

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	3.77E-11	0.000002931	0.000025	0
140	Tren A6	LinDirHis	Min	0	0	-0.000251	-0.000003314	-5.63E-13	0
229	Tren A6	LinDirHis	Max	0	0	8.185E-12	2.079E-08	5.421E-12	0
229	Tren A6	LinDirHis	Min	0	0	-0.000238	-0.000065	-0.000023	0
230	Tren A6	LinDirHis	Max	0	0	1.841E-11	2.754E-07	1.946E-11	0
230	Tren A6	LinDirHis	Min	0	0	-0.000251	-0.000031	-0.000012	0
231	Tren A6	LinDirHis	Max	0	0	2.15E-12	1.797E-12	0.000022	0
231	Tren A6	LinDirHis	Min	0	0	-0.000206	-0.000086	-0.000009433	0
232	Tren A6	LinDirHis	Max	0	0	0.000002128	4.722E-13	0.00005	0
232	Tren A6	LinDirHis	Min	0	0	-0.00035	-0.0001	-0.000004166	0
233	Tren A6	LinDirHis	Max	0	0	0.000004357	1.7E-13	0.000024	0
233	Tren A6	LinDirHis	Min	0	0	-0.000464	-0.000131	-0.000006798	0
234	Tren A6	LinDirHis	Max	0	0	0.000001344	3.165E-07	0.000051	0
234	Tren A6	LinDirHis	Min	0	0	-0.000522	-0.000172	-0.000009666	0
235	Tren A6	LinDirHis	Max	0	0	6.555E-07	0.000000211	0.000066	0
235	Tren A6	LinDirHis	Min	0	0	-0.00073	-0.000176	-0.000007669	0
236	Tren A6	LinDirHis	Max	0	0	0.000001873	8.29E-08	0.00005	0
236	Tren A6	LinDirHis	Min	0	0	-0.000895	-0.0002	-0.000013	0
237	Tren A6	LinDirHis	Max	0	0	0.000001285	0.000000251	0.000073	0
237	Tren A6	LinDirHis	Min	0	0	-0.001047	-0.000224	-0.000016	0
238	Tren A6	LinDirHis	Max	0	0	0.000001071	2.435E-07	0.000075	0
238	Tren A6	LinDirHis	Min	0	0	-0.001281	-0.000222	-0.000016	0
239	Tren A6	LinDirHis	Max	0	0	0.000002262	1.778E-07	0.000068	0
239	Tren A6	LinDirHis	Min	0	0	-0.001468	-0.000238	-0.000023	0
240	Tren A6	LinDirHis	Max	0	0	0.000001904	3.058E-07	0.000082	0
240	Tren A6	LinDirHis	Min	0	0	-0.001662	-0.000246	-0.000026	0
241	Tren A6	LinDirHis	Max	0	0	0.000002117	3.279E-07	0.000081	0
241	Tren A6	LinDirHis	Min	0	0	-0.001894	-0.00024	-0.000028	0
242	Tren A6	LinDirHis	Max	0	0	0.000003195	2.907E-07	0.00008	0
242	Tren A6	LinDirHis	Min	0	0	-0.002101	-0.000244	-0.000033	0
244	Tren A6	LinDirHis	Max	0	0	0.000003727	3.928E-07	0.000085	0
244	Tren A6	LinDirHis	Min	0	0	-0.002531	-0.000229	-0.00004	0
245	Tren A6	LinDirHis	Max	0	0	0.000004607	3.698E-07	0.000086	0
245	Tren A6	LinDirHis	Min	0	0	-0.002731	-0.000223	-0.000046	0
246	Tren A6	LinDirHis	Max	0	0	0.00000485	4.316E-07	0.000087	0
246	Tren A6	LinDirHis	Min	0	0	-0.002932	-0.00021	-0.00005	0
247	Tren A6	LinDirHis	Max	0	0	0.000005517	4.076E-07	0.000085	0
247	Tren A6	LinDirHis	Min	0	0	-0.003124	-0.000194	-0.000058	0
248	Tren A6	LinDirHis	Max	0	0	0.000006497	3.742E-07	0.000086	0
