis	Min	0	0	-0.004572	-0.000233	-0.000131	0
451	Tren A6	LinDirHis	Max	0	0	0.000021	0.00000106	0.000179	0
451	Tren A6	LinDirHis	Min	0	0	-0.004777	-0.000204	-0.000141	0
452	Tren A6	LinDirHis	Max	0	0	0.000025	9.825E-07	0.000179	0
452	Tren A6	LinDirHis	Min	0	0	-0.004954	-0.000178	-0.000152	0
455	Tren A6	LinDirHis	Max	0	0	0.000029	0.000001003	0.000177	0
455	Tren A6	LinDirHis	Min	0	0	-0.005111	-0.000149	-0.000163	0
516	Tren A6	LinDirHis	Max	0	0	0.000032	9.283E-07	0.000174	0
516	Tren A6	LinDirHis	Min	0	0	-0.005237	-0.000117	-0.000172	0
517	Tren A6	LinDirHis	Max	0	0	0.000034	7.708E-07	0.000171	0

517	Tren A6	LinDirHis	Min	0	0	-0.005329	-0.000086	-0.000181	0
518	Tren A6	LinDirHis	Max	0	0	0.000036	6.589E-07	0.000164	0
518	Tren A6	LinDirHis	Min	0	0	-0.005391	-0.000055	-0.00019	0
519	Tren A6	LinDirHis	Max	0	0	0.000037	0.000018	0.000159	0
519	Tren A6	LinDirHis	Min	0	0	-0.005415	-0.000029	-0.000196	0
527	Tren A6	LinDirHis	Max	0	0	0.000039	0.000046	0.000151	0
527	Tren A6	LinDirHis	Min	0	0	-0.005403	-0.000015	-0.000203	0
528	Tren A6	LinDirHis	Max	0	0	0.000039	0.000076	0.000142	0
528	Tren A6	LinDirHis	Min	0	0	-0.005354	-0.000009908	-0.000209	0
529	Tren A6	LinDirHis	Max	0	0	0.000039	0.000107	0.000133	0
529	Tren A6	LinDirHis	Min	0	0	-0.005267	-0.00000618	-0.000211	0
531	Tren A6	LinDirHis	Max	0	0	0.000039	0.000142	0.000121	0
531	Tren A6	LinDirHis	Min	0	0	-0.005143	-0.000004154	-0.000215	0
532	Tren A6	LinDirHis	Max	0	0	0.000038	0.000174	0.000109	0
532	Tren A6	LinDirHis	Min	0	0	-0.004976	-0.000003133	-0.000217	0
533	Tren A6	LinDirHis	Max	0	0	0.000037	0.000206	0.000097	0
533	Tren A6	LinDirHis	Min	0	0	-0.004763	-0.000002826	-0.000216	0
539	Tren A6	LinDirHis	Max	0	0	0.000035	0.000236	0.000083	0
539	Tren A6	LinDirHis	Min	0	0	-0.004525	-0.000002856	-0.000212	0
540	Tren A6	LinDirHis	Max	0	0	0.000033	0.000262	0.000066	0
540	Tren A6	LinDirHis	Min	0	0	-0.004261	-0.000002675	-0.000203	0
541	Tren A6	LinDirHis	Max	0	0	0.00003	0.000288	0.000055	0
541	Tren A6	LinDirHis	Min	0	0	-0.003958	-0.000002696	-0.000199	0
542	Tren A6	LinDirHis	Max	0	0	0.000026	0.000307	0.000044	0
542	Tren A6	LinDirHis	Min	0	0	-0.003641	-0.000002742	-0.000193	0
543	Tren A6	LinDirHis	Max	0	0	0.000022	0.000315	0.00003	0
543	Tren A6	LinDirHis	Min	0	0	-0.003319	-0.000002406	-0.000181	0
544	Tren A6	LinDirHis	Max	0	0	0.00002	0.00033	0.000017	0
544	Tren A6	LinDirHis	Min	0	0	-0.002946	-0.000002379	-0.000179	0
545	Tren A6	LinDirHis	Max	0	0	0.000017	0.000334	0.000013	0
545	Tren A6	LinDirHis	Min	0	0	-0.002588	-0.000002611	-0.000161	0
546	Tren A6	LinDirHis	Max	0	0	0.000015	0.00032	0.000001977	0
546	Tren A6	LinDirHis	Min	0	0	-0.002246	-0.000002314	-0.000149	0
547	Tren A6	LinDirHis	Max	0	0	0.000014	0.000321	0.000001974	0
547	Tren A6	LinDirHis	Min	0	0	-0.001845	-0.000002291	-0.00015	0
548	Tren A6	LinDirHis	Max	0	0	0.000009987	0.000301	0.00000178	0
548	Tren A6	LinDirHis	Min	0	0	-0.001518	-0.000002511	-0.000112	0
549	Tren A6	LinDirHis	Max	0	0	0.00001	0.000262	0.000001264	0
549	Tren A6	LinDirHis	Min	0	0	-0.001226	-0.000002023	-0.000111	0
550	Tren A6	LinDirHis	Max	0	0	0.000008198	0.000244	0.000001718	0
550	Tren A6	LinDirHis	Min	0	0	-0.000863	-0.000002007	-0.000107	0
551	Tren A6	LinDirHis	Max	0	0	0.00000452	0.00019	0.000001068	0
551	Tren A6	LinDirHis	Min	0	0	-0.000683	-0.000002072	-0.000043	0
552	Tren A6	LinDirHis	Max	0	0	0.000009355	0.000116	9.075E-07	0
552	Tren A6	LinDirHis	Min	0	0	-0.000511	-0.000001398	-0.000077	0
553	Tren A6	LinDirHis	Max	0	0	0.000003616	0.00007	0.000001856	0
553	Tren A6	LinDirHis	Min	0	0	-0.000246	-0.000001482	-0.000057	0
556	Tren A6	LinDirHis	Max	0	0	8.648E-12	0.000007011	0.000122	0
556	Tren A6	LinDirHis	Min	0	0	-0.000232	-1.473E-12	-0.000001376	0
557	Tren A6	LinDirHis	Max	0	0	0.000009134	0.00000112	0.00016	0

Apéndice F				Flecha Dinámica Tren A1						V= 80 km/h
557	Tren A6	LinDirHis	Min	0	0	-0.00312	-0.00032	-0.00009	0	