

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	1.391E-11	0.000011	0.000034	0
140	Tren A6	LinDirHis	Min	0	0	-0.000385	-0.000004611	-5.31E-13	0
229	Tren A6	LinDirHis	Max	0	0	4.915E-12	2.079E-08	3.7E-12	0
229	Tren A6	LinDirHis	Min	0	0	-0.000335	-0.000087	-0.000039	0
230	Tren A6	LinDirHis	Max	0	0	1.1E-11	0.000000365	0.000002302	0
230	Tren A6	LinDirHis	Min	0	0	-0.000361	-0.000043	-0.000032	0
231	Tren A6	LinDirHis	Max	0	0	2.31E-12	1.428E-13	0.000042	0
231	Tren A6	LinDirHis	Min	0	0	-0.000271	-0.000113	-0.000034	0
232	Tren A6	LinDirHis	Max	0	0	0.000007376	6.186E-13	0.000073	0
232	Tren A6	LinDirHis	Min	0	0	-0.000479	-0.00013	-0.000015	0
233	Tren A6	LinDirHis	Max	0	0	0.000012	3.181E-13	0.00004	0
233	Tren A6	LinDirHis	Min	0	0	-0.000617	-0.000171	-0.000025	0
234	Tren A6	LinDirHis	Max	0	0	0.000003825	9.014E-07	0.000083	0
234	Tren A6	LinDirHis	Min	0	0	-0.00068	-0.000223	-0.000035	0
235	Tren A6	LinDirHis	Max	0	0	0.000003095	6.279E-07	0.000097	0
235	Tren A6	LinDirHis	Min	0	0	-0.000966	-0.000227	-0.000026	0
236	Tren A6	LinDirHis	Max	0	0	0.000007715	2.469E-07	0.000082	0
236	Tren A6	LinDirHis	Min	0	0	-0.001159	-0.000259	-0.000042	0
237	Tren A6	LinDirHis	Max	0	0	0.000004194	9.295E-07	0.000114	0
237	Tren A6	LinDirHis	Min	0	0	-0.001355	-0.000288	-0.000049	0
238	Tren A6	LinDirHis	Max	0	0	0.00000321	7.753E-07	0.000118	0
238	Tren A6	LinDirHis	Min	0	0	-0.001663	-0.000284	-0.000049	0
239	Tren A6	LinDirHis	Max	0	0	0.000006949	5.431E-07	0.000117	0
239	Tren A6	LinDirHis	Min	0	0	-0.001888	-0.000305	-0.000064	0
240	Tren A6	LinDirHis	Max	0	0	0.000006179	0.000001054	0.00014	0
240	Tren A6	LinDirHis	Min	0	0	-0.002142	-0.000314	-0.000071	0
241	Tren A6	LinDirHis	Max	0	0	0.000006025	0.000000965	0.000141	0
241	Tren A6	LinDirHis	Min	0	0	-0.002441	-0.000306	-0.000076	0
242	Tren A6	LinDirHis	Max	0	0	0.000009113	8.526E-07	0.000147	0
242	Tren A6	LinDirHis	Min	0	0	-0.002698	-0.000312	-0.00009	0
244	Tren A6	LinDirHis	Max	0	0	0.00001	0.000001105	0.000161	0
244	Tren A6	LinDirHis	Min	0	0	-0.003253	-0.000293	-0.000103	0
245	Tren A6	LinDirHis	Max	0	0	0.000013	0.000001042	0.000168	0
245	Tren A6	LinDirHis	Min	0	0	-0.003508	-0.000286	-0.000113	0
246	Tren A6	LinDirHis	Max	0	0	0.000014	0.000001239	0.000173	0
246	Tren A6	LinDirHis	Min	0	0	-0.003775	-0.000269	-0.000119	0
247	Tren A6	LinDirHis	Max	0	0	0.000016	0.000001138	0.000175	0
247	Tren A6	LinDirHis	Min	0	0	-0.004019	-0.000249	-0.000131	0
248	Tren A6	LinDirHis	Max	0	0	0.000019	0.000001032	0.000183	0
