

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	LinDirHis	Max	0	0	9.3E-12	0.00001	0.000035	0
140	Tren A8	LinDirHis	Min	0	0	-0.000395	-0.000005152	-3.54E-13	0
229	Tren A8	LinDirHis	Max	0	0	8.928E-12	2.194E-08	3.51E-12	0
229	Tren A8	LinDirHis	Min	0	0	-0.000347	-0.000089	-0.000041	0
230	Tren A8	LinDirHis	Max	0	0	1.05E-11	3.853E-07	0.000002235	0
230	Tren A8	LinDirHis	Min	0	0	-0.000371	-0.000044	-0.00003	0
231	Tren A8	LinDirHis	Max	0	0	2.059E-12	2.776E-13	0.000043	0
231	Tren A8	LinDirHis	Min	0	0	-0.000276	-0.000115	-0.000036	0
232	Tren A8	LinDirHis	Max	0	0	0.000007786	3.223E-13	0.000075	0
232	Tren A8	LinDirHis	Min	0	0	-0.00049	-0.000133	-0.000016	0
233	Tren A8	LinDirHis	Max	0	0	0.000013	6.082E-13	0.000042	0
233	Tren A8	LinDirHis	Min	0	0	-0.000638	-0.000174	-0.000027	0
234	Tren A8	LinDirHis	Max	0	0	0.000004038	9.515E-07	0.000087	0
234	Tren A8	LinDirHis	Min	0	0	-0.000694	-0.000229	-0.000037	0
235	Tren A8	LinDirHis	Max	0	0	0.000003267	6.628E-07	0.000102	0
235	Tren A8	LinDirHis	Min	0	0	-0.000987	-0.000233	-0.000028	0
236	Tren A8	LinDirHis	Max	0	0	0.000008144	2.606E-07	0.000086	0
236	Tren A8	LinDirHis	Min	0	0	-0.001193	-0.000264	-0.000044	0
237	Tren A8	LinDirHis	Max	0	0	0.000004427	9.811E-07	0.000121	0
237	Tren A8	LinDirHis	Min	0	0	-0.001383	-0.000295	-0.000052	0
238	Tren A8	LinDirHis	Max	0	0	0.000003388	8.184E-07	0.000123	0
238	Tren A8	LinDirHis	Min	0	0	-0.001697	-0.000292	-0.000051	0
239	Tren A8	LinDirHis	Max	0	0	0.000007333	5.732E-07	0.000121	0
239	Tren A8	LinDirHis	Min	0	0	-0.001941	-0.000312	-0.000068	0
240	Tren A8	LinDirHis	Max	0	0	0.000006522	0.000001112	0.000145	0
240	Tren A8	LinDirHis	Min	0	0	-0.002191	-0.000323	-0.000075	0
241	Tren A8	LinDirHis	Max	0	0	0.000006361	0.000001019	0.000146	0
241	Tren A8	LinDirHis	Min	0	0	-0.002501	-0.000316	-0.00008	0
242	Tren A8	LinDirHis	Max	0	0	0.000009619	9.005E-07	0.000153	0
242	Tren A8	LinDirHis	Min	0	0	-0.002774	-0.000321	-0.000095	0
244	Tren A8	LinDirHis	Max	0	0	0.000011	0.000001167	0.000167	0
244	Tren A8	LinDirHis	Min	0	0	-0.003341	-0.000302	-0.000108	0
245	Tren A8	LinDirHis	Max	0	0	0.000014	0.0000011	0.000174	0
245	Tren A8	LinDirHis	Min	0	0	-0.003602	-0.000294	-0.00012	0
246	Tren A8	LinDirHis	Max	0	0	0.000015	0.000001308	0.000179	0
246	Tren A8	LinDirHis	Min	0	0	-0.003863	-0.000277	-0.000126	0
247	Tren A8	LinDirHis	Max	0	0	0.000017	0.000001201	0.000181	0
247	Tren A8	LinDirHis	Min	0	0	-0.004117	-0.000255	-0.000138	0
248	Tren A8	LinDirHis	Max	0	0	0.00002	0.00000109	0.00019	0
