

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 A8	LinDirHist	Max	0	0	9.907E-12	0.0000034	0.000023	0
140	Tren A8	LinDirHist	Min	0	0	-0.000267	-0.000003335	-2.123E-13	0
229	Tren A8	LinDirHist	Max	0	0	4.999E-12	2.274E-08	6.314E-13	0
229	Tren A8	LinDirHist	Min	0	0	-0.000248	-0.000065	-0.000021	0
230	Tren A8	LinDirHist	Max	0	0	2.194E-12	2.915E-07	7.285E-12	0
230	Tren A8	LinDirHist	Min	0	0	-0.000251	-0.000032	-0.000013	0
231	Tren A8	LinDirHist	Max	0	0	1.471E-13	3.151E-13	0.000022	0
231	Tren A8	LinDirHist	Min	0	0	-0.000208	-0.000087	-0.000009963	0
232	Tren A8	LinDirHist	Max	0	0	0.000002245	1.103E-13	0.00005	0
232	Tren A8	LinDirHist	Min	0	0	-0.000355	-0.000102	-0.0000044	0
233	Tren A8	LinDirHist	Max	0	0	0.0000046	6.539E-15	0.000023	0
233	Tren A8	LinDirHist	Min	0	0	-0.000469	-0.000132	-0.000007181	0
234	Tren A8	LinDirHist	Max	0	0	0.000001419	3.341E-07	0.00005	0
234	Tren A8	LinDirHist	Min	0	0	-0.000526	-0.000174	-0.00001	0
235	Tren A8	LinDirHist	Max	0	0	6.925E-07	2.227E-07	0.000065	0
235	Tren A8	LinDirHist	Min	0	0	-0.000737	-0.000178	-0.000008096	0
236	Tren A8	LinDirHist	Max	0	0	0.000001976	8.748E-08	0.000049	0
236	Tren A8	LinDirHist	Min	0	0	-0.000901	-0.000202	-0.000014	0
237	Tren A8	LinDirHist	Max	0	0	0.000001356	2.651E-07	0.000071	0
237	Tren A8	LinDirHist	Min	0	0	-0.001053	-0.000226	-0.000017	0
238	Tren A8	LinDirHist	Max	0	0	0.00000113	0.000000257	0.000075	0
238	Tren A8	LinDirHist	Min	0	0	-0.001289	-0.000223	-0.000017	0
239	Tren A8	LinDirHist	Max	0	0	0.000002388	1.876E-07	0.000068	0
239	Tren A8	LinDirHist	Min	0	0	-0.001476	-0.000239	-0.000024	0
240	Tren A8	LinDirHist	Max	0	0	0.000002012	3.226E-07	0.000082	0
240	Tren A8	LinDirHist	Min	0	0	-0.001674	-0.000247	-0.000027	0
241	Tren A8	LinDirHist	Max	0	0	0.000002237	0.000000346	0.000082	0
241	Tren A8	LinDirHist	Min	0	0	-0.001911	-0.000242	-0.000029	0
242	Tren A8	LinDirHist	Max	0	0	0.000003374	0.000000307	0.000082	0
242	Tren A8	LinDirHist	Min	0	0	-0.002122	-0.000246	-0.000035	0
244	Tren A8	LinDirHist	Max	0	0	0.000003936	4.146E-07	0.000086	0
244	Tren A8	LinDirHist	Min	0	0	-0.002562	-0.000231	-0.000041	0
245	Tren A8	LinDirHist	Max	0	0	0.000004865	3.904E-07	0.000088	0
245	Tren A8	LinDirHist	Min	0	0	-0.002764	-0.000225	-0.000048	0
246	Tren A8	LinDirHist	Max	0	0	0.000005123	4.555E-07	0.000089	0
246	Tren A8	LinDirHist	Min	0	0	-0.002966	-0.000212	-0.000052	0
247	Tren A8	LinDirHist	Max	0	0	0.000005827	4.303E-07	0.000086	0
247	Tren A8	LinDirHist	Min	0	0	-0.003158	-0.000195	-0.000059	0
248	Tren A8	LinDirHist	Max	0	0	0.000006861	3.952E-07	0.000088	0
