

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 A2	LinDirHis	Max	0	0	2.322E-12	0.00001	0.00004	0
140	Tren A2	LinDirHis	Min	0	0	-0.000449	-0.000005964	-9.908E-14	0
229	Tren A2	LinDirHis	Max	0	0	1.645E-12	2.309E-08	6.548E-13	0
229	Tren A2	LinDirHis	Min	0	0	-0.000402	-0.000102	-0.000042	0
230	Tren A2	LinDirHis	Max	0	0	2.2E-12	4.055E-07	0.000002915	0
230	Tren A2	LinDirHis	Min	0	0	-0.000423	-0.00005	-0.000026	0
231	Tren A2	LinDirHis	Max	0	0	6.395E-13	2.126E-14	0.000043	0
231	Tren A2	LinDirHis	Min	0	0	-0.000323	-0.000135	-0.000038	0
232	Tren A2	LinDirHis	Max	0	0	0.000008196	2.299E-14	0.000084	0
232	Tren A2	LinDirHis	Min	0	0	-0.000566	-0.000155	-0.000017	0
233	Tren A2	LinDirHis	Max	0	0	0.000014	8.989E-14	0.000045	0
233	Tren A2	LinDirHis	Min	0	0	-0.000733	-0.000203	-0.000028	0
234	Tren A2	LinDirHis	Max	0	0	0.00000425	0.000001002	0.000091	0
234	Tren A2	LinDirHis	Min	0	0	-0.000809	-0.000266	-0.000039	0
235	Tren A2	LinDirHis	Max	0	0	0.000003439	6.976E-07	0.000111	0
235	Tren A2	LinDirHis	Min	0	0	-0.00115	-0.000271	-0.000029	0
236	Tren A2	LinDirHis	Max	0	0	0.000008573	2.743E-07	0.000093	0
236	Tren A2	LinDirHis	Min	0	0	-0.001385	-0.000309	-0.000047	0
237	Tren A2	LinDirHis	Max	0	0	0.00000466	0.000001033	0.000132	0
237	Tren A2	LinDirHis	Min	0	0	-0.001614	-0.000343	-0.000055	0
238	Tren A2	LinDirHis	Max	0	0	0.000003566	8.615E-07	0.000137	0
238	Tren A2	LinDirHis	Min	0	0	-0.001982	-0.000339	-0.000054	0
239	Tren A2	LinDirHis	Max	0	0	0.000007708	6.034E-07	0.000134	0
239	Tren A2	LinDirHis	Min	0	0	-0.002254	-0.000363	-0.000071	0
240	Tren A2	LinDirHis	Max	0	0	0.00000686	0.00000117	0.000161	0
240	Tren A2	LinDirHis	Min	0	0	-0.002555	-0.000374	-0.000079	0
241	Tren A2	LinDirHis	Max	0	0	0.000006697	0.000001072	0.000163	0
241	Tren A2	LinDirHis	Min	0	0	-0.002911	-0.000365	-0.000084	0
242	Tren A2	LinDirHis	Max	0	0	0.00001	9.486E-07	0.00017	0
242	Tren A2	LinDirHis	Min	0	0	-0.003218	-0.000372	-0.0001	0
244	Tren A2	LinDirHis	Max	0	0	0.000012	0.000001229	0.000185	0
244	Tren A2	LinDirHis	Min	0	0	-0.003879	-0.000349	-0.000114	0
245	Tren A2	LinDirHis	Max	0	0	0.000015	0.000001159	0.000194	0
245	Tren A2	LinDirHis	Min	0	0	-0.004181	-0.000341	-0.000126	0
246	Tren A2	LinDirHis	Max	0	0	0.000016	0.000001378	0.000199	0
246	Tren A2	LinDirHis	Min	0	0	-0.004495	-0.00032	-0.000132	0
247	Tren A2	LinDirHis	Max	0	0	0.000018	0.000001265	0.000201	0
247	Tren A2	LinDirHis	Min	0	0	-0.004786	-0.000296	-0.000145	0
248	Tren A2	LinDirHis	Max	0	0	0.000021	0.000001148	0.000211	0
