

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 A9	LinDirHist	Max	0	0	5.785E-12	0.000012	0.000039	0
140	Tren A9	LinDirHist	Min	0	0	-0.000441	-0.000005976	-3.046E-13	0
229	Tren A9	LinDirHist	Max	0	0	1.365E-12	2.513E-08	9.276E-13	0
229	Tren A9	LinDirHist	Min	0	0	-0.000386	-0.000099	-0.000048	0
230	Tren A9	LinDirHist	Max	0	0	3.012E-12	4.286E-07	0.000002684	0
230	Tren A9	LinDirHist	Min	0	0	-0.000412	-0.000048	-0.000037	0
231	Tren A9	LinDirHist	Max	0	0	1.07E-12	1.769E-13	0.000049	0
231	Tren A9	LinDirHist	Min	0	0	-0.000307	-0.000128	-0.000039	0
232	Tren A9	LinDirHist	Max	0	0	0.000008609	7.854E-13	0.000085	0
232	Tren A9	LinDirHist	Min	0	0	-0.000547	-0.000146	-0.000018	0
233	Tren A9	LinDirHist	Max	0	0	0.000014	5.185E-13	0.000046	0
233	Tren A9	LinDirHist	Min	0	0	-0.00071	-0.000192	-0.00003	0
234	Tren A9	LinDirHist	Max	0	0	0.000004464	0.000001052	0.000096	0
234	Tren A9	LinDirHist	Min	0	0	-0.000771	-0.000252	-0.000041	0
235	Tren A9	LinDirHist	Max	0	0	0.00000361	7.326E-07	0.000114	0
235	Tren A9	LinDirHist	Min	0	0	-0.001101	-0.000256	-0.000031	0
236	Tren A9	LinDirHist	Max	0	0	0.000009	2.881E-07	0.000097	0
236	Tren A9	LinDirHist	Min	0	0	-0.001324	-0.000291	-0.000049	0
237	Tren A9	LinDirHist	Max	0	0	0.000004892	0.000001085	0.000135	0
237	Tren A9	LinDirHist	Min	0	0	-0.001525	-0.000325	-0.000057	0
238	Tren A9	LinDirHist	Max	0	0	0.000003744	9.045E-07	0.000138	0
238	Tren A9	LinDirHist	Min	0	0	-0.001879	-0.000321	-0.000057	0
239	Tren A9	LinDirHist	Max	0	0	0.000008106	6.336E-07	0.000138	0
239	Tren A9	LinDirHist	Min	0	0	-0.002135	-0.000343	-0.000075	0
240	Tren A9	LinDirHist	Max	0	0	0.000007208	0.000001229	0.000163	0
240	Tren A9	LinDirHist	Min	0	0	-0.002408	-0.000355	-0.000082	0
241	Tren A9	LinDirHist	Max	0	0	0.000007028	0.000001126	0.000161	0
241	Tren A9	LinDirHist	Min	0	0	-0.002748	-0.000347	-0.000088	0
242	Tren A9	LinDirHist	Max	0	0	0.000011	9.948E-07	0.000169	0
242	Tren A9	LinDirHist	Min	0	0	-0.003048	-0.000353	-0.000104	0
244	Tren A9	LinDirHist	Max	0	0	0.000012	0.00000129	0.000183	0
244	Tren A9	LinDirHist	Min	0	0	-0.003674	-0.000332	-0.00012	0
245	Tren A9	LinDirHist	Max	0	0	0.000015	0.000001216	0.000191	0
245	Tren A9	LinDirHist	Min	0	0	-0.003962	-0.000324	-0.000132	0
246	Tren A9	LinDirHist	Max	0	0	0.000017	0.000001445	0.000197	0
246	Tren A9	LinDirHist	Min	0	0	-0.004247	-0.000304	-0.000139	0
247	Tren A9	LinDirHist	Max	0	0	0.000018	0.000001327	0.000199	0
247	Tren A9	LinDirHist	Min	0	0	-0.004524	-0.000281	-0.000152	0
248	Tren A9	LinDirHist	Max	0	0	0.000022	0.000001204	0.000209	0