248	Tren A6	LinDirHis	Min	0	0	-0.003305	-0.00018	-0.000064	0
249	Tren A6	LinDirHis	Max	0	0	0.000007402	0.0000004	0.000083	0
249	Tren A6	LinDirHis	Min	0	0	-0.00347	-0.00016	-0.00007	0
250	Tren A6	LinDirHis	Max	0	0	0.000008977	3.795E-07	0.00008	0
250	Tren A6	LinDirHis	Min	0	0	-0.003616	-0.000139	-0.000075	0
251	Tren A6	LinDirHis	Max	0	0	0.000011	3.718E-07	0.000077	0
251	Tren A6	LinDirHis	Min	0	0	-0.003742	-0.000119	-0.00008	0
252	Tren A6	LinDirHis	Max	0	0	0.000012	3.726E-07	0.000072	0

252	Tren A6	LinDirHis	Min	0	0	-0.003847	-0.000094	-0.000085	0
253	Tren A6	LinDirHis	Max	0	0	0.000013	3.253E-07	0.000068	0
253	Tren A6	LinDirHis	Min	0	0	-0.003928	-0.00007	-0.000089	0
254	Tren A6	LinDirHis	Max	0	0	0.000014	2.795E-07	0.000062	0
254	Tren A6	LinDirHis	Min	0	0	-0.003984	-0.000046	-0.000092	0
255	Tren A6	LinDirHis	Max	0	0	0.000014	2.321E-07	0.000056	0
255	Tren A6	LinDirHis	Min	0	0	-0.004015	-0.000023	-0.000095	0
256	Tren A6	LinDirHis	Max	0	0	0.000015	0.000016	0.000051	0
256	Tren A6	LinDirHis	Min	0	0	-0.004022	-0.000008667	-0.000097	0
257	Tren A6	LinDirHis	Max	0	0	0.000015	0.000041	0.000043	0
257	Tren A6	LinDirHis	Min	0	0	-0.004002	-0.000004748	-0.0001	0
258	Tren A6	LinDirHis	Max	0	0	0.000015	0.000066	0.000036	0
258	Tren A6	LinDirHis	Min	0	0	-0.003953	-0.000002876	-0.000101	0
259	Tren A6	LinDirHis	Max	0	0	0.000015	0.000092	0.000029	0
259	Tren A6	LinDirHis	Min	0	0	-0.003877	-0.000001874	-0.000103	0
260	Tren A6	LinDirHis	Max	0	0	0.000014	0.000117	0.00002	0
260	Tren A6	LinDirHis	Min	0	0	-0.003769	-0.000001265	-0.000106	0
261	Tren A6	LinDirHis	Max	0	0	0.000014	0.00014	0.000011	0
261	Tren A6	LinDirHis	Min	0	0	-0.00363	-0.00000107	-0.000108	0
262	Tren A6	LinDirHis	Max	0	0	0.000013	0.000163	0.000002102	0
262	Tren A6	LinDirHis	Min	0	0	-0.003462	-9.954E-07	-0.000108	0
263	Tren A6	LinDirHis	Max	0	0	0.000012	0.000182	0.000001566	0
263	Tren A6	LinDirHis	Min	0	0	-0.003267	-9.963E-07	-0.000107	0
264	Tren A6	LinDirHis	Max	0	0	0.000012	0.0002	0.000001434	0
264	Tren A6	LinDirHis	Min	0	0	-0.003052	-9.885E-07	-0.000106	0
265	Tren A6	LinDirHis	Max	0	0	0.00001	0.000218	0.000001348	0
265	Tren A6	LinDirHis	Min	0	0	-0.002814	-0.000001026	-0.000105	0
266	Tren A6	LinDirHis	Max	0	0	0.000008709	0.000227	0.000001226	0
266	Tren A6	LinDirHis	Min	0	0	-0.002571	-9.829E-07	-0.000101	0
267	Tren A6	LinDirHis	Max	0	0	0.000007963	0.000234	0.000001018	0
267	Tren A6	LinDirHis	Min	0	0	-0.002316	-8.704E-07	-0.000102	0
268	Tren A6	LinDirHis	Max	0	0	0.000006944	0.000245	0.000001007	0
268	Tren A6	LinDirHis	Min	0	0	-0.002032	-9.531E-07	-0.000099	0