248	Tren A2	LinDirHis	Min	0	0	-0.005058	-0.000275	-0.000158	0
249	Tren A2	LinDirHis	Max	0	0	0.000023	0.000001235	0.000212	0
249	Tren A2	LinDirHis	Min	0	0	-0.005312	-0.000245	-0.000166	0
250	Tren A2	LinDirHis	Max	0	0	0.000027	0.00000116	0.000211	0
250	Tren A2	LinDirHis	Min	0	0	-0.005529	-0.000215	-0.000174	0
251	Tren A2	LinDirHis	Max	0	0	0.000032	0.000001135	0.000211	0
251	Tren A2	LinDirHis	Min	0	0	-0.005718	-0.000185	-0.000181	0
252	Tren A2	LinDirHis	Max	0	0	0.000036	0.000001145	0.000208	0

252	Tren A2	LinDirHis	Min	0	0	-0.00588	-0.00015	-0.000191	0
253	Tren A2	LinDirHis	Max	0	0	0.000039	9.749E-07	0.000205	0
253	Tren A2	LinDirHis	Min	0	0	-0.006004	-0.000114	-0.0002	0
254	Tren A2	LinDirHis	Max	0	0	0.000042	8.249E-07	0.000199	0
254	Tren A2	LinDirHis	Min	0	0	-0.006091	-0.000079	-0.000211	0
255	Tren A2	LinDirHis	Max	0	0	0.000043	0.000007079	0.000192	0
255	Tren A2	LinDirHis	Min	0	0	-0.006142	-0.000045	-0.00022	0
256	Tren A2	LinDirHis	Max	0	0	0.000045	0.000036	0.000185	0
256	Tren A2	LinDirHis	Min	0	0	-0.006148	-0.000022	-0.000226	0
257	Tren A2	LinDirHis	Max	0	0	0.000046	0.000069	0.000174	0
257	Tren A2	LinDirHis	Min	0	0	-0.006115	-0.000015	-0.000234	0
258	Tren A2	LinDirHis	Max	0	0	0.000046	0.000104	0.000163	0
258	Tren A2	LinDirHis	Min	0	0	-0.006034	-0.000008833	-0.000239	0
259	Tren A2	LinDirHis	Max	0	0	0.000047	0.00014	0.000152	0
259	Tren A2	LinDirHis	Min	0	0	-0.005914	-0.000005578	-0.000243	0
260	Tren A2	LinDirHis	Max	0	0	0.000045	0.000177	0.000138	0
260	Tren A2	LinDirHis	Min	0	0	-0.005749	-0.0000039	-0.000246	0
261	Tren A2	LinDirHis	Max	0	0	0.000044	0.000213	0.000123	0
261	Tren A2	LinDirHis	Min	0	0	-0.005535	-0.00000321	-0.000246	0
262	Tren A2	LinDirHis	Max	0	0	0.000043	0.000249	0.000108	0
262	Tren A2	LinDirHis	Min	0	0	-0.005276	-0.000003115	-0.000246	0
263	Tren A2	LinDirHis	Max	0	0	0.00004	0.000278	0.000091	0
263	Tren A2	LinDirHis	Min	0	0	-0.004988	-0.000003102	-0.000239	0
264	Tren A2	LinDirHis	Max	0	0	0.000037	0.000306	0.000073	0
264	Tren A2	LinDirHis	Min	0	0	-0.004665	-0.000002958	-0.000229	0
265	Tren A2	LinDirHis	Max	0	0	0.000033	0.000334	0.000061	0
265	Tren A2	LinDirHis	Min	0	0	-0.00431	-0.00000304	-0.000224	0
266	Tren A2	LinDirHis	Max	0	0	0.000028	0.000348	0.000048	0
266	Tren A2	LinDirHis	Min	0	0	-0.003952	-0.000002914	-0.000213	0
267	Tren A2	LinDirHis	Max	0	0	0.000024	0.000359	0.000031	0
267	Tren A2	LinDirHis	Min	0	0	-0.003557	-0.000002585	-0.000206	0
268	Tren A2	LinDirHis	Max	0	0	0.000021	0.000376	0.000022	0
268	Tren A2	LinDirHis	Min	0	0	-0.003121	-0.00000283	-0.000196	0