248	Tren A9	LinDirHist	Min	0	0	-0.004781	-0.000261	-0.000168	0
249	Tren A9	LinDirHist	Max	0	0	0.000024	0.000001295	0.00021	0
249	Tren A9	LinDirHist	Min	0	0	-0.005023	-0.000231	-0.000182	0
250	Tren A9	LinDirHist	Max	0	0	0.000029	0.000001217	0.000209	0
250	Tren A9	LinDirHist	Min	0	0	-0.005237	-0.000203	-0.000198	0
251	Tren A9	LinDirHist	Max	0	0	0.000034	0.00000119	0.000209	0
251	Tren A9	LinDirHist	Min	0	0	-0.005419	-0.000176	-0.000211	0
252	Tren A9	LinDirHist	Max	0	0	0.000038	0.000001201	0.000206	0

252	Tren A9	LinDirHist	Min	0	0	-0.005571	-0.000144	-0.00022	0
253	Tren A9	LinDirHist	Max	0	0	0.000041	0.000001022	0.000203	0
253	Tren A9	LinDirHist	Min	0	0	-0.005692	-0.000112	-0.000233	0
254	Tren A9	LinDirHist	Max	0	0	0.000044	8.647E-07	0.000197	0
254	Tren A9	LinDirHist	Min	0	0	-0.005777	-0.000081	-0.000246	0
255	Tren A9	LinDirHist	Max	0	0	0.000045	0.000007049	0.00019	0
255	Tren A9	LinDirHist	Min	0	0	-0.005822	-0.000005	-0.000253	0
256	Tren A9	LinDirHist	Max	0	0	0.000047	0.000035	0.000183	0
256	Tren A9	LinDirHist	Min	0	0	-0.00583	-0.000023	-0.00026	0
257	Tren A9	LinDirHist	Max	0	0	0.000048	0.000068	0.000173	0
257	Tren A9	LinDirHist	Min	0	0	-0.005795	-0.000015	-0.00027	0
258	Tren A9	LinDirHist	Max	0	0	0.000049	0.000102	0.000162	0
258	Tren A9	LinDirHist	Min	0	0	-0.00572	-0.000009268	-0.000274	0
259	Tren A9	LinDirHist	Max	0	0	0.000049	0.000137	0.000151	0
259	Tren A9	LinDirHist	Min	0	0	-0.005605	-0.000005844	-0.000276	0
260	Tren A9	LinDirHist	Max	0	0	0.000048	0.000172	0.000137	0
260	Tren A9	LinDirHist	Min	0	0	-0.005444	-0.000004085	-0.000279	0
261	Tren A9	LinDirHist	Max	0	0	0.000047	0.000204	0.000122	0
261	Tren A9	LinDirHist	Min	0	0	-0.005246	-0.000003364	-0.00028	0
262	Tren A9	LinDirHist	Max	0	0	0.000045	0.000237	0.000107	0
262	Tren A9	LinDirHist	Min	0	0	-0.005005	-0.000003265	-0.000278	0
263	Tren A9	LinDirHist	Max	0	0	0.000042	0.000264	0.000089	0
263	Tren A9	LinDirHist	Min	0	0	-0.004722	-0.000003251	-0.000269	0
264	Tren A9	LinDirHist	Max	0	0	0.000039	0.000289	0.000072	0
264	Tren A9	LinDirHist	Min	0	0	-0.004417	-0.000003101	-0.000259	0
265	Tren A9	LinDirHist	Max	0	0	0.000034	0.000315	0.000061	0
265	Tren A9	LinDirHist	Min	0	0	-0.004072	-0.000003185	-0.000255	0
266	Tren A9	LinDirHist	Max	0	0	0.000029	0.000328	0.000048	0
266	Tren A9	LinDirHist	Min	0	0	-0.003716	-0.000003053	-0.00024	0
267	Tren A9	LinDirHist	Max	0	0	0.000026	0.000339	0.00003	0
267	Tren A9	LinDirHist	Min	0	0	-0.003354	-0.000002708	-0.000232	0
268	Tren A9	LinDirHist	Max	0	0	0.000022	0.000354	0.000022	0