269	Tren A6	LinDirHis	Max	0	0	0.000005979	0.000239	8.596E-07	0
269	Tren A6	LinDirHis	Min	0	0	-0.001773	-9.342E-07	-0.000089	0
270	Tren A6	LinDirHis	Max	0	0	0.000005758	0.000233	7.641E-07	0
270	Tren A6	LinDirHis	Min	0	0	-0.0015	-8.281E-07	-0.000095	0
271	Tren A6	LinDirHis	Max	0	0	0.000004535	0.000232	8.017E-07	0
271	Tren A6	LinDirHis	Min	0	0	-0.001209	-0.000000926	-0.000081	0
272	Tren A6	LinDirHis	Max	0	0	0.000003544	0.000203	5.834E-07	0
272	Tren A6	LinDirHis	Min	0	0	-0.000997	-8.418E-07	-0.000065	0
273	Tren A6	LinDirHis	Max	0	0	0.000003397	0.000184	5.029E-07	0
273	Tren A6	LinDirHis	Min	0	0	-0.000747	-6.982E-07	-0.000075	0
274	Tren A6	LinDirHis	Max	0	0	0.000001983	0.000163	6.042E-07	0
274	Tren A6	LinDirHis	Min	0	0	-0.000524	-7.753E-07	-0.000045	0
275	Tren A6	LinDirHis	Max	0	0	0.000002555	0.000105	2.477E-07	0
275	Tren A6	LinDirHis	Min	0	0	-0.000437	-6.298E-07	-0.000033	0
276	Tren A6	LinDirHis	Max	0	0	0.000002492	0.000069	6.721E-07	0
276	Tren A6	LinDirHis	Min	0	0	-0.000244	-4.641E-07	-0.000054	0
277	Tren A6	LinDirHis	Max	0	0	0.00000388	0.000028	1.993E-07	0

277	Tren A6	LinDirHis	Min	0	0	-0.000055	-5.278E-07	-0.000009355	0
278	Tren A6	LinDirHis	Max	0	0	9.351E-07	0.000033	4.609E-07	0
278	Tren A6	LinDirHis	Min	0	0	-0.000079	-5.137E-07	-0.000047	0
279	Tren A6	LinDirHis	Max	0	0	2.228E-11	0.000002461	0.000068	0
279	Tren A6	LinDirHis	Min	0	0	-0.000136	-5.849E-12	-0.000001306	0
280	Tren A6	LinDirHis	Max	0	0	6.641E-08	1.643E-12	0.000049	0
280	Tren A6	LinDirHis	Min	0	0	-0.00028	-0.000096	-0.000004632	0
283	Tren A6	LinDirHis	Max	0	0	0.000004429	1.437E-12	0.000035	0
283	Tren A6	LinDirHis	Min	0	0	-0.000435	-0.000115	-0.000002493	0
347	Tren A6	LinDirHis	Max	0	0	0.000002973	1.013E-07	0.000021	0
347	Tren A6	LinDirHis	Min	0	0	-0.000496	-0.000159	-0.000009672	0
378	Tren A6	LinDirHis	Max	0	0	3.013E-07	3.092E-07	0.00007	0
378	Tren A6	LinDirHis	Min	0	0	-0.000633	-0.000178	-0.000006668	0
379	Tren A6	LinDirHis	Max	0	0	0.000001814	1.159E-07	0.000053	0
379	Tren A6	LinDirHis	Min	0	0	-0.000836	-0.00019	-0.000008411	0
380	Tren A6	LinDirHis	Max	0	0	0.000001648	1.633E-07	0.000055	0
380	Tren A6	LinDirHis	Min	0	0	-0.000974	-0.00022	-0.000014	0
381	Tren A6	LinDirHis	Max	0	0	8.565E-07	3.149E-07	0.00008	0
381	Tren A6	LinDirHis	Min	0	0	-0.001177	-0.000227	-0.000014	0
383	Tren A6	LinDirHis	Max	0	0	0.000001488	0.000000181	0.000066	0
383	Tren A6	LinDirHis	Min	0	0	-0.001394	-0.000233	-0.000017	0
388	Tren A6	LinDirHis	Max	0	0	0.000002114	2.832E-07	0.000074	0