269	Tren A2	LinDirHis	Max	0	0	0.000018	0.000365	0.000011	0
269	Tren A2	LinDirHis	Min	0	0	-0.002739	-0.00000281	-0.000173	0
270	Tren A2	LinDirHis	Max	0	0	0.000017	0.000358	0.00000228	0
270	Tren A2	LinDirHis	Min	0	0	-0.002311	-0.000002483	-0.000172	0
271	Tren A2	LinDirHis	Max	0	0	0.000014	0.000356	0.000002445	0
271	Tren A2	LinDirHis	Min	0	0	-0.001869	-0.000002833	-0.000152	0
272	Tren A2	LinDirHis	Max	0	0	0.000011	0.000311	0.000001778	0
272	Tren A2	LinDirHis	Min	0	0	-0.001557	-0.000002582	-0.000121	0
273	Tren A2	LinDirHis	Max	0	0	0.000012	0.000282	0.000001638	0
273	Tren A2	LinDirHis	Min	0	0	-0.001163	-0.000002126	-0.000133	0
274	Tren A2	LinDirHis	Max	0	0	0.000006392	0.000252	0.000001905	0
274	Tren A2	LinDirHis	Min	0	0	-0.000813	-0.000002468	-0.000086	0
275	Tren A2	LinDirHis	Max	0	0	0.00000905	0.000162	8.199E-07	0
275	Tren A2	LinDirHis	Min	0	0	-0.000686	-0.000001936	-0.000059	0
276	Tren A2	LinDirHis	Max	0	0	0.0000082	0.000107	0.000002181	0
276	Tren A2	LinDirHis	Min	0	0	-0.000383	-0.000001461	-0.000093	0
277	Tren A2	LinDirHis	Max	0	0	0.000014	0.000042	0.000005144	0

277	Tren A2	LinDirHis	Min	0	0	-0.000123	-0.000001702	-0.000017	0
278	Tren A2	LinDirHis	Max	0	0	0.000003997	0.000052	0.000001621	0
278	Tren A2	LinDirHis	Min	0	0	-0.000143	-0.000001766	-0.000073	0
279	Tren A2	LinDirHis	Max	0	0	1.753E-12	0.000004684	0.000122	0
279	Tren A2	LinDirHis	Min	0	0	-0.000233	-7.429E-07	-0.000001452	0
280	Tren A2	LinDirHis	Max	0	0	7.379E-08	2.967E-14	0.000083	0
280	Tren A2	LinDirHis	Min	0	0	-0.00045	-0.000149	-0.000014	0
283	Tren A2	LinDirHis	Max	0	0	0.000014	6.113E-14	0.000058	0
283	Tren A2	LinDirHis	Min	0	0	-0.000705	-0.000178	-0.000007881	0
347	Tren A2	LinDirHis	Max	0	0	0.000009195	4.206E-07	0.000046	0
347	Tren A2	LinDirHis	Min	0	0	-0.000776	-0.000246	-0.000031	0
378	Tren A2	LinDirHis	Max	0	0	0.000001268	9.968E-07	0.000116	0
378	Tren A2	LinDirHis	Min	0	0	-0.000996	-0.000274	-0.000023	0
379	Tren A2	LinDirHis	Max	0	0	0.000007399	4.281E-07	0.000092	0
379	Tren A2	LinDirHis	Min	0	0	-0.001308	-0.000293	-0.000028	0
380	Tren A2	LinDirHis	Max	0	0	0.000007104	6.185E-07	0.000104	0
380	Tren A2	LinDirHis	Min	0	0	-0.001499	-0.000339	-0.000048	0
381	Tren A2	LinDirHis	Max	0	0	0.000002977	0.000001103	0.000142	0
381	Tren A2	LinDirHis	Min	0	0	-0.001822	-0.000348	-0.000045	0
383	Tren A2	LinDirHis	Max	0	0	0.000006133	6.721E-07	0.000125	0
383	Tren A2	LinDirHis	Min	0	0	-0.002148	-0.000358	-0.000056	0
388	Tren A2	LinDirHis	Max	0	0	0.000007783	9.396E-07	0.000145	0