248	Tren A6	LinDirHis	Min	0	0	-0.00425	-0.000232	-0.000142	0
249	Tren A6	LinDirHis	Max	0	0	0.000021	0.00000111	0.000184	0
249	Tren A6	LinDirHis	Min	0	0	-0.004461	-0.000206	-0.00015	0
250	Tren A6	LinDirHis	Max	0	0	0.000024	0.000001043	0.000183	0
250	Tren A6	LinDirHis	Min	0	0	-0.004645	-0.000181	-0.000162	0
251	Tren A6	LinDirHis	Max	0	0	0.000029	0.00000102	0.000183	0
251	Tren A6	LinDirHis	Min	0	0	-0.004806	-0.000157	-0.000176	0
252	Tren A6	LinDirHis	Max	0	0	0.000032	0.000001029	0.000181	0

252	Tren A6	LinDirHis	Min	0	0	-0.004941	-0.000127	-0.000186	0
253	Tren A6	LinDirHis	Max	0	0	0.000035	8.762E-07	0.000177	0
253	Tren A6	LinDirHis	Min	0	0	-0.005047	-0.000098	-0.000195	0
254	Tren A6	LinDirHis	Max	0	0	0.000037	7.413E-07	0.000173	0
254	Tren A6	LinDirHis	Min	0	0	-0.005123	-0.00007	-0.000206	0
255	Tren A6	LinDirHis	Max	0	0	0.000039	0.000006208	0.000167	0
255	Tren A6	LinDirHis	Min	0	0	-0.005162	-0.000043	-0.000214	0
256	Tren A6	LinDirHis	Max	0	0	0.00004	0.000031	0.00016	0
256	Tren A6	LinDirHis	Min	0	0	-0.005168	-0.00002	-0.00022	0
257	Tren A6	LinDirHis	Max	0	0	0.000041	0.000059	0.000152	0
257	Tren A6	LinDirHis	Min	0	0	-0.005142	-0.000013	-0.000226	0
258	Tren A6	LinDirHis	Max	0	0	0.000042	0.00009	0.000142	0
258	Tren A6	LinDirHis	Min	0	0	-0.005074	-0.000007944	-0.000231	0
259	Tren A6	LinDirHis	Max	0	0	0.000042	0.000121	0.000132	0
259	Tren A6	LinDirHis	Min	0	0	-0.004971	-0.000005011	-0.000234	0
260	Tren A6	LinDirHis	Max	0	0	0.000041	0.000151	0.00012	0
260	Tren A6	LinDirHis	Min	0	0	-0.004829	-0.000003502	-0.000237	0
261	Tren A6	LinDirHis	Max	0	0	0.00004	0.000179	0.000107	0
261	Tren A6	LinDirHis	Min	0	0	-0.004646	-0.000002884	-0.000236	0
262	Tren A6	LinDirHis	Max	0	0	0.000039	0.000209	0.000094	0
262	Tren A6	LinDirHis	Min	0	0	-0.00443	-0.000002799	-0.000237	0
263	Tren A6	LinDirHis	Max	0	0	0.000036	0.000234	0.000078	0
263	Tren A6	LinDirHis	Min	0	0	-0.00419	-0.000002787	-0.000229	0
264	Tren A6	LinDirHis	Max	0	0	0.000033	0.000257	0.000063	0
264	Tren A6	LinDirHis	Min	0	0	-0.003917	-0.000002659	-0.00022	0
265	Tren A6	LinDirHis	Max	0	0	0.00003	0.000281	0.000054	0
265	Tren A6	LinDirHis	Min	0	0	-0.003618	-0.00000273	-0.000215	0
266	Tren A6	LinDirHis	Max	0	0	0.000025	0.000293	0.000042	0
266	Tren A6	LinDirHis	Min	0	0	-0.003317	-0.000002618	-0.000204	0
267	Tren A6	LinDirHis	Max	0	0	0.000022	0.000302	0.000026	0
267	Tren A6	LinDirHis	Min	0	0	-0.002985	-0.000002322	-0.000196	0
268	Tren A6	LinDirHis	Max	0	0	0.000019	0.000316	0.000019	0
268	Tren A6	LinDirHis	Min	0	0	-0.002622	-0.000002542	-0.000188	0
