

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	8.487E-11	0.000003569	0.000023	0
140	Tren A6	LinDirHis	Min	0	0	-0.000262	-0.00000103	-3.97E-12	0
229	Tren A6	LinDirHis	Max	0	0	1.378E-11	2.079E-08	1.414E-11	0
229	Tren A6	LinDirHis	Min	0	0	-0.000237	-0.000063	-0.000021	0
230	Tren A6	LinDirHis	Max	0	0	4.775E-11	2.754E-07	3.87E-11	0
230	Tren A6	LinDirHis	Min	0	0	-0.000248	-0.000031	-0.000011	0
231	Tren A6	LinDirHis	Max	0	0	5.805E-12	7.937E-12	0.000019	0
231	Tren A6	LinDirHis	Min	0	0	-0.000202	-0.000084	-0.000008891	0
232	Tren A6	LinDirHis	Max	0	0	0.000002129	5.792E-12	0.000048	0
232	Tren A6	LinDirHis	Min	0	0	-0.000339	-0.000098	-0.0000038	0
233	Tren A6	LinDirHis	Max	0	0	0.000003497	3.921E-12	0.000023	0
233	Tren A6	LinDirHis	Min	0	0	-0.000452	-0.000128	-0.000006758	0
234	Tren A6	LinDirHis	Max	0	0	0.000001177	2.524E-07	0.000047	0
234	Tren A6	LinDirHis	Min	0	0	-0.000509	-0.000168	-0.00001	0
235	Tren A6	LinDirHis	Max	0	0	5.757E-07	0.000000197	0.000063	0
235	Tren A6	LinDirHis	Min	0	0	-0.000712	-0.000172	-0.000007539	0
236	Tren A6	LinDirHis	Max	0	0	0.00000195	7.05E-08	0.000047	0
236	Tren A6	LinDirHis	Min	0	0	-0.00087	-0.000195	-0.000012	0
237	Tren A6	LinDirHis	Max	0	0	0.00000105	2.438E-07	0.000068	0
237	Tren A6	LinDirHis	Min	0	0	-0.001019	-0.000218	-0.000014	0
238	Tren A6	LinDirHis	Max	0	0	8.226E-07	1.881E-07	0.000072	0
238	Tren A6	LinDirHis	Min	0	0	-0.001248	-0.000215	-0.000015	0
239	Tren A6	LinDirHis	Max	0	0	0.000001875	1.333E-07	0.000065	0
239	Tren A6	LinDirHis	Min	0	0	-0.001428	-0.000231	-0.000019	0
240	Tren A6	LinDirHis	Max	0	0	0.000001826	2.844E-07	0.000078	0
240	Tren A6	LinDirHis	Min	0	0	-0.001618	-0.000239	-0.00002	0
241	Tren A6	LinDirHis	Max	0	0	0.000001934	2.801E-07	0.000077	0
241	Tren A6	LinDirHis	Min	0	0	-0.001844	-0.000234	-0.000022	0
242	Tren A6	LinDirHis	Max	0	0	0.000002671	2.582E-07	0.000077	0
242	Tren A6	LinDirHis	Min	0	0	-0.002047	-0.000238	-0.000029	0
244	Tren A6	LinDirHis	Max	0	0	0.000003025	3.453E-07	0.000082	0
244	Tren A6	LinDirHis	Min	0	0	-0.00247	-0.000223	-0.000034	0
245	Tren A6	LinDirHis	Max	0	0	0.000003905	3.314E-07	0.000083	0
245	Tren A6	LinDirHis	Min	0	0	-0.002668	-0.000218	-0.000039	0
246	Tren A6	LinDirHis	Max	0	0	0.000004501	3.911E-07	0.000083	0
246	Tren A6	LinDirHis	Min	0	0	-0.002866	-0.000204	-0.000044	0
247	Tren A6	LinDirHis	Max	0	0	0.000005134	3.286E-07	0.00008	0
247	Tren A6	LinDirHis	Min	0	0	-0.003055	-0.000189	-0.000051	0
248	Tren A6	LinDirHis	Max	0	0	0.000006082	2.962E-07	0.000081	0
248	Tren A6	LinDirHis	Min	0	0	-0.00323	-0.000175	-0.000057	0