388	Tren A6	LinDirHis	Min	0	0	-0.001572	-0.000248	-0.000021	0
389	Tren A6	LinDirHis	Max	0	0	0.000001917	3.873E-07	0.000084	0
389	Tren A6	LinDirHis	Min	0	0	-0.001794	-0.000246	-0.000022	0
390	Tren A6	LinDirHis	Max	0	0	0.000000254	0.000000286	0.000079	0
390	Tren A6	LinDirHis	Min	0	0	-0.002013	-0.000245	-0.000025	0
391	Tren A6	LinDirHis	Max	0	0	0.000003351	3.913E-07	0.000085	0
391	Tren A6	LinDirHis	Min	0	0	-0.002218	-0.000248	-0.00003	0
392	Tren A6	LinDirHis	Max	0	0	0.000003532	4.413E-07	0.000087	0
392	Tren A6	LinDirHis	Min	0	0	-0.002438	-0.000238	-0.000033	0
393	Tren A6	LinDirHis	Max	0	0	0.000004258	3.646E-07	0.000087	0
393	Tren A6	LinDirHis	Min	0	0	-0.002645	-0.000231	-0.000039	0
394	Tren A6	LinDirHis	Max	0	0	0.000004977	4.423E-07	0.000089	0
394	Tren A6	LinDirHis	Min	0	0	-0.002844	-0.000223	-0.000044	0
448	Tren A6	LinDirHis	Max	0	0	0.000005364	4.493E-07	0.000086	0
448	Tren A6	LinDirHis	Min	0	0	-0.003044	-0.000207	-0.000049	0
449	Tren A6	LinDirHis	Max	0	0	0.000006155	0.000000374	0.000086	0
449	Tren A6	LinDirHis	Min	0	0	-0.003231	-0.000192	-0.000057	0
450	Tren A6	LinDirHis	Max	0	0	0.000007015	3.892E-07	0.000084	0
450	Tren A6	LinDirHis	Min	0	0	-0.003404	-0.000173	-0.000062	0
451	Tren A6	LinDirHis	Max	0	0	0.000007873	3.789E-07	0.000081	0
451	Tren A6	LinDirHis	Min	0	0	-0.003561	-0.000151	-0.000067	0
452	Tren A6	LinDirHis	Max	0	0	0.000009202	3.584E-07	0.000077	0
452	Tren A6	LinDirHis	Min	0	0	-0.003696	-0.000131	-0.000074	0
455	Tren A6	LinDirHis	Max	0	0	0.00001	3.777E-07	0.000072	0
455	Tren A6	LinDirHis	Min	0	0	-0.003811	-0.000108	-0.00008	0
516	Tren A6	LinDirHis	Max	0	0	0.000011	3.364E-07	0.000068	0
516	Tren A6	LinDirHis	Min	0	0	-0.003903	-0.000083	-0.000085	0
517	Tren A6	LinDirHis	Max	0	0	0.000013	2.757E-07	0.000063	0

517	Tren A6	LinDirHis	Min	0	0	-0.003971	-0.000058	-0.00009	0
518	Tren A6	LinDirHis	Max	0	0	0.000014	2.418E-07	0.000056	0
518	Tren A6	LinDirHis	Min	0	0	-0.004014	-0.000035	-0.000094	0
519	Tren A6	LinDirHis	Max	0	0	0.000014	0.000004231	0.000051	0
519	Tren A6	LinDirHis	Min	0	0	-0.004032	-0.000014	-0.000097	0
527	Tren A6	LinDirHis	Max	0	0	0.000015	0.000029	0.000045	0
527	Tren A6	LinDirHis	Min	0	0	-0.004025	-0.000006068	-0.000099	0
528	Tren A6	LinDirHis	Max	0	0	0.000015	0.000054	0.000037	0
528	Tren A6	LinDirHis	Min	0	0	-0.003989	-0.000003706	-0.000102	0
529	Tren A6	LinDirHis	Max	0	0	0.000015	0.00008	0.00003	0
529	Tren A6	LinDirHis	Min	0	0	-0.003926	-0.000002425	-0.000102	0
531	Tren A6	LinDirHis	Max	0	0	0.000015	0.000106	0.000022	0