248	Tren A8	LinDirHist	Min	0	0	-0.003338	-0.000181	-0.000066	0
249	Tren A8	LinDirHist	Max	0	0	0.000007818	4.223E-07	0.000085	0
249	Tren A8	LinDirHist	Min	0	0	-0.003505	-0.000161	-0.000072	0
250	Tren A8	LinDirHist	Max	0	0	0.000009481	4.008E-07	0.000082	0
250	Tren A8	LinDirHist	Min	0	0	-0.003651	-0.000141	-0.000078	0
251	Tren A8	LinDirHist	Max	0	0	0.000011	3.926E-07	0.000079	0
251	Tren A8	LinDirHist	Min	0	0	-0.003778	-0.00012	-0.000083	0
252	Tren A8	LinDirHist	Max	0	0	0.000013	3.934E-07	0.000075	0

252	Tren A8	LinDirHist	Min	0	0	-0.003886	-0.000096	-0.000088	0
253	Tren A8	LinDirHist	Max	0	0	0.000014	3.436E-07	0.00007	0
253	Tren A8	LinDirHist	Min	0	0	-0.003972	-0.000071	-0.000092	0
254	Tren A8	LinDirHist	Max	0	0	0.000015	2.952E-07	0.000063	0
254	Tren A8	LinDirHist	Min	0	0	-0.004032	-0.000047	-0.000096	0
255	Tren A8	LinDirHist	Max	0	0	0.000015	2.451E-07	0.000057	0
255	Tren A8	LinDirHist	Min	0	0	-0.004062	-0.000024	-0.000099	0
256	Tren A8	LinDirHist	Max	0	0	0.000016	0.000016	0.00005	0
256	Tren A8	LinDirHist	Min	0	0	-0.004066	-0.000008992	-0.000101	0
257	Tren A8	LinDirHist	Max	0	0	0.000016	0.000041	0.000042	0
257	Tren A8	LinDirHist	Min	0	0	-0.004041	-0.000005014	-0.000104	0
258	Tren A8	LinDirHist	Max	0	0	0.000016	0.000067	0.000034	0
258	Tren A8	LinDirHist	Min	0	0	-0.003987	-0.000003038	-0.000105	0
259	Tren A8	LinDirHist	Max	0	0	0.000016	0.000093	0.000027	0
259	Tren A8	LinDirHist	Min	0	0	-0.003906	-0.000001979	-0.000108	0
260	Tren A8	LinDirHist	Max	0	0	0.000015	0.000117	0.000018	0
260	Tren A8	LinDirHist	Min	0	0	-0.003793	-0.000001336	-0.00011	0
261	Tren A8	LinDirHist	Max	0	0	0.000015	0.000141	0.00001	0
261	Tren A8	LinDirHist	Min	0	0	-0.003652	-0.00000113	-0.000112	0
262	Tren A8	LinDirHist	Max	0	0	0.000014	0.000164	0.000001888	0
262	Tren A8	LinDirHist	Min	0	0	-0.003483	-0.000001052	-0.000112	0
263	Tren A8	LinDirHist	Max	0	0	0.000013	0.000184	0.000001654	0
263	Tren A8	LinDirHist	Min	0	0	-0.00329	-0.000001052	-0.000109	0
264	Tren A8	LinDirHist	Max	0	0	0.000013	0.000202	0.000001515	0
264	Tren A8	LinDirHist	Min	0	0	-0.003079	-0.000001044	-0.000107	0
265	Tren A8	LinDirHist	Max	0	0	0.000011	0.000221	0.000001424	0
265	Tren A8	LinDirHist	Min	0	0	-0.002842	-0.000001084	-0.000107	0
266	Tren A8	LinDirHist	Max	0	0	0.000009197	0.00023	0.000001295	0
266	Tren A8	LinDirHist	Min	0	0	-0.0026	-0.000001038	-0.000104	0
267	Tren A8	LinDirHist	Max	0	0	0.000008408	0.000237	0.000001076	0
267	Tren A8	LinDirHist	Min	0	0	-0.00234	-9.192E-07	-0.000106	0
268	Tren A8	LinDirHist	Max	0	0	0.000007333	0.000248	0.000001063	0