268	Tren A9	LinDirHist	Min	0	0	-0.002939	-0.000002964	-0.000223	0
269	Tren A9	LinDirHist	Max	0	0	0.000019	0.000344	0.000011	0
269	Tren A9	LinDirHist	Min	0	0	-0.002571	-0.000002943	-0.000196	0
270	Tren A9	LinDirHist	Max	0	0	0.000018	0.000336	0.000002389	0
270	Tren A9	LinDirHist	Min	0	0	-0.00218	-0.0000026	-0.00019	0
271	Tren A9	LinDirHist	Max	0	0	0.000015	0.000334	0.000002563	0
271	Tren A9	LinDirHist	Min	0	0	-0.001754	-0.000002969	-0.000169	0
272	Tren A9	LinDirHist	Max	0	0	0.000012	0.000293	0.000001864	0
272	Tren A9	LinDirHist	Min	0	0	-0.001477	-0.000002705	-0.000132	0
273	Tren A9	LinDirHist	Max	0	0	0.000012	0.000265	0.000001719	0
273	Tren A9	LinDirHist	Min	0	0	-0.001108	-0.000002226	-0.000142	0
274	Tren A9	LinDirHist	Max	0	0	0.000006696	0.000239	0.000001998	0
274	Tren A9	LinDirHist	Min	0	0	-0.000769	-0.000002586	-0.000098	0
275	Tren A9	LinDirHist	Max	0	0	0.000009506	0.000153	8.591E-07	0
275	Tren A9	LinDirHist	Min	0	0	-0.000667	-0.000002027	-0.000063	0
276	Tren A9	LinDirHist	Max	0	0	0.000008599	0.000102	0.00000229	0
276	Tren A9	LinDirHist	Min	0	0	-0.000375	-0.000001529	-0.000097	0
277	Tren A9	LinDirHist	Max	0	0	0.000015	0.000046	0.000004505	0

277	Tren A9	LinDirHist	Min	0	0	-0.000116	-0.000001782	-0.000015	0
278	Tren A9	LinDirHist	Max	0	0	0.0000042	0.000051	0.000001699	0
278	Tren A9	LinDirHist	Min	0	0	-0.000137	-0.000001849	-0.000077	0
279	Tren A9	LinDirHist	Max	0	0	6.016E-12	0.0000057	0.000124	0
279	Tren A9	LinDirHist	Min	0	0	-0.000232	-0.000000809	-0.00000155	0
280	Tren A9	LinDirHist	Max	0	0	7.803E-08	3.619E-13	0.000084	0
280	Tren A9	LinDirHist	Min	0	0	-0.000433	-0.000141	-0.000015	0
283	Tren A9	LinDirHist	Max	0	0	0.000015	8.851E-14	0.000058	0
283	Tren A9	LinDirHist	Min	0	0	-0.000688	-0.000168	-0.000008272	0
347	Tren A9	LinDirHist	Max	0	0	0.000009655	4.418E-07	0.000052	0
347	Tren A9	LinDirHist	Min	0	0	-0.000744	-0.000234	-0.000033	0
378	Tren A9	LinDirHist	Max	0	0	0.000001331	0.000001047	0.000121	0
378	Tren A9	LinDirHist	Min	0	0	-0.000944	-0.000259	-0.000024	0
379	Tren A9	LinDirHist	Max	0	0	0.000007767	4.496E-07	0.000093	0
379	Tren A9	LinDirHist	Min	0	0	-0.001255	-0.000275	-0.00003	0
380	Tren A9	LinDirHist	Max	0	0	0.000007461	6.493E-07	0.000109	0
380	Tren A9	LinDirHist	Min	0	0	-0.001425	-0.00032	-0.00005	0
381	Tren A9	LinDirHist	Max	0	0	0.000003125	0.000001158	0.000146	0
381	Tren A9	LinDirHist	Min	0	0	-0.001721	-0.00033	-0.000047	0
383	Tren A9	LinDirHist	Max	0	0	0.000006446	7.058E-07	0.000126	0
383	Tren A9	LinDirHist	Min	0	0	-0.002035	-0.000337	-0.000059	0
388	Tren A9	LinDirHist	Max	0	0	0.000008183	9.868E-07	0.000147	0