269	Tren A6	LinDirHis	Max	0	0	0.000016	0.000307	0.000009831	0
269	Tren A6	LinDirHis	Min	0	0	-0.0023	-0.000002523	-0.000166	0
270	Tren A6	LinDirHis	Max	0	0	0.000016	0.0003	0.000002048	0
270	Tren A6	LinDirHis	Min	0	0	-0.001939	-0.000002229	-0.000165	0
271	Tren A6	LinDirHis	Max	0	0	0.000012	0.000299	0.000002198	0
271	Tren A6	LinDirHis	Min	0	0	-0.001572	-0.000002545	-0.000146	0
272	Tren A6	LinDirHis	Max	0	0	0.00001	0.000261	0.000001598	0
272	Tren A6	LinDirHis	Min	0	0	-0.001309	-0.000002319	-0.000114	0
273	Tren A6	LinDirHis	Max	0	0	0.000011	0.000237	0.000001474	0
273	Tren A6	LinDirHis	Min	0	0	-0.000975	-0.000001909	-0.000121	0
274	Tren A6	LinDirHis	Max	0	0	0.000005741	0.000212	0.000001713	0
274	Tren A6	LinDirHis	Min	0	0	-0.000685	-0.000002217	-0.000085	0
275	Tren A6	LinDirHis	Max	0	0	0.000008148	0.000136	7.365E-07	0
275	Tren A6	LinDirHis	Min	0	0	-0.00058	-0.000001738	-0.000055	0
276	Tren A6	LinDirHis	Max	0	0	0.000007372	0.00009	0.000001963	0
276	Tren A6	LinDirHis	Min	0	0	-0.000322	-0.000001311	-0.000083	0
277	Tren A6	LinDirHis	Max	0	0	0.000013	0.000041	0.000004796	0

277	Tren A6	LinDirHis	Min	0	0	-0.000082	-0.000001528	-0.000017	0
278	Tren A6	LinDirHis	Max	0	0	0.000003601	0.000043	0.000001456	0
278	Tren A6	LinDirHis	Min	0	0	-0.000109	-0.000001585	-0.000072	0
279	Tren A6	LinDirHis	Max	0	0	1.559E-11	0.000004439	0.000109	0
279	Tren A6	LinDirHis	Min	0	0	-0.000195	-7.605E-07	-0.000001306	0
280	Tren A6	LinDirHis	Max	0	0	6.641E-08	3.662E-13	0.000072	0
280	Tren A6	LinDirHis	Min	0	0	-0.000384	-0.000124	-0.000013	0
283	Tren A6	LinDirHis	Max	0	0	0.000013	1.585E-13	0.00005	0
283	Tren A6	LinDirHis	Min	0	0	-0.000597	-0.00015	-0.000007093	0
347	Tren A6	LinDirHis	Max	0	0	0.000008276	3.786E-07	0.000045	0
347	Tren A6	LinDirHis	Min	0	0	-0.000647	-0.000207	-0.000028	0
378	Tren A6	LinDirHis	Max	0	0	0.000001141	8.971E-07	0.000103	0
378	Tren A6	LinDirHis	Min	0	0	-0.000836	-0.00023	-0.000021	0
379	Tren A6	LinDirHis	Max	0	0	0.000006659	3.853E-07	0.00008	0
379	Tren A6	LinDirHis	Min	0	0	-0.001099	-0.000246	-0.000025	0
380	Tren A6	LinDirHis	Max	0	0	0.000006394	5.567E-07	0.000092	0
380	Tren A6	LinDirHis	Min	0	0	-0.001257	-0.000284	-0.000043	0
381	Tren A6	LinDirHis	Max	0	0	0.000002679	9.923E-07	0.000124	0
381	Tren A6	LinDirHis	Min	0	0	-0.001528	-0.000293	-0.000041	0
383	Tren A6	LinDirHis	Max	0	0	0.000005525	6.049E-07	0.000109	0
383	Tren A6	LinDirHis	Min	0	0	-0.001799	-0.0003	-0.00005	0
388	Tren A6	LinDirHis	Max	0	0	0.000007014	8.458E-07	0.000125	0