249	Tren A6	LinDirHis	Max	0	0	0.000006895	3.316E-07	0.000077	0
249	Tren A6	LinDirHis	Min	0	0	-0.003388	-0.000156	-0.000063	0
250	Tren A6	LinDirHis	Max	0	0	0.000008138	3.325E-07	0.000073	0
250	Tren A6	LinDirHis	Min	0	0	-0.003525	-0.000136	-0.000068	0
251	Tren A6	LinDirHis	Max	0	0	0.000009543	3.303E-07	0.000071	0
251	Tren A6	LinDirHis	Min	0	0	-0.003644	-0.000116	-0.000073	0
252	Tren A6	LinDirHis	Max	0	0	0.000011	3.345E-07	0.000066	0

252	Tren A6	LinDirHis	Min	0	0	-0.003747	-0.000092	-0.000077	0
253	Tren A6	LinDirHis	Max	0	0	0.000011	2.886E-07	0.000062	0
253	Tren A6	LinDirHis	Min	0	0	-0.003828	-0.000068	-0.000082	0
254	Tren A6	LinDirHis	Max	0	0	0.000012	2.415E-07	0.000056	0
254	Tren A6	LinDirHis	Min	0	0	-0.003885	-0.000045	-0.000086	0
255	Tren A6	LinDirHis	Max	0	0	0.000012	1.812E-07	0.00005	0
255	Tren A6	LinDirHis	Min	0	0	-0.003919	-0.000022	-0.000089	0
256	Tren A6	LinDirHis	Max	0	0	0.000013	0.000015	0.000043	0
256	Tren A6	LinDirHis	Min	0	0	-0.003927	-0.00000772	-0.000092	0
257	Tren A6	LinDirHis	Max	0	0	0.000012	0.000039	0.000035	0
257	Tren A6	LinDirHis	Min	0	0	-0.003902	-0.000004246	-0.000095	0
258	Tren A6	LinDirHis	Max	0	0	0.000013	0.000064	0.000029	0
258	Tren A6	LinDirHis	Min	0	0	-0.00385	-0.00000245	-0.000096	0
259	Tren A6	LinDirHis	Max	0	0	0.000013	0.000089	0.000023	0
259	Tren A6	LinDirHis	Min	0	0	-0.003774	-0.000001654	-0.000096	0
260	Tren A6	LinDirHis	Max	0	0	0.000013	0.000114	0.000015	0
260	Tren A6	LinDirHis	Min	0	0	-0.003669	-0.000001175	-0.000096	0
261	Tren A6	LinDirHis	Max	0	0	0.000013	0.000136	0.000006275	0
261	Tren A6	LinDirHis	Min	0	0	-0.003537	-8.778E-07	-0.000095	0
262	Tren A6	LinDirHis	Max	0	0	0.000012	0.000159	0.000001501	0
262	Tren A6	LinDirHis	Min	0	0	-0.003376	-9.214E-07	-0.000095	0
263	Tren A6	LinDirHis	Max	0	0	0.000012	0.000178	0.000001468	0
263	Tren A6	LinDirHis	Min	0	0	-0.003189	-9.313E-07	-0.000096	0
264	Tren A6	LinDirHis	Max	0	0	0.000011	0.000195	0.00000137	0
264	Tren A6	LinDirHis	Min	0	0	-0.00298	-8.489E-07	-0.000097	0
265	Tren A6	LinDirHis	Max	0	0	0.000009908	0.000213	0.000001322	0
265	Tren A6	LinDirHis	Min	0	0	-0.002745	-8.306E-07	-0.000098	0
266	Tren A6	LinDirHis	Max	0	0	0.000008169	0.000222	0.000001184	0
266	Tren A6	LinDirHis	Min	0	0	-0.002507	-8.454E-07	-0.000096	0
267	Tren A6	LinDirHis	Max	0	0	0.000007215	0.000229	9.723E-07	0
267	Tren A6	LinDirHis	Min	0	0	-0.002255	-7.673E-07	-0.000097	0
268	Tren A6	LinDirHis	Max	0	0	0.000006174	0.000239	9.131E-07	0
268	Tren A6	LinDirHis	Min	0	0	-0.001978	-8.439E-07	-0.000095	0