388	Tren A2	LinDirHis	Min	0	0	-0.002407	-0.000381	-0.000071	0
389	Tren A2	LinDirHis	Max	0	0	0.000006131	0.000001273	0.000162	0
389	Tren A2	LinDirHis	Min	0	0	-0.002757	-0.000376	-0.000073	0
390	Tren A2	LinDirHis	Max	0	0	0.000008634	9.627E-07	0.000161	0
390	Tren A2	LinDirHis	Min	0	0	-0.003087	-0.000375	-0.000085	0
391	Tren A2	LinDirHis	Max	0	0	0.000011	0.000001212	0.000177	0
391	Tren A2	LinDirHis	Min	0	0	-0.003396	-0.000379	-0.000097	0
392	Tren A2	LinDirHis	Max	0	0	0.000011	0.000001391	0.000181	0
392	Tren A2	LinDirHis	Min	0	0	-0.003738	-0.000363	-0.000103	0
393	Tren A2	LinDirHis	Max	0	0	0.000013	0.000001164	0.000186	0
393	Tren A2	LinDirHis	Min	0	0	-0.004047	-0.000354	-0.000113	0
394	Tren A2	LinDirHis	Max	0	0	0.000016	0.000001361	0.000194	0
394	Tren A2	LinDirHis	Min	0	0	-0.004354	-0.000342	-0.000123	0
448	Tren A2	LinDirHis	Max	0	0	0.000017	0.000001427	0.000196	0
448	Tren A2	LinDirHis	Min	0	0	-0.004662	-0.000316	-0.00013	0
449	Tren A2	LinDirHis	Max	0	0	0.000019	0.000001202	0.000202	0
449	Tren A2	LinDirHis	Min	0	0	-0.004942	-0.000295	-0.000145	0
450	Tren A2	LinDirHis	Max	0	0	0.000022	0.000001243	0.000206	0
450	Tren A2	LinDirHis	Min	0	0	-0.005205	-0.000265	-0.000155	0
451	Tren A2	LinDirHis	Max	0	0	0.000025	0.000001248	0.000206	0
451	Tren A2	LinDirHis	Min	0	0	-0.005442	-0.000232	-0.000162	0
452	Tren A2	LinDirHis	Max	0	0	0.00003	0.000001158	0.000207	0
452	Tren A2	LinDirHis	Min	0	0	-0.005643	-0.000203	-0.00017	0
455	Tren A2	LinDirHis	Max	0	0	0.000034	0.000001181	0.000204	0
455	Tren A2	LinDirHis	Min	0	0	-0.00582	-0.00017	-0.000177	0
516	Tren A2	LinDirHis	Max	0	0	0.000038	0.000001094	0.000201	0
516	Tren A2	LinDirHis	Min	0	0	-0.005962	-0.000133	-0.000188	0
517	Tren A2	LinDirHis	Max	0	0	0.000041	9.082E-07	0.000197	0

517	Tren A2	LinDirHis	Min	0	0	-0.006071	-0.000097	-0.000198	0
518	Tren A2	LinDirHis	Max	0	0	0.000042	7.761E-07	0.00019	0
518	Tren A2	LinDirHis	Min	0	0	-0.00614	-0.000061	-0.000208	0
519	Tren A2	LinDirHis	Max	0	0	0.000044	0.000021	0.000183	0
519	Tren A2	LinDirHis	Min	0	0	-0.006166	-0.000032	-0.000215	0
527	Tren A2	LinDirHis	Max	0	0	0.000046	0.000053	0.000175	0
527	Tren A2	LinDirHis	Min	0	0	-0.006154	-0.000018	-0.000224	0
528	Tren A2	LinDirHis	Max	0	0	0.000046	0.000087	0.000164	0
528	Tren A2	LinDirHis	Min	0	0	-0.006098	-0.000012	-0.00023	0
529	Tren A2	LinDirHis	Max	0	0	0.000046	0.000123	0.000153	0
529	Tren A2	LinDirHis	Min	0	0	-0.005998	-0.000007285	-0.000233	0
531	Tren A2	LinDirHis	Max	0	0	0.000046	0.000161	0.00014	0
