

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 A10	LinDirHist	Max	0	0	1.641E-11	0.0000063	0.000027	0
140	Tren A10	LinDirHist	Min	0	0	-0.000304	-0.000001676	-5.449E-13	0
229	Tren A10	LinDirHist	Max	0	0	5.748E-12	2.513E-08	1.441E-12	0
229	Tren A10	LinDirHist	Min	0	0	-0.000268	-0.000072	-0.000022	0
230	Tren A10	LinDirHist	Max	0	0	5.574E-12	3.497E-07	3.559E-07	0
230	Tren A10	LinDirHist	Min	0	0	-0.000286	-0.000035	-0.000019	0
231	Tren A10	LinDirHist	Max	0	0	2.371E-13	1.127E-12	0.000022	0
231	Tren A10	LinDirHist	Min	0	0	-0.000229	-0.000095	-0.000014	0
232	Tren A10	LinDirHist	Max	0	0	0.000003079	2.23E-13	0.000054	0
232	Tren A10	LinDirHist	Min	0	0	-0.000383	-0.00011	-0.000006044	0
233	Tren A10	LinDirHist	Max	0	0	0.000005447	4.749E-14	0.000028	0
233	Tren A10	LinDirHist	Min	0	0	-0.000511	-0.000144	-0.000012	0
234	Tren A10	LinDirHist	Max	0	0	0.000001624	3.952E-07	0.000057	0
234	Tren A10	LinDirHist	Min	0	0	-0.000573	-0.000189	-0.000015	0
235	Tren A10	LinDirHist	Max	0	0	0.00000115	2.482E-07	0.000071	0
235	Tren A10	LinDirHist	Min	0	0	-0.000803	-0.000193	-0.000011	0
236	Tren A10	LinDirHist	Max	0	0	0.000003065	9.799E-08	0.000056	0
236	Tren A10	LinDirHist	Min	0	0	-0.00098	-0.00022	-0.000016	0
237	Tren A10	LinDirHist	Max	0	0	0.000001656	3.826E-07	0.000079	0
237	Tren A10	LinDirHist	Min	0	0	-0.001151	-0.000246	-0.000019	0
238	Tren A10	LinDirHist	Max	0	0	0.000001112	3.052E-07	0.000081	0
238	Tren A10	LinDirHist	Min	0	0	-0.001411	-0.000243	-0.000019	0
239	Tren A10	LinDirHist	Max	0	0	0.000002683	2.354E-07	0.000076	0
239	Tren A10	LinDirHist	Min	0	0	-0.001611	-0.00026	-0.000027	0
240	Tren A10	LinDirHist	Max	0	0	0.000002488	4.563E-07	0.000094	0
240	Tren A10	LinDirHist	Min	0	0	-0.001823	-0.000269	-0.000033	0
241	Tren A10	LinDirHist	Max	0	0	0.000002386	4.305E-07	0.000094	0
241	Tren A10	LinDirHist	Min	0	0	-0.002082	-0.000263	-0.000035	0
242	Tren A10	LinDirHist	Max	0	0	0.000003711	3.795E-07	0.00009	0
242	Tren A10	LinDirHist	Min	0	0	-0.002306	-0.000268	-0.00004	0
244	Tren A10	LinDirHist	Max	0	0	0.000004785	4.963E-07	0.000098	0
244	Tren A10	LinDirHist	Min	0	0	-0.002781	-0.000251	-0.000048	0
245	Tren A10	LinDirHist	Max	0	0	0.000006014	4.629E-07	0.000097	0
245	Tren A10	LinDirHist	Min	0	0	-0.003008	-0.000245	-0.000059	0
246	Tren A10	LinDirHist	Max	0	0	0.000006477	5.245E-07	0.000098	0
246	Tren A10	LinDirHist	Min	0	0	-0.003225	-0.00023	-0.000062	0
247	Tren A10	LinDirHist	Max	0	0	0.000007375	0.000000492	0.000097	0
247	Tren A10	LinDirHist	Min	0	0	-0.003432	-0.000212	-0.000071	0
248	Tren A10	LinDirHist	Max	0	0	0.000008626	4.449E-07	0.000101	0