269	Tren A6	LinDirHis	Max	0	0	0.000005262	0.000233	7.656E-07	0
269	Tren A6	LinDirHis	Min	0	0	-0.001726	-8.283E-07	-0.000086	0
270	Tren A6	LinDirHis	Max	0	0	0.000005143	0.000227	6.767E-07	0
270	Tren A6	LinDirHis	Min	0	0	-0.001461	-7.282E-07	-0.000092	0
271	Tren A6	LinDirHis	Max	0	0	0.000003957	0.000226	7.308E-07	0
271	Tren A6	LinDirHis	Min	0	0	-0.00118	-8.372E-07	-0.00008	0
272	Tren A6	LinDirHis	Max	0	0	0.000003338	0.000198	5.162E-07	0
272	Tren A6	LinDirHis	Min	0	0	-0.00097	-0.000000702	-0.000066	0
273	Tren A6	LinDirHis	Max	0	0	0.000003401	0.000179	4.929E-07	0
273	Tren A6	LinDirHis	Min	0	0	-0.00073	-5.684E-07	-0.000073	0
274	Tren A6	LinDirHis	Max	0	0	0.000001774	0.000159	5.464E-07	0
274	Tren A6	LinDirHis	Min	0	0	-0.00051	-6.669E-07	-0.000044	0
275	Tren A6	LinDirHis	Max	0	0	0.000002192	0.000102	2.368E-07	0
275	Tren A6	LinDirHis	Min	0	0	-0.000425	-5.189E-07	-0.000032	0
276	Tren A6	LinDirHis	Max	0	0	0.000002155	0.000067	5.922E-07	0
276	Tren A6	LinDirHis	Min	0	0	-0.000238	-0.000000387	-0.000054	0
277	Tren A6	LinDirHis	Max	0	0	0.000003792	0.000028	0.000003529	0

277	Tren A6	LinDirHis	Min	0	0	-0.000061	-4.588E-07	-0.000009626	0
278	Tren A6	LinDirHis	Max	0	0	9.402E-07	0.000032	3.963E-07	0
278	Tren A6	LinDirHis	Min	0	0	-0.000073	-4.381E-07	-0.000048	0
279	Tren A6	LinDirHis	Max	0	0	4.324E-11	0.000002496	0.000074	0
279	Tren A6	LinDirHis	Min	0	0	-0.000134	-1.122E-11	-0.000001306	0
280	Tren A6	LinDirHis	Max	0	0	6.641E-08	1.141E-12	0.000048	0
280	Tren A6	LinDirHis	Min	0	0	-0.000275	-0.000094	-0.000004428	0
283	Tren A6	LinDirHis	Max	0	0	0.000003286	1.044E-12	0.000034	0
283	Tren A6	LinDirHis	Min	0	0	-0.000426	-0.000113	-0.000001907	0
347	Tren A6	LinDirHis	Max	0	0	0.000002481	1.027E-07	0.000021	0
347	Tren A6	LinDirHis	Min	0	0	-0.000484	-0.000155	-0.000008563	0
378	Tren A6	LinDirHis	Max	0	0	3.195E-07	2.744E-07	0.000068	0
378	Tren A6	LinDirHis	Min	0	0	-0.000616	-0.000174	-0.000005693	0
379	Tren A6	LinDirHis	Max	0	0	0.000001342	1.148E-07	0.000051	0
379	Tren A6	LinDirHis	Min	0	0	-0.000811	-0.000185	-0.000006618	0
380	Tren A6	LinDirHis	Max	0	0	0.000001661	1.237E-07	0.000053	0
380	Tren A6	LinDirHis	Min	0	0	-0.000947	-0.000214	-0.000012	0
381	Tren A6	LinDirHis	Max	0	0	7.013E-07	2.342E-07	0.000079	0
381	Tren A6	LinDirHis	Min	0	0	-0.001141	-0.000222	-0.000012	0
383	Tren A6	LinDirHis	Max	0	0	0.00000159	1.802E-07	0.000064	0
383	Tren A6	LinDirHis	Min	0	0	-0.001355	-0.000228	-0.000015	0
388	Tren A6	LinDirHis	Max	0	0	0.000001607	2.367E-07	0.000071	0