268	Tren A8	LinDirHist	Min	0	0	-0.002052	-0.000001006	-0.000102	0
269	Tren A8	LinDirHist	Max	0	0	0.000006314	0.000241	9.078E-07	0
269	Tren A8	LinDirHist	Min	0	0	-0.001793	-9.866E-07	-0.000091	0
270	Tren A8	LinDirHist	Max	0	0	0.00000608	0.000235	8.069E-07	0
270	Tren A8	LinDirHist	Min	0	0	-0.001515	-8.747E-07	-0.000097	0
271	Tren A8	LinDirHist	Max	0	0	0.00000479	0.000234	8.466E-07	0
271	Tren A8	LinDirHist	Min	0	0	-0.001222	-0.000000978	-0.000084	0
272	Tren A8	LinDirHist	Max	0	0	0.000003742	0.000205	6.162E-07	0
272	Tren A8	LinDirHist	Min	0	0	-0.001007	-8.892E-07	-0.000068	0
273	Tren A8	LinDirHist	Max	0	0	0.000003589	0.000186	5.312E-07	0
273	Tren A8	LinDirHist	Min	0	0	-0.000756	-7.375E-07	-0.000076	0
274	Tren A8	LinDirHist	Max	0	0	0.000002094	0.000165	6.383E-07	0
274	Tren A8	LinDirHist	Min	0	0	-0.000531	-8.188E-07	-0.000047	0
275	Tren A8	LinDirHist	Max	0	0	0.000002697	0.000106	2.617E-07	0
275	Tren A8	LinDirHist	Min	0	0	-0.000444	-6.652E-07	-0.000035	0
276	Tren A8	LinDirHist	Max	0	0	0.000002631	0.000069	7.097E-07	0
276	Tren A8	LinDirHist	Min	0	0	-0.000247	-4.902E-07	-0.000058	0
277	Tren A8	LinDirHist	Max	0	0	0.000004095	0.000031	0.000002829	0

277	Tren A8	LinDirHist	Min	0	0	-0.000061	-5.578E-07	-0.000011	0
278	Tren A8	LinDirHist	Max	0	0	9.863E-07	0.000032	4.866E-07	0
278	Tren A8	LinDirHist	Min	0	0	-0.000075	-5.428E-07	-0.000056	0
279	Tren A8	LinDirHist	Max	0	0	5.836E-12	0.000002469	0.000078	0
279	Tren A8	LinDirHist	Min	0	0	-0.000129	-1.279E-12	-0.000001402	0
280	Tren A8	LinDirHist	Max	0	0	7.06E-08	6.276E-13	0.00005	0
280	Tren A8	LinDirHist	Min	0	0	-0.000292	-0.000097	-0.000004887	0
283	Tren A8	LinDirHist	Max	0	0	0.000004677	5.332E-13	0.000036	0
283	Tren A8	LinDirHist	Min	0	0	-0.00045	-0.000117	-0.000002629	0
347	Tren A8	LinDirHist	Max	0	0	0.000003138	1.068E-07	0.000022	0
347	Tren A8	LinDirHist	Min	0	0	-0.000508	-0.000161	-0.000009809	0
378	Tren A8	LinDirHist	Max	0	0	3.178E-07	3.264E-07	0.000071	0
378	Tren A8	LinDirHist	Min	0	0	-0.000644	-0.00018	-0.000007037	0
379	Tren A8	LinDirHist	Max	0	0	0.000001914	1.223E-07	0.000054	0
379	Tren A8	LinDirHist	Min	0	0	-0.000848	-0.000192	-0.000008876	0
380	Tren A8	LinDirHist	Max	0	0	0.000001741	1.723E-07	0.000056	0
380	Tren A8	LinDirHist	Min	0	0	-0.000984	-0.000222	-0.000015	0
381	Tren A8	LinDirHist	Max	0	0	9.038E-07	3.323E-07	0.000082	0
381	Tren A8	LinDirHist	Min	0	0	-0.001186	-0.00023	-0.000014	0
383	Tren A8	LinDirHist	Max	0	0	0.000001572	1.912E-07	0.000067	0
383	Tren A8	LinDirHist	Min	0	0	-0.001404	-0.000236	-0.000018	0
388	Tren A8	LinDirHist	Max	0	0	0.000002231	2.989E-07	0.000075	0