248	Tren A10	LinDirHist	Min	0	0	-0.003633	-0.000197	-0.000082	0
249	Tren A10	LinDirHist	Max	0	0	0.000009526	4.773E-07	0.000095	0
249	Tren A10	LinDirHist	Min	0	0	-0.003812	-0.000175	-0.000087	0
250	Tren A10	LinDirHist	Max	0	0	0.000011	4.512E-07	0.00009	0
250	Tren A10	LinDirHist	Min	0	0	-0.003963	-0.000153	-0.000092	0
251	Tren A10	LinDirHist	Max	0	0	0.000013	4.735E-07	0.000089	0
251	Tren A10	LinDirHist	Min	0	0	-0.004099	-0.00013	-0.000098	0
252	Tren A10	LinDirHist	Max	0	0	0.000015	4.809E-07	0.000083	0

252	Tren A10	LinDirHist	Min	0	0	-0.004225	-0.000104	-0.000108	0
253	Tren A10	LinDirHist	Max	0	0	0.000017	4.121E-07	0.000077	0
253	Tren A10	LinDirHist	Min	0	0	-0.004319	-0.000077	-0.000113	0
254	Tren A10	LinDirHist	Max	0	0	0.000018	3.502E-07	0.000072	0
254	Tren A10	LinDirHist	Min	0	0	-0.004377	-0.000052	-0.000117	0
255	Tren A10	LinDirHist	Max	0	0	0.000018	2.866E-07	0.000068	0
255	Tren A10	LinDirHist	Min	0	0	-0.004414	-0.000027	-0.000124	0
256	Tren A10	LinDirHist	Max	0	0	0.000018	0.000018	0.000061	0
256	Tren A10	LinDirHist	Min	0	0	-0.004422	-0.000011	-0.000126	0
257	Tren A10	LinDirHist	Max	0	0	0.000018	0.000045	0.000049	0
257	Tren A10	LinDirHist	Min	0	0	-0.004389	-0.000006059	-0.000127	0
258	Tren A10	LinDirHist	Max	0	0	0.000019	0.000073	0.000043	0
258	Tren A10	LinDirHist	Min	0	0	-0.004324	-0.000003707	-0.000129	0
259	Tren A10	LinDirHist	Max	0	0	0.00002	0.000101	0.000035	0
259	Tren A10	LinDirHist	Min	0	0	-0.004248	-0.000002284	-0.000135	0
260	Tren A10	LinDirHist	Max	0	0	0.000019	0.000128	0.000023	0
260	Tren A10	LinDirHist	Min	0	0	-0.004134	-0.000001671	-0.000136	0
261	Tren A10	LinDirHist	Max	0	0	0.000019	0.000153	0.000016	0
261	Tren A10	LinDirHist	Min	0	0	-0.003977	-0.000001293	-0.000134	0
262	Tren A10	LinDirHist	Max	0	0	0.000018	0.000179	0.000008714	0
262	Tren A10	LinDirHist	Min	0	0	-0.003795	-0.000001285	-0.000134	0
263	Tren A10	LinDirHist	Max	0	0	0.000017	0.000201	0.000002095	0
263	Tren A10	LinDirHist	Min	0	0	-0.003588	-0.000001302	-0.000129	0
264	Tren A10	LinDirHist	Max	0	0	0.000015	0.00022	0.000001926	0
264	Tren A10	LinDirHist	Min	0	0	-0.00335	-0.000001254	-0.000128	0
265	Tren A10	LinDirHist	Max	0	0	0.000013	0.00024	0.00000179	0
265	Tren A10	LinDirHist	Min	0	0	-0.003084	-0.000001293	-0.000128	0
266	Tren A10	LinDirHist	Max	0	0	0.000011	0.00025	0.000001583	0
266	Tren A10	LinDirHist	Min	0	0	-0.002823	-0.000001239	-0.000123	0
267	Tren A10	LinDirHist	Max	0	0	0.00001	0.000257	0.000001302	0
267	Tren A10	LinDirHist	Min	0	0	-0.002549	-0.000001097	-0.000124	0
268	Tren A10	LinDirHist	Max	0	0	0.000008974	0.000269	0.000001298	0
268	Tren A10	LinDirHist	Min	0	0	-0.002232	-0.000001175	-0.000119	0