388	Tren A6	LinDirHis	Min	0	0	-0.00202	-0.000319	-0.000064	0
389	Tren A6	LinDirHis	Max	0	0	0.000005519	0.000001146	0.00014	0
389	Tren A6	LinDirHis	Min	0	0	-0.002312	-0.000315	-0.000066	0
390	Tren A6	LinDirHis	Max	0	0	0.000007771	8.659E-07	0.000139	0
390	Tren A6	LinDirHis	Min	0	0	-0.002584	-0.000315	-0.000076	0
391	Tren A6	LinDirHis	Max	0	0	0.000009753	0.00000109	0.000153	0
391	Tren A6	LinDirHis	Min	0	0	-0.002848	-0.000318	-0.000087	0
392	Tren A6	LinDirHis	Max	0	0	0.000009798	0.000001252	0.000157	0
392	Tren A6	LinDirHis	Min	0	0	-0.003136	-0.000305	-0.000092	0
393	Tren A6	LinDirHis	Max	0	0	0.000012	0.000001047	0.000162	0
393	Tren A6	LinDirHis	Min	0	0	-0.003391	-0.000297	-0.000101	0
394	Tren A6	LinDirHis	Max	0	0	0.000014	0.000001224	0.000169	0
394	Tren A6	LinDirHis	Min	0	0	-0.003655	-0.000288	-0.00011	0
448	Tren A6	LinDirHis	Max	0	0	0.000015	0.000001284	0.00017	0
448	Tren A6	LinDirHis	Min	0	0	-0.003916	-0.000266	-0.000117	0
449	Tren A6	LinDirHis	Max	0	0	0.000017	0.00000108	0.000176	0
449	Tren A6	LinDirHis	Min	0	0	-0.00415	-0.000248	-0.00013	0
450	Tren A6	LinDirHis	Max	0	0	0.00002	0.000001118	0.00018	0
450	Tren A6	LinDirHis	Min	0	0	-0.004373	-0.000223	-0.00014	0
451	Tren A6	LinDirHis	Max	0	0	0.000022	0.000001122	0.000179	0
451	Tren A6	LinDirHis	Min	0	0	-0.004571	-0.000196	-0.00015	0
452	Tren A6	LinDirHis	Max	0	0	0.000027	0.00000104	0.00018	0
452	Tren A6	LinDirHis	Min	0	0	-0.00474	-0.000171	-0.000161	0
455	Tren A6	LinDirHis	Max	0	0	0.000031	0.000001062	0.000177	0
455	Tren A6	LinDirHis	Min	0	0	-0.004893	-0.000144	-0.000173	0
516	Tren A6	LinDirHis	Max	0	0	0.000034	9.829E-07	0.000175	0
516	Tren A6	LinDirHis	Min	0	0	-0.005012	-0.000114	-0.000183	0
517	Tren A6	LinDirHis	Max	0	0	0.000037	8.162E-07	0.000171	0

517	Tren A6	LinDirHis	Min	0	0	-0.005101	-0.000085	-0.000193	0
518	Tren A6	LinDirHis	Max	0	0	0.000038	6.977E-07	0.000165	0
518	Tren A6	LinDirHis	Min	0	0	-0.005162	-0.000057	-0.000203	0
519	Tren A6	LinDirHis	Max	0	0	0.00004	0.000019	0.000159	0
519	Tren A6	LinDirHis	Min	0	0	-0.005184	-0.00003	-0.000209	0
527	Tren A6	LinDirHis	Max	0	0	0.000041	0.000046	0.000152	0
527	Tren A6	LinDirHis	Min	0	0	-0.005173	-0.000016	-0.000217	0
528	Tren A6	LinDirHis	Max	0	0	0.000041	0.000076	0.000142	0
528	Tren A6	LinDirHis	Min	0	0	-0.005125	-0.00001	-0.000222	0
529	Tren A6	LinDirHis	Max	0	0	0.000042	0.000107	0.000133	0
529	Tren A6	LinDirHis	Min	0	0	-0.00504	-0.000006547	-0.000225	0
531	Tren A6	LinDirHis	Max	0	0	0.000042	0.000138	0.000122	0