531	Tren A6	LinDirHis	Min	0	0	-0.003834	-0.000001619	-0.000104	0
532	Tren A6	LinDirHis	Max	0	0	0.000015	0.00013	0.000014	0
532	Tren A6	LinDirHis	Min	0	0	-0.003708	-0.00000117	-0.000104	0
533	Tren A6	LinDirHis	Max	0	0	0.000015	0.000153	0.000006273	0
533	Tren A6	LinDirHis	Min	0	0	-0.003556	-0.000001089	-0.000103	0
539	Tren A6	LinDirHis	Max	0	0	0.000014	0.000176	0.000001633	0
539	Tren A6	LinDirHis	Min	0	0	-0.003376	-0.00000113	-0.000102	0
540	Tren A6	LinDirHis	Max	0	0	0.000013	0.000195	0.000001535	0
540	Tren A6	LinDirHis	Min	0	0	-0.003171	-0.000001053	-0.000102	0
541	Tren A6	LinDirHis	Max	0	0	0.000012	0.000215	0.000001458	0
541	Tren A6	LinDirHis	Min	0	0	-0.002943	-0.000001058	-0.000104	0
542	Tren A6	LinDirHis	Max	0	0	0.00001	0.000229	0.000001407	0
542	Tren A6	LinDirHis	Min	0	0	-0.002702	-0.000001039	-0.000103	0
543	Tren A6	LinDirHis	Max	0	0	0.000008648	0.000235	0.000001194	0
543	Tren A6	LinDirHis	Min	0	0	-0.002457	-8.994E-07	-0.000101	0
544	Tren A6	LinDirHis	Max	0	0	0.000007664	0.000245	0.000001042	0
544	Tren A6	LinDirHis	Min	0	0	-0.002183	-8.609E-07	-0.000104	0
545	Tren A6	LinDirHis	Max	0	0	0.000006336	0.000248	9.542E-07	0
545	Tren A6	LinDirHis	Min	0	0	-0.00191	-9.325E-07	-0.000093	0
546	Tren A6	LinDirHis	Max	0	0	0.00000546	0.000238	7.649E-07	0
546	Tren A6	LinDirHis	Min	0	0	-0.001654	-0.000000849	-0.000091	0
547	Tren A6	LinDirHis	Max	0	0	0.000004812	0.000238	7.187E-07	0
547	Tren A6	LinDirHis	Min	0	0	-0.00136	-8.393E-07	-0.000093	0
548	Tren A6	LinDirHis	Max	0	0	0.000003599	0.000224	6.368E-07	0
548	Tren A6	LinDirHis	Min	0	0	-0.001108	-9.078E-07	-0.000068	0
549	Tren A6	LinDirHis	Max	0	0	0.000003943	0.000195	4.753E-07	0
549	Tren A6	LinDirHis	Min	0	0	-0.000891	-0.000000719	-0.000072	0
550	Tren A6	LinDirHis	Max	0	0	0.000003131	0.00018	6.295E-07	0
550	Tren A6	LinDirHis	Min	0	0	-0.000632	-7.746E-07	-0.000067	0
551	Tren A6	LinDirHis	Max	0	0	0.000001679	0.00014	4.095E-07	0
551	Tren A6	LinDirHis	Min	0	0	-0.000488	-7.868E-07	-0.000024	0
552	Tren A6	LinDirHis	Max	0	0	0.000003426	0.000085	3.558E-07	0
552	Tren A6	LinDirHis	Min	0	0	-0.000367	-5.175E-07	-0.000056	0
553	Tren A6	LinDirHis	Max	0	0	0.000001183	0.00005	6.647E-07	0
553	Tren A6	LinDirHis	Min	0	0	-0.000179	-5.657E-07	-0.000039	0
556	Tren A6	LinDirHis	Max	0	0	2.47E-11	0.000003574	0.000074	0
556	Tren A6	LinDirHis	Min	0	0	-0.000154	-6.389E-12	-0.000001457	0
557	Tren A6	LinDirHis	Max	0	0	0.000003229	0.000000392	0.000087	0

Apéndice H1				Flecha Dinámica Tren A6						V= 250 km/h
557	Tren A6	LinDirHis	Min	0	0	-0.002314	-0.000239	-0.000036	0	