248	Tren A8	LinDirHis	Min	0	0	-0.004352	-0.000237	-0.00015	0
249	Tren A8	LinDirHis	Max	0	0	0.000022	0.000001172	0.00019	0
249	Tren A8	LinDirHis	Min	0	0	-0.004568	-0.000211	-0.000157	0
250	Tren A8	LinDirHis	Max	0	0	0.000026	0.000001101	0.00019	0
250	Tren A8	LinDirHis	Min	0	0	-0.004763	-0.000185	-0.000167	0
251	Tren A8	LinDirHis	Max	0	0	0.000031	0.000001077	0.00019	0
251	Tren A8	LinDirHis	Min	0	0	-0.004929	-0.00016	-0.000182	0
252	Tren A8	LinDirHis	Max	0	0	0.000034	0.000001087	0.000188	0

252	Tren A8	LinDirHis	Min	0	0	-0.005069	-0.00013	-0.000192	0
253	Tren A8	LinDirHis	Max	0	0	0.000037	9.253E-07	0.000184	0
253	Tren A8	LinDirHis	Min	0	0	-0.00518	-0.000101	-0.000201	0
254	Tren A8	LinDirHis	Max	0	0	0.00004	7.828E-07	0.000179	0
254	Tren A8	LinDirHis	Min	0	0	-0.005256	-0.000072	-0.000213	0
255	Tren A8	LinDirHis	Max	0	0	0.000041	0.00000645	0.000173	0
255	Tren A8	LinDirHis	Min	0	0	-0.005295	-0.000045	-0.000221	0
256	Tren A8	LinDirHis	Max	0	0	0.000042	0.000032	0.000166	0
256	Tren A8	LinDirHis	Min	0	0	-0.005304	-0.000021	-0.000228	0
257	Tren A8	LinDirHis	Max	0	0	0.000043	0.000062	0.000157	0
257	Tren A8	LinDirHis	Min	0	0	-0.005274	-0.000014	-0.000235	0
258	Tren A8	LinDirHis	Max	0	0	0.000044	0.000093	0.000147	0
258	Tren A8	LinDirHis	Min	0	0	-0.005203	-0.000008387	-0.00024	0
259	Tren A8	LinDirHis	Max	0	0	0.000044	0.000125	0.000137	0
259	Tren A8	LinDirHis	Min	0	0	-0.0051	-0.000005292	-0.000243	0
260	Tren A8	LinDirHis	Max	0	0	0.000043	0.000156	0.000124	0
260	Tren A8	LinDirHis	Min	0	0	-0.004954	-0.000003699	-0.000246	0
261	Tren A8	LinDirHis	Max	0	0	0.000042	0.000185	0.000111	0
261	Tren A8	LinDirHis	Min	0	0	-0.004772	-0.000003046	-0.000245	0
262	Tren A8	LinDirHis	Max	0	0	0.000041	0.000215	0.000098	0
262	Tren A8	LinDirHis	Min	0	0	-0.004554	-0.000002956	-0.000246	0
263	Tren A8	LinDirHis	Max	0	0	0.000038	0.000241	0.000081	0
263	Tren A8	LinDirHis	Min	0	0	-0.004299	-0.000002943	-0.000238	0
264	Tren A8	LinDirHis	Max	0	0	0.000035	0.000263	0.000065	0
264	Tren A8	LinDirHis	Min	0	0	-0.004018	-0.000002807	-0.000228	0
265	Tren A8	LinDirHis	Max	0	0	0.000031	0.000287	0.000056	0
265	Tren A8	LinDirHis	Min	0	0	-0.003704	-0.000002884	-0.000223	0
266	Tren A8	LinDirHis	Max	0	0	0.000026	0.000299	0.000044	0
266	Tren A8	LinDirHis	Min	0	0	-0.003387	-0.000002765	-0.000212	0
267	Tren A8	LinDirHis	Max	0	0	0.000023	0.000309	0.000027	0
267	Tren A8	LinDirHis	Min	0	0	-0.003049	-0.000002452	-0.000204	0