388	Tren A8	LinDirHist	Min	0	0	-0.001583	-0.000251	-0.000022	0
389	Tren A8	LinDirHist	Max	0	0	0.000002023	4.089E-07	0.000086	0
389	Tren A8	LinDirHist	Min	0	0	-0.001805	-0.000248	-0.000023	0
390	Tren A8	LinDirHist	Max	0	0	0.000002681	3.023E-07	0.000082	0
390	Tren A8	LinDirHist	Min	0	0	-0.002029	-0.000248	-0.000026	0
391	Tren A8	LinDirHist	Max	0	0	0.000003537	4.132E-07	0.000087	0
391	Tren A8	LinDirHist	Min	0	0	-0.002239	-0.000251	-0.000031	0
392	Tren A8	LinDirHist	Max	0	0	0.000003729	4.661E-07	0.000088	0
392	Tren A8	LinDirHist	Min	0	0	-0.002462	-0.000241	-0.000034	0
393	Tren A8	LinDirHist	Max	0	0	0.000004494	3.853E-07	0.000087	0
393	Tren A8	LinDirHist	Min	0	0	-0.00267	-0.000234	-0.00004	0
394	Tren A8	LinDirHist	Max	0	0	0.000005254	4.671E-07	0.000088	0
394	Tren A8	LinDirHist	Min	0	0	-0.00287	-0.000226	-0.000045	0
448	Tren A8	LinDirHist	Max	0	0	0.000005663	4.745E-07	0.000085	0
448	Tren A8	LinDirHist	Min	0	0	-0.00307	-0.000209	-0.00005	0
449	Tren A8	LinDirHist	Max	0	0	0.000006498	3.952E-07	0.000084	0
449	Tren A8	LinDirHist	Min	0	0	-0.003257	-0.000194	-0.000058	0
450	Tren A8	LinDirHist	Max	0	0	0.000007406	4.111E-07	0.000083	0
450	Tren A8	LinDirHist	Min	0	0	-0.003429	-0.000174	-0.000065	0
451	Tren A8	LinDirHist	Max	0	0	0.000008312	4.002E-07	0.000081	0
451	Tren A8	LinDirHist	Min	0	0	-0.003585	-0.000152	-0.00007	0
452	Tren A8	LinDirHist	Max	0	0	0.000009716	3.787E-07	0.000078	0
452	Tren A8	LinDirHist	Min	0	0	-0.003721	-0.000132	-0.000077	0
455	Tren A8	LinDirHist	Max	0	0	0.000011	0.000000399	0.000074	0
455	Tren A8	LinDirHist	Min	0	0	-0.003838	-0.000109	-0.000083	0
516	Tren A8	LinDirHist	Max	0	0	0.000012	3.554E-07	0.00007	0
516	Tren A8	LinDirHist	Min	0	0	-0.003937	-0.000084	-0.000088	0
517	Tren A8	LinDirHist	Max	0	0	0.000014	2.913E-07	0.000065	0

517	Tren A8	LinDirHist	Min	0	0	-0.004013	-0.000059	-0.000094	0
518	Tren A8	LinDirHist	Max	0	0	0.000014	2.553E-07	0.000058	0
518	Tren A8	LinDirHist	Min	0	0	-0.00406	-0.000036	-0.000098	0
519	Tren A8	LinDirHist	Max	0	0	0.000015	0.000004317	0.000052	0
519	Tren A8	LinDirHist	Min	0	0	-0.00408	-0.000015	-0.000101	0
527	Tren A8	LinDirHist	Max	0	0	0.000016	0.000029	0.000045	0
527	Tren A8	LinDirHist	Min	0	0	-0.004071	-0.000006407	-0.000103	0
528	Tren A8	LinDirHist	Max	0	0	0.000016	0.000055	0.000037	0
528	Tren A8	LinDirHist	Min	0	0	-0.004031	-0.000003914	-0.000106	0
529	Tren A8	LinDirHist	Max	0	0	0.000016	0.000081	0.000031	0
529	Tren A8	LinDirHist	Min	0	0	-0.003964	-0.000002561	-0.000107	0
531	Tren A8	LinDirHist	Max	0	0	0.000016	0.000107	0.000022	0