388	Tren A9	LinDirHist	Min	0	0	-0.002278	-0.00036	-0.000075	0
389	Tren A9	LinDirHist	Max	0	0	0.000006437	0.000001337	0.000162	0
389	Tren A9	LinDirHist	Min	0	0	-0.002598	-0.000356	-0.000077	0
390	Tren A9	LinDirHist	Max	0	0	0.000009066	0.00000101	0.00016	0
390	Tren A9	LinDirHist	Min	0	0	-0.002921	-0.000356	-0.000089	0
391	Tren A9	LinDirHist	Max	0	0	0.000011	0.000001272	0.000174	0
391	Tren A9	LinDirHist	Min	0	0	-0.003216	-0.00036	-0.000102	0
392	Tren A9	LinDirHist	Max	0	0	0.000011	0.000001461	0.000179	0
392	Tren A9	LinDirHist	Min	0	0	-0.003535	-0.000345	-0.000108	0
393	Tren A9	LinDirHist	Max	0	0	0.000014	0.000001221	0.000185	0
393	Tren A9	LinDirHist	Min	0	0	-0.003834	-0.000335	-0.000118	0
394	Tren A9	LinDirHist	Max	0	0	0.000016	0.000001428	0.000193	0
394	Tren A9	LinDirHist	Min	0	0	-0.004118	-0.000324	-0.000129	0
448	Tren A9	LinDirHist	Max	0	0	0.000017	0.000001498	0.000194	0
448	Tren A9	LinDirHist	Min	0	0	-0.004406	-0.0003	-0.000136	0
449	Tren A9	LinDirHist	Max	0	0	0.00002	0.000001261	0.0002	0
449	Tren A9	LinDirHist	Min	0	0	-0.004674	-0.000279	-0.000154	0
450	Tren A9	LinDirHist	Max	0	0	0.000023	0.000001304	0.000205	0
450	Tren A9	LinDirHist	Min	0	0	-0.004921	-0.00025	-0.00017	0
451	Tren A9	LinDirHist	Max	0	0	0.000026	0.000001309	0.000204	0
451	Tren A9	LinDirHist	Min	0	0	-0.005149	-0.000219	-0.00018	0
452	Tren A9	LinDirHist	Max	0	0	0.000031	0.000001214	0.000205	0
452	Tren A9	LinDirHist	Min	0	0	-0.005347	-0.000192	-0.000194	0
455	Tren A9	LinDirHist	Max	0	0	0.000036	0.000001239	0.000202	0
455	Tren A9	LinDirHist	Min	0	0	-0.005515	-0.000162	-0.000208	0
516	Tren A9	LinDirHist	Max	0	0	0.000039	0.000001147	0.000199	0
516	Tren A9	LinDirHist	Min	0	0	-0.005653	-0.000129	-0.000218	0
517	Tren A9	LinDirHist	Max	0	0	0.000043	9.522E-07	0.000195	0

517	Tren A9	LinDirHist	Min	0	0	-0.005756	-0.000097	-0.000229	0
518	Tren A9	LinDirHist	Max	0	0	0.000044	8.139E-07	0.000188	0
518	Tren A9	LinDirHist	Min	0	0	-0.005819	-0.000066	-0.00024	0
519	Tren A9	LinDirHist	Max	0	0	0.000046	0.000021	0.000182	0
519	Tren A9	LinDirHist	Min	0	0	-0.005847	-0.000036	-0.000248	0
527	Tren A9	LinDirHist	Max	0	0	0.000048	0.000052	0.000173	0
527	Tren A9	LinDirHist	Min	0	0	-0.005835	-0.000019	-0.000256	0
528	Tren A9	LinDirHist	Max	0	0	0.000048	0.000086	0.000162	0
528	Tren A9	LinDirHist	Min	0	0	-0.005778	-0.000012	-0.000262	0
529	Tren A9	LinDirHist	Max	0	0	0.000049	0.000121	0.000152	0
529	Tren A9	LinDirHist	Min	0	0	-0.005683	-0.000007637	-0.000266	0
531	Tren A9	LinDirHist	Max	0	0	0.000049	0.000157	0.000139	0