388	Tren A6	LinDirHis	Min	0	0	-0.001531	-0.000242	-0.000019	0
389	Tren A6	LinDirHis	Max	0	0	0.000001648	3.492E-07	0.000081	0
389	Tren A6	LinDirHis	Min	0	0	-0.001747	-0.00024	-0.000021	0
390	Tren A6	LinDirHis	Max	0	0	0.000002255	2.607E-07	0.000075	0
390	Tren A6	LinDirHis	Min	0	0	-0.001962	-0.00024	-0.000024	0
391	Tren A6	LinDirHis	Max	0	0	0.000002997	3.378E-07	0.00008	0
391	Tren A6	LinDirHis	Min	0	0	-0.002161	-0.000242	-0.000028	0
392	Tren A6	LinDirHis	Max	0	0	0.000003104	3.393E-07	0.000082	0
392	Tren A6	LinDirHis	Min	0	0	-0.002376	-0.000232	-0.000031	0
393	Tren A6	LinDirHis	Max	0	0	0.00000381	0.000000303	0.000081	0
393	Tren A6	LinDirHis	Min	0	0	-0.002578	-0.000226	-0.000036	0
394	Tren A6	LinDirHis	Max	0	0	0.000004247	3.445E-07	0.000083	0
394	Tren A6	LinDirHis	Min	0	0	-0.002773	-0.000218	-0.000041	0
448	Tren A6	LinDirHis	Max	0	0	0.00000435	3.916E-07	0.000081	0
448	Tren A6	LinDirHis	Min	0	0	-0.002966	-0.000202	-0.000045	0
449	Tren A6	LinDirHis	Max	0	0	0.000004922	3.538E-07	0.000079	0
449	Tren A6	LinDirHis	Min	0	0	-0.003149	-0.000188	-0.000053	0
450	Tren A6	LinDirHis	Max	0	0	0.00000574	3.677E-07	0.000077	0
450	Tren A6	LinDirHis	Min	0	0	-0.003318	-0.000168	-0.000059	0
451	Tren A6	LinDirHis	Max	0	0	0.000006703	3.654E-07	0.000074	0
451	Tren A6	LinDirHis	Min	0	0	-0.003467	-0.000147	-0.000063	0
452	Tren A6	LinDirHis	Max	0	0	0.000008069	3.331E-07	0.000072	0
452	Tren A6	LinDirHis	Min	0	0	-0.003598	-0.000127	-0.000068	0
455	Tren A6	LinDirHis	Max	0	0	0.000009427	3.324E-07	0.000068	0
455	Tren A6	LinDirHis	Min	0	0	-0.003712	-0.000105	-0.000071	0
516	Tren A6	LinDirHis	Max	0	0	0.000011	2.869E-07	0.000064	0
516	Tren A6	LinDirHis	Min	0	0	-0.003807	-0.000081	-0.000073	0
517	Tren A6	LinDirHis	Max	0	0	0.000012	2.568E-07	0.000058	0

517	Tren A6	LinDirHis	Min	0	0	-0.003879	-0.000056	-0.000078	0
518	Tren A6	LinDirHis	Max	0	0	0.000012	2.292E-07	0.000051	0
518	Tren A6	LinDirHis	Min	0	0	-0.003925	-0.000034	-0.000082	0
519	Tren A6	LinDirHis	Max	0	0	0.000013	0.000003518	0.000046	0
519	Tren A6	LinDirHis	Min	0	0	-0.003942	-0.000013	-0.000085	0
527	Tren A6	LinDirHis	Max	0	0	0.000014	0.000028	0.000038	0
527	Tren A6	LinDirHis	Min	0	0	-0.003931	-0.000005418	-0.000088	0
528	Tren A6	LinDirHis	Max	0	0	0.000014	0.000052	0.00003	0
528	Tren A6	LinDirHis	Min	0	0	-0.003889	-0.000003402	-0.000091	0
529	Tren A6	LinDirHis	Max	0	0	0.000014	0.000078	0.000025	0
529	Tren A6	LinDirHis	Min	0	0	-0.003822	-0.000002098	-0.000092	0
531	Tren A6	LinDirHis	Max	0	0	0.000014	0.000103	0.000017	0