531	Tren A6	LinDirHis	Min	0	0	-0.004919	-0.0000044	-0.000229	0
532	Tren A6	LinDirHis	Max	0	0	0.000041	0.000167	0.000109	0
532	Tren A6	LinDirHis	Min	0	0	-0.004757	-0.000003318	-0.00023	0
533	Tren A6	LinDirHis	Max	0	0	0.000039	0.000197	0.000097	0
533	Tren A6	LinDirHis	Min	0	0	-0.004557	-0.000002993	-0.00023	0
539	Tren A6	LinDirHis	Max	0	0	0.000037	0.000226	0.000083	0
539	Tren A6	LinDirHis	Min	0	0	-0.004326	-0.000003025	-0.000226	0
540	Tren A6	LinDirHis	Max	0	0	0.000035	0.00025	0.000066	0
540	Tren A6	LinDirHis	Min	0	0	-0.004068	-0.000002833	-0.000216	0
541	Tren A6	LinDirHis	Max	0	0	0.000032	0.000276	0.000055	0
541	Tren A6	LinDirHis	Min	0	0	-0.00378	-0.000002856	-0.000212	0
542	Tren A6	LinDirHis	Max	0	0	0.000027	0.000294	0.000044	0
542	Tren A6	LinDirHis	Min	0	0	-0.003483	-0.000002905	-0.000205	0
543	Tren A6	LinDirHis	Max	0	0	0.000023	0.000302	0.00003	0
543	Tren A6	LinDirHis	Min	0	0	-0.003172	-0.000002548	-0.000192	0
544	Tren A6	LinDirHis	Max	0	0	0.000021	0.000316	0.000018	0
544	Tren A6	LinDirHis	Min	0	0	-0.002814	-0.00000252	-0.00019	0
545	Tren A6	LinDirHis	Max	0	0	0.000018	0.000319	0.000013	0
545	Tren A6	LinDirHis	Min	0	0	-0.002474	-0.000002766	-0.000171	0
546	Tren A6	LinDirHis	Max	0	0	0.000016	0.000306	0.000002093	0
546	Tren A6	LinDirHis	Min	0	0	-0.002146	-0.000002451	-0.000156	0
547	Tren A6	LinDirHis	Max	0	0	0.000015	0.000307	0.000002091	0
547	Tren A6	LinDirHis	Min	0	0	-0.001759	-0.000002427	-0.000156	0
548	Tren A6	LinDirHis	Max	0	0	0.000011	0.000288	0.000001885	0
548	Tren A6	LinDirHis	Min	0	0	-0.001449	-0.00000266	-0.000119	0
549	Tren A6	LinDirHis	Max	0	0	0.000011	0.00025	0.000001339	0
549	Tren A6	LinDirHis	Min	0	0	-0.001174	-0.000002142	-0.000111	0
550	Tren A6	LinDirHis	Max	0	0	0.000008681	0.000233	0.00000182	0
550	Tren A6	LinDirHis	Min	0	0	-0.000825	-0.000002126	-0.000107	0
551	Tren A6	LinDirHis	Max	0	0	0.000004789	0.000181	0.000004162	0
551	Tren A6	LinDirHis	Min	0	0	-0.000649	-0.000002195	-0.000047	0
552	Tren A6	LinDirHis	Max	0	0	0.00000991	0.00011	9.617E-07	0
552	Tren A6	LinDirHis	Min	0	0	-0.000491	-0.00000148	-0.000075	0
553	Tren A6	LinDirHis	Max	0	0	0.000003828	0.000065	0.000001966	0
553	Tren A6	LinDirHis	Min	0	0	-0.000238	-0.000001569	-0.000055	0
556	Tren A6	LinDirHis	Max	0	0	1.501E-11	0.000007423	0.00012	0
556	Tren A6	LinDirHis	Min	0	0	-0.000226	-4.078E-12	-0.000001457	0
557	Tren A6	LinDirHis	Max	0	0	0.000009671	0.000001186	0.00016	0

Apéndice J1				Flecha Dinámica Tren A6						V= 80 km/h
557	Tren A6	LinDirHis	Min	0	0	-0.002977	-0.000305	-0.000095	0	