531	Tren A9	LinDirHist	Min	0	0	-0.005547	-0.000005133	-0.00027	0
532	Tren A9	LinDirHist	Max	0	0	0.000047	0.00019	0.000124	0
532	Tren A9	LinDirHist	Min	0	0	-0.005366	-0.00000387	-0.00027	0
533	Tren A9	LinDirHist	Max	0	0	0.000046	0.000224	0.000111	0
533	Tren A9	LinDirHist	Min	0	0	-0.005147	-0.000003491	-0.000269	0
539	Tren A9	LinDirHist	Max	0	0	0.000044	0.000256	0.000095	0
539	Tren A9	LinDirHist	Min	0	0	-0.004884	-0.000003529	-0.000267	0
540	Tren A9	LinDirHist	Max	0	0	0.000041	0.000283	0.000075	0
540	Tren A9	LinDirHist	Min	0	0	-0.00459	-0.000003305	-0.000254	0
541	Tren A9	LinDirHist	Max	0	0	0.000037	0.00031	0.000062	0
541	Tren A9	LinDirHist	Min	0	0	-0.004262	-0.000003331	-0.000249	0
542	Tren A9	LinDirHist	Max	0	0	0.000032	0.000331	0.000051	0
542	Tren A9	LinDirHist	Min	0	0	-0.00391	-0.000003388	-0.000242	0
543	Tren A9	LinDirHist	Max	0	0	0.000027	0.000339	0.000034	0
543	Tren A9	LinDirHist	Min	0	0	-0.003556	-0.000002972	-0.000228	0
544	Tren A9	LinDirHist	Max	0	0	0.000024	0.000354	0.00002	0
544	Tren A9	LinDirHist	Min	0	0	-0.003161	-0.000002939	-0.000224	0
545	Tren A9	LinDirHist	Max	0	0	0.00002	0.000358	0.000015	0
545	Tren A9	LinDirHist	Min	0	0	-0.002764	-0.000003226	-0.0002	0
546	Tren A9	LinDirHist	Max	0	0	0.000019	0.000343	0.000002442	0
546	Tren A9	LinDirHist	Min	0	0	-0.002401	-0.000002859	-0.000183	0
547	Tren A9	LinDirHist	Max	0	0	0.000017	0.000343	0.000002439	0
547	Tren A9	LinDirHist	Min	0	0	-0.001975	-0.000002831	-0.000182	0
548	Tren A9	LinDirHist	Max	0	0	0.000012	0.000323	0.0000022	0
548	Tren A9	LinDirHist	Min	0	0	-0.001625	-0.000003103	-0.000137	0
549	Tren A9	LinDirHist	Max	0	0	0.000013	0.000282	0.000001562	0
549	Tren A9	LinDirHist	Min	0	0	-0.001332	-0.000002499	-0.000129	0
550	Tren A9	LinDirHist	Max	0	0	0.00001	0.000261	0.000002123	0
550	Tren A9	LinDirHist	Min	0	0	-0.000934	-0.00000248	-0.000125	0
551	Tren A9	LinDirHist	Max	0	0	0.000005587	0.000204	0.000005624	0
551	Tren A9	LinDirHist	Min	0	0	-0.000737	-0.00000256	-0.000056	0
552	Tren A9	LinDirHist	Max	0	0	0.000012	0.000124	0.000001122	0
552	Tren A9	LinDirHist	Min	0	0	-0.000571	-0.000001726	-0.000087	0
553	Tren A9	LinDirHist	Max	0	0	0.000004465	0.000077	0.000002293	0
553	Tren A9	LinDirHist	Min	0	0	-0.000278	-0.00000183	-0.000064	0
556	Tren A9	LinDirHist	Max	0	0	5.862E-12	0.000008665	0.000137	0
556	Tren A9	LinDirHist	Min	0	0	-0.000264	-1.291E-12	-0.000001725	0
557	Tren A9	LinDirHist	Max	0	0	0.000011	0.000001384	0.000182	0

Apéndice B2				Flecha Dinámica Tren A9						V= 80 km/h
557	Tren A9	LinDirHist	Min	0	0	-0.003356	-0.000346	-0.000111	0	