269	Tren A10	LinDirHist	Max	0	0	0.000007592	0.000262	0.000001116	0
269	Tren A10	LinDirHist	Min	0	0	-0.001949	-0.000001165	-0.000104	0
270	Tren A10	LinDirHist	Max	0	0	0.000006927	0.000256	9.591E-07	0
270	Tren A10	LinDirHist	Min	0	0	-0.001652	-0.000001021	-0.000106	0
271	Tren A10	LinDirHist	Max	0	0	0.00000536	0.000254	9.575E-07	0
271	Tren A10	LinDirHist	Min	0	0	-0.00133	-0.000001127	-0.000094	0
272	Tren A10	LinDirHist	Max	0	0	0.000004713	0.000222	6.832E-07	0
272	Tren A10	LinDirHist	Min	0	0	-0.00109	-0.00000101	-0.000076	0
273	Tren A10	LinDirHist	Max	0	0	0.000004765	0.000201	6.882E-07	0
273	Tren A10	LinDirHist	Min	0	0	-0.000821	-8.843E-07	-0.000084	0
274	Tren A10	LinDirHist	Max	0	0	0.000002639	0.00018	7.358E-07	0
274	Tren A10	LinDirHist	Min	0	0	-0.000579	-0.000001022	-0.000054	0
275	Tren A10	LinDirHist	Max	0	0	0.000003337	0.000115	0.000000329	0
275	Tren A10	LinDirHist	Min	0	0	-0.000482	-7.934E-07	-0.000037	0
276	Tren A10	LinDirHist	Max	0	0	0.00000318	0.000076	0.000000861	0
276	Tren A10	LinDirHist	Min	0	0	-0.000269	-5.933E-07	-0.000062	0
277	Tren A10	LinDirHist	Max	0	0	0.000005621	0.000033	0.000002688	0

277	Tren A10	LinDirHist	Min	0	0	-0.000066	-6.805E-07	-0.000012	0
278	Tren A10	LinDirHist	Max	0	0	0.000001524	0.000036	0.000000588	0
278	Tren A10	LinDirHist	Min	0	0	-0.000085	-6.772E-07	-0.000055	0
279	Tren A10	LinDirHist	Max	0	0	5.552E-12	0.000002757	0.000087	0
279	Tren A10	LinDirHist	Min	0	0	-0.000153	-3.97E-08	-0.00000155	0
280	Tren A10	LinDirHist	Max	0	0	7.803E-08	8.808E-13	0.000054	0
280	Tren A10	LinDirHist	Min	0	0	-0.000307	-0.000105	-0.000005419	0
283	Tren A10	LinDirHist	Max	0	0	0.000005693	3.546E-13	0.000039	0
283	Tren A10	LinDirHist	Min	0	0	-0.000479	-0.000127	-0.000002316	0
347	Tren A10	LinDirHist	Max	0	0	0.000003667	1.379E-07	0.000024	0
347	Tren A10	LinDirHist	Min	0	0	-0.000547	-0.000175	-0.000012	0
378	Tren A10	LinDirHist	Max	0	0	5.061E-07	3.715E-07	0.000077	0
378	Tren A10	LinDirHist	Min	0	0	-0.0007	-0.000196	-0.000008386	0
379	Tren A10	LinDirHist	Max	0	0	0.000002089	1.686E-07	0.000059	0
379	Tren A10	LinDirHist	Min	0	0	-0.000919	-0.000209	-0.00001	0
380	Tren A10	LinDirHist	Max	0	0	0.000002616	1.862E-07	0.000063	0
380	Tren A10	LinDirHist	Min	0	0	-0.00107	-0.000242	-0.00002	0
381	Tren A10	LinDirHist	Max	0	0	0.000001115	0.000000371	0.000091	0
381	Tren A10	LinDirHist	Min	0	0	-0.001288	-0.00025	-0.000018	0
383	Tren A10	LinDirHist	Max	0	0	0.000002176	2.595E-07	0.000073	0
383	Tren A10	LinDirHist	Min	0	0	-0.001522	-0.000256	-0.000022	0
388	Tren A10	LinDirHist	Max	0	0	0.000003011	3.416E-07	0.000083	0