531	Tren A2	LinDirHis	Min	0	0	-0.005855	-0.000004898	-0.000238	0
532	Tren A2	LinDirHis	Max	0	0	0.000045	0.000197	0.000125	0
532	Tren A2	LinDirHis	Min	0	0	-0.005665	-0.000003694	-0.000239	0
533	Tren A2	LinDirHis	Max	0	0	0.000044	0.000234	0.000113	0
533	Tren A2	LinDirHis	Min	0	0	-0.005426	-0.000003332	-0.000238	0
539	Tren A2	LinDirHis	Max	0	0	0.000042	0.000269	0.000095	0
539	Tren A2	LinDirHis	Min	0	0	-0.005153	-0.000003367	-0.000235	0
540	Tren A2	LinDirHis	Max	0	0	0.000039	0.000298	0.000076	0
540	Tren A2	LinDirHis	Min	0	0	-0.004851	-0.000003154	-0.000225	0
541	Tren A2	LinDirHis	Max	0	0	0.000036	0.000328	0.000063	0
541	Tren A2	LinDirHis	Min	0	0	-0.004505	-0.000003178	-0.000221	0
542	Tren A2	LinDirHis	Max	0	0	0.00003	0.00035	0.000051	0
542	Tren A2	LinDirHis	Min	0	0	-0.004144	-0.000003233	-0.000214	0
543	Tren A2	LinDirHis	Max	0	0	0.000026	0.000359	0.000034	0
543	Tren A2	LinDirHis	Min	0	0	-0.003777	-0.000002838	-0.000201	0
544	Tren A2	LinDirHis	Max	0	0	0.000023	0.000376	0.00002	0
544	Tren A2	LinDirHis	Min	0	0	-0.003356	-0.000002805	-0.000199	0
545	Tren A2	LinDirHis	Max	0	0	0.000019	0.00038	0.000015	0
545	Tren A2	LinDirHis	Min	0	0	-0.002944	-0.00000308	-0.000179	0
546	Tren A2	LinDirHis	Max	0	0	0.000018	0.000364	0.000002331	0
546	Tren A2	LinDirHis	Min	0	0	-0.002554	-0.000002729	-0.000164	0
547	Tren A2	LinDirHis	Max	0	0	0.000016	0.000365	0.000002328	0
547	Tren A2	LinDirHis	Min	0	0	-0.002099	-0.0000027	-0.000167	0
548	Tren A2	LinDirHis	Max	0	0	0.000012	0.000343	0.000002097	0
548	Tren A2	LinDirHis	Min	0	0	-0.001726	-0.000002961	-0.000122	0
549	Tren A2	LinDirHis	Max	0	0	0.000012	0.000299	0.00000149	0
549	Tren A2	LinDirHis	Min	0	0	-0.001392	-0.000002385	-0.000123	0
550	Tren A2	LinDirHis	Max	0	0	0.000009661	0.000277	0.000002023	0
550	Tren A2	LinDirHis	Min	0	0	-0.00098	-0.000002366	-0.000119	0
551	Tren A2	LinDirHis	Max	0	0	0.000005323	0.000215	0.000003853	0
551	Tren A2	LinDirHis	Min	0	0	-0.000774	-0.000002444	-0.000048	0
552	Tren A2	LinDirHis	Max	0	0	0.000011	0.000132	0.000001067	0
552	Tren A2	LinDirHis	Min	0	0	-0.000581	-0.000001649	-0.000087	0
553	Tren A2	LinDirHis	Max	0	0	0.000004262	0.00008	0.000002186	0
553	Tren A2	LinDirHis	Min	0	0	-0.000279	-0.000001747	-0.000063	0
556	Tren A2	LinDirHis	Max	0	0	1.849E-12	0.000007475	0.000135	0
556	Tren A2	LinDirHis	Min	0	0	-0.000266	-6.686E-13	-0.000001619	0
557	Tren A2	LinDirHis	Max	0	0	0.000011	0.000001318	0.000184	0

Apéndice L				Flecha Dinámica Tren A2						V= 80 km/h
557	Tren A2	LinDirHis	Min	0	0	-0.003551	-0.000364	-0.000106	0	