531	Tren A8	LinDirHist	Min	0	0	-0.003868	-0.00000171	-0.000108	0
532	Tren A8	LinDirHist	Max	0	0	0.000016	0.000131	0.000014	0
532	Tren A8	LinDirHist	Min	0	0	-0.003742	-0.000001236	-0.000108	0
533	Tren A8	LinDirHist	Max	0	0	0.000015	0.000155	0.000007177	0
533	Tren A8	LinDirHist	Min	0	0	-0.003588	-0.00000115	-0.000107	0
539	Tren A8	LinDirHist	Max	0	0	0.000015	0.000178	0.000001725	0
539	Tren A8	LinDirHist	Min	0	0	-0.003405	-0.000001193	-0.000107	0
540	Tren A8	LinDirHist	Max	0	0	0.000014	0.000197	0.000001622	0
540	Tren A8	LinDirHist	Min	0	0	-0.003203	-0.000001113	-0.000107	0
541	Tren A8	LinDirHist	Max	0	0	0.000013	0.000217	0.00000154	0
541	Tren A8	LinDirHist	Min	0	0	-0.002976	-0.000001117	-0.000108	0
542	Tren A8	LinDirHist	Max	0	0	0.000011	0.000231	0.000001487	0
542	Tren A8	LinDirHist	Min	0	0	-0.002732	-0.000001097	-0.000107	0
543	Tren A8	LinDirHist	Max	0	0	0.000009133	0.000237	0.000001261	0
543	Tren A8	LinDirHist	Min	0	0	-0.002483	-9.499E-07	-0.000105	0
544	Tren A8	LinDirHist	Max	0	0	0.000008093	0.000247	0.0000011	0
544	Tren A8	LinDirHist	Min	0	0	-0.002205	-9.092E-07	-0.000106	0
545	Tren A8	LinDirHist	Max	0	0	0.000006691	0.00025	0.000001008	0
545	Tren A8	LinDirHist	Min	0	0	-0.001927	-9.847E-07	-0.000094	0
546	Tren A8	LinDirHist	Max	0	0	0.000005766	0.00024	8.077E-07	0
546	Tren A8	LinDirHist	Min	0	0	-0.001668	-8.966E-07	-0.00009	0
547	Tren A8	LinDirHist	Max	0	0	0.000005082	0.000239	0.000000759	0
547	Tren A8	LinDirHist	Min	0	0	-0.001373	-8.865E-07	-0.000092	0
548	Tren A8	LinDirHist	Max	0	0	0.000003803	0.000225	6.727E-07	0
548	Tren A8	LinDirHist	Min	0	0	-0.001117	-9.591E-07	-0.000067	0
549	Tren A8	LinDirHist	Max	0	0	0.000004164	0.000196	5.021E-07	0
549	Tren A8	LinDirHist	Min	0	0	-0.0009	-7.598E-07	-0.000071	0
550	Tren A8	LinDirHist	Max	0	0	0.000003307	0.000182	6.647E-07	0
550	Tren A8	LinDirHist	Min	0	0	-0.000643	-8.183E-07	-0.000066	0
551	Tren A8	LinDirHist	Max	0	0	0.000001772	0.000141	4.325E-07	0
551	Tren A8	LinDirHist	Min	0	0	-0.000504	-8.312E-07	-0.000023	0
552	Tren A8	LinDirHist	Max	0	0	0.000003618	0.000086	3.755E-07	0
552	Tren A8	LinDirHist	Min	0	0	-0.000377	-5.468E-07	-0.000056	0
553	Tren A8	LinDirHist	Max	0	0	0.000001249	0.000049	7.017E-07	0
553	Tren A8	LinDirHist	Min	0	0	-0.000183	-5.974E-07	-0.00004	0
556	Tren A8	LinDirHist	Max	0	0	6.449E-12	0.000003693	0.000087	0
556	Tren A8	LinDirHist	Min	0	0	-0.000151	-1.437E-12	-0.000001561	0
557	Tren A8	LinDirHist	Max	0	0	0.000003411	4.137E-07	0.000089	0

Apéndice T1				Flecha Dinámica Tren A8						V= 250 km/h
557	Tren A8	LinDirHist	Min	0	0	-0.002342	-0.000241	-0.000037	0	