531	Tren A6	LinDirHis	Min	0	0	-0.00373	-0.000001473	-0.000094	0
532	Tren A6	LinDirHis	Max	0	0	0.000013	0.000126	0.000008866	0
532	Tren A6	LinDirHis	Min	0	0	-0.00361	-0.000001063	-0.000095	0
533	Tren A6	LinDirHis	Max	0	0	0.000013	0.00015	0.000002028	0
533	Tren A6	LinDirHis	Min	0	0	-0.003461	-0.000001009	-0.000094	0
539	Tren A6	LinDirHis	Max	0	0	0.000012	0.000172	0.00000139	0
539	Tren A6	LinDirHis	Min	0	0	-0.003289	-9.362E-07	-0.000097	0
540	Tren A6	LinDirHis	Max	0	0	0.000011	0.000191	0.000001259	0
540	Tren A6	LinDirHis	Min	0	0	-0.003095	-9.201E-07	-0.000097	0
541	Tren A6	LinDirHis	Max	0	0	0.000009527	0.000209	0.000001166	0
541	Tren A6	LinDirHis	Min	0	0	-0.002874	-9.505E-07	-0.0001	0
542	Tren A6	LinDirHis	Max	0	0	0.000008422	0.000223	0.000001145	0
542	Tren A6	LinDirHis	Min	0	0	-0.002637	-9.627E-07	-0.000098	0
543	Tren A6	LinDirHis	Max	0	0	0.000007269	0.000229	0.000001007	0
543	Tren A6	LinDirHis	Min	0	0	-0.002398	-7.956E-07	-0.000096	0
544	Tren A6	LinDirHis	Max	0	0	0.000006577	0.000239	8.804E-07	0
544	Tren A6	LinDirHis	Min	0	0	-0.002131	-7.632E-07	-0.000097	0
545	Tren A6	LinDirHis	Max	0	0	0.000005594	0.000242	8.206E-07	0
545	Tren A6	LinDirHis	Min	0	0	-0.001865	-8.211E-07	-0.000087	0
546	Tren A6	LinDirHis	Max	0	0	0.000005009	0.000232	6.761E-07	0
546	Tren A6	LinDirHis	Min	0	0	-0.001614	-7.758E-07	-0.000085	0
547	Tren A6	LinDirHis	Max	0	0	0.000004601	0.000232	0.000000645	0
547	Tren A6	LinDirHis	Min	0	0	-0.001328	-7.667E-07	-0.000087	0
548	Tren A6	LinDirHis	Max	0	0	0.000003422	0.000218	5.942E-07	0
548	Tren A6	LinDirHis	Min	0	0	-0.001082	-8.468E-07	-0.000063	0
549	Tren A6	LinDirHis	Max	0	0	0.000003125	0.00019	4.242E-07	0
549	Tren A6	LinDirHis	Min	0	0	-0.000868	-7.039E-07	-0.000068	0
550	Tren A6	LinDirHis	Max	0	0	0.000002615	0.000175	5.742E-07	0
550	Tren A6	LinDirHis	Min	0	0	-0.000615	-0.000000683	-0.000064	0
551	Tren A6	LinDirHis	Max	0	0	0.000001469	0.000136	3.357E-07	0
551	Tren A6	LinDirHis	Min	0	0	-0.000478	-7.008E-07	-0.000022	0
552	Tren A6	LinDirHis	Max	0	0	0.000002996	0.000083	0.000000302	0
552	Tren A6	LinDirHis	Min	0	0	-0.000356	-4.695E-07	-0.000054	0
553	Tren A6	LinDirHis	Max	0	0	0.000001015	0.000048	5.756E-07	0
553	Tren A6	LinDirHis	Min	0	0	-0.00017	-4.955E-07	-0.000038	0
556	Tren A6	LinDirHis	Max	0	0	4.992E-11	0.000003571	0.000081	0
556	Tren A6	LinDirHis	Min	0	0	-0.000155	-1.266E-11	-0.000001457	0
557	Tren A6	LinDirHis	Max	0	0	0.000002612	3.556E-07	0.000084	0

Apéndice G1				Flecha Dinámica Tren A6						V= 280 km/h
557	Tren A6	LinDirHis	Min	0	0	-0.002256	-0.000233	-0.000031	0	