388	Tren A10	LinDirHist	Min	0	0	-0.001716	-0.000272	-0.000027	0
389	Tren A10	LinDirHist	Max	0	0	0.000002499	4.455E-07	0.000094	0
389	Tren A10	LinDirHist	Min	0	0	-0.001966	-0.000269	-0.000028	0
390	Tren A10	LinDirHist	Max	0	0	0.000003381	3.568E-07	0.000088	0
390	Tren A10	LinDirHist	Min	0	0	-0.002215	-0.00027	-0.000033	0
391	Tren A10	LinDirHist	Max	0	0	0.00000425	4.729E-07	0.000095	0
391	Tren A10	LinDirHist	Min	0	0	-0.002437	-0.000272	-0.000039	0
392	Tren A10	LinDirHist	Max	0	0	0.000004462	5.457E-07	0.000098	0
392	Tren A10	LinDirHist	Min	0	0	-0.002678	-0.000261	-0.000043	0
393	Tren A10	LinDirHist	Max	0	0	0.000005326	4.679E-07	0.0001	0
393	Tren A10	LinDirHist	Min	0	0	-0.002909	-0.000254	-0.000051	0
394	Tren A10	LinDirHist	Max	0	0	0.000006108	5.631E-07	0.000098	0
394	Tren A10	LinDirHist	Min	0	0	-0.003122	-0.000246	-0.000057	0
448	Tren A10	LinDirHist	Max	0	0	0.000006448	5.829E-07	0.000096	0
448	Tren A10	LinDirHist	Min	0	0	-0.003332	-0.000227	-0.000061	0
449	Tren A10	LinDirHist	Max	0	0	0.000007281	5.053E-07	0.000097	0
449	Tren A10	LinDirHist	Min	0	0	-0.003539	-0.000211	-0.000071	0
450	Tren A10	LinDirHist	Max	0	0	0.000008751	0.000000522	0.000094	0
450	Tren A10	LinDirHist	Min	0	0	-0.003739	-0.00019	-0.000082	0
451	Tren A10	LinDirHist	Max	0	0	0.00001	5.212E-07	0.00009	0
451	Tren A10	LinDirHist	Min	0	0	-0.00391	-0.000166	-0.000087	0
452	Tren A10	LinDirHist	Max	0	0	0.000013	4.793E-07	0.000089	0
452	Tren A10	LinDirHist	Min	0	0	-0.004053	-0.000144	-0.000093	0
455	Tren A10	LinDirHist	Max	0	0	0.000014	0.000000478	0.000087	0
455	Tren A10	LinDirHist	Min	0	0	-0.004184	-0.000119	-0.000102	0
516	Tren A10	LinDirHist	Max	0	0	0.000015	4.444E-07	0.000081	0
516	Tren A10	LinDirHist	Min	0	0	-0.004286	-0.000091	-0.000106	0
517	Tren A10	LinDirHist	Max	0	0	0.000016	3.734E-07	0.000073	0

517	Tren A10	LinDirHist	Min	0	0	-0.004355	-0.000064	-0.000109	0
518	Tren A10	LinDirHist	Max	0	0	0.000017	3.174E-07	0.000067	0
518	Tren A10	LinDirHist	Min	0	0	-0.004398	-0.000039	-0.000114	0
519	Tren A10	LinDirHist	Max	0	0	0.000019	0.000005364	0.000061	0
519	Tren A10	LinDirHist	Min	0	0	-0.00443	-0.000018	-0.000121	0
527	Tren A10	LinDirHist	Max	0	0	0.000019	0.000032	0.000052	0
527	Tren A10	LinDirHist	Min	0	0	-0.004428	-0.000007416	-0.000125	0
528	Tren A10	LinDirHist	Max	0	0	0.000019	0.00006	0.000044	0
528	Tren A10	LinDirHist	Min	0	0	-0.004381	-0.000004926	-0.000127	0
529	Tren A10	LinDirHist	Max	0	0	0.00002	0.000089	0.00004	0
529	Tren A10	LinDirHist	Min	0	0	-0.004311	-0.00000295	-0.000129	0
531	Tren A10	LinDirHist	Max	0	0	0.000019	0.000116	0.00003	0
531	Tren A10	LinDirHist	Min	0	0	-0.004209	-0.000002064	-0.00013	0
532	Tren A10	LinDirHist	Max	0	0	0.000018	0.000142	0.000017	0
532	Tren A10	LinDirHist	Min	0	0	-0.004065	-0.000001541	-0.000128	0
533	Tren A10	LinDirHist	Max	0	0	0.000018	0.000168	0.000011	0
533	Tren A10	LinDirHist	Min	0	0	-0.003889	-0.000001433	-0.000128	0
539	Tren A10	LinDirHist	Max	0	0	0.000017	0.000194	0.000001973	0
539	Tren A10	LinDirHist	Min	0	0	-0.0037	-0.000001418	-0.000129	0
540	Tren A10	LinDirHist	Max	0	0	0.000016	0.000214	0.000001852	0
540	Tren A10	LinDirHist	Min	0	0	-0.003488	-0.000001276	-0.000126	0
541	Tren A10	LinDirHist	Max	0	0	0.000015	0.000235	0.000001806	0
541	Tren A10	LinDirHist	Min	0	0	-0.003235	-0.000001309	-0.000125	0
542	Tren A10	LinDirHist	Max	0	0	0.000013	0.000251	0.00000175	0
542	Tren A10	LinDirHist	Min	0	0	-0.002971	-0.000001325	-0.000121	0
543	Tren A10	LinDirHist	Max	0	0	0.000011	0.000258	0.000001494	0
543	Tren A10	LinDirHist	Min	0	0	-0.002705	-0.000001128	-0.000116	0
544	Tren A10	LinDirHist	Max	0	0	0.000009447	0.000269	0.000001309	0
544	Tren A10	LinDirHist	Min	0	0	-0.002399	-0.000001149	-0.000121	0
545	Tren A10	LinDirHist	Max	0	0	0.00000762	0.000272	0.000001177	0
545	Tren A10	LinDirHist	Min	0	0	-0.002091	-0.000001282	-0.000109	0
546	Tren A10	LinDirHist	Max	0	0	0.00000747	0.000261	9.213E-07	0
546	Tren A10	LinDirHist	Min	0	0	-0.001813	-0.000001139	-0.000103	0
547	Tren A10	LinDirHist	Max	0	0	0.000006813	0.000261	9.989E-07	0
547	Tren A10	LinDirHist	Min	0	0	-0.001498	-0.000001147	-0.000105	0
548	Tren A10	LinDirHist	Max	0	0	0.000004902	0.000245	8.876E-07	0
548	Tren A10	LinDirHist	Min	0	0	-0.001221	-0.000001218	-0.000077	0
549	Tren A10	LinDirHist	Max	0	0	0.000004888	0.000214	6.126E-07	0
549	Tren A10	LinDirHist	Min	0	0	-0.000981	-0.000000989	-0.000078	0
550	Tren A10	LinDirHist	Max	0	0	0.000003821	0.000198	8.486E-07	0
550	Tren A10	LinDirHist	Min	0	0	-0.000699	-9.172E-07	-0.000073	0
551	Tren A10	LinDirHist	Max	0	0	0.000002187	0.000154	5.075E-07	0
551	Tren A10	LinDirHist	Min	0	0	-0.000537	-9.317E-07	-0.000027	0
552	Tren A10	LinDirHist	Max	0	0	0.000004379	0.000094	4.503E-07	0
552	Tren A10	LinDirHist	Min	0	0	-0.000404	-6.259E-07	-0.000061	0
553	Tren A10	LinDirHist	Max	0	0	0.000001507	0.000055	0.000000849	0
553	Tren A10	LinDirHist	Min	0	0	-0.000194	-7.169E-07	-0.000043	0
556	Tren A10	LinDirHist	Max	0	0	7.439E-12	0.00000475	0.000096	0
556	Tren A10	LinDirHist	Min	0	0	-0.000177	-2.038E-12	-0.000001725	0
557	Tren A10	LinDirHist	Max	0	0	0.000003928	5.065E-07	0.000098	0

Apéndice G2				Flecha Dinámica Tren A10						V= 230 km/h
557	Tren A10	LinDirHist	Min	0	0	-0.002538	-0.000262	-0.000042	0	