268	Tren A8	LinDirHis	Max	0	0	0.00002	0.000323	0.00002	0
268	Tren A8	LinDirHis	Min	0	0	-0.002678	-0.000002684	-0.000196	0
269	Tren A8	LinDirHis	Max	0	0	0.000017	0.000314	0.00001	0
269	Tren A8	LinDirHis	Min	0	0	-0.002348	-0.000002665	-0.000171	0
270	Tren A8	LinDirHis	Max	0	0	0.000017	0.000307	0.000002163	0
270	Tren A8	LinDirHis	Min	0	0	-0.001981	-0.000002355	-0.000169	0
271	Tren A8	LinDirHis	Max	0	0	0.000013	0.000305	0.000002321	0
271	Tren A8	LinDirHis	Min	0	0	-0.001604	-0.000002688	-0.000151	0
272	Tren A8	LinDirHis	Max	0	0	0.000011	0.000267	0.000001687	0
272	Tren A8	LinDirHis	Min	0	0	-0.001336	-0.00000245	-0.000116	0
273	Tren A8	LinDirHis	Max	0	0	0.000011	0.000242	0.000001556	0
273	Tren A8	LinDirHis	Min	0	0	-0.000998	-0.000002016	-0.000125	0
274	Tren A8	LinDirHis	Max	0	0	0.000006063	0.000216	0.000001809	0
274	Tren A8	LinDirHis	Min	0	0	-0.000698	-0.000002342	-0.000087	0
275	Tren A8	LinDirHis	Max	0	0	0.000008601	0.000139	7.778E-07	0
275	Tren A8	LinDirHis	Min	0	0	-0.000597	-0.000001836	-0.000055	0
276	Tren A8	LinDirHis	Max	0	0	0.000007784	0.000092	0.000002072	0
276	Tren A8	LinDirHis	Min	0	0	-0.000335	-0.000001385	-0.000086	0
277	Tren A8	LinDirHis	Max	0	0	0.000013	0.000042	0.000002339	0

277	Tren A8	LinDirHis	Min	0	0	-0.000096	-0.000001614	-0.000017	0
278	Tren A8	LinDirHis	Max	0	0	0.0000038	0.000045	0.000001538	0
278	Tren A8	LinDirHis	Min	0	0	-0.000118	-0.000001675	-0.000073	0
279	Tren A8	LinDirHis	Max	0	0	9.749E-12	0.00000478	0.000111	0
279	Tren A8	LinDirHis	Min	0	0	-0.000205	-9.049E-07	-0.000001379	0
280	Tren A8	LinDirHis	Max	0	0	7.01E-08	2.335E-13	0.000075	0
280	Tren A8	LinDirHis	Min	0	0	-0.00039	-0.000127	-0.000013	0
283	Tren A8	LinDirHis	Max	0	0	0.000013	5.032E-14	0.000052	0
283	Tren A8	LinDirHis	Min	0	0	-0.000614	-0.000153	-0.000007487	0
347	Tren A8	LinDirHis	Max	0	0	0.000008735	3.996E-07	0.000046	0
347	Tren A8	LinDirHis	Min	0	0	-0.00067	-0.000211	-0.00003	0
378	Tren A8	LinDirHis	Max	0	0	0.000001204	9.469E-07	0.000108	0
378	Tren A8	LinDirHis	Min	0	0	-0.000853	-0.000235	-0.000022	0
379	Tren A8	LinDirHis	Max	0	0	0.000007029	4.067E-07	0.000084	0
379	Tren A8	LinDirHis	Min	0	0	-0.001125	-0.000251	-0.000027	0
380	Tren A8	LinDirHis	Max	0	0	0.000006749	5.876E-07	0.000097	0
380	Tren A8	LinDirHis	Min	0	0	-0.001292	-0.00029	-0.000045	0
381	Tren A8	LinDirHis	Max	0	0	0.000002828	0.000001047	0.00013	0
381	Tren A8	LinDirHis	Min	0	0	-0.00156	-0.0003	-0.000043	0
383	Tren A8	LinDirHis	Max	0	0	0.000005831	6.385E-07	0.000113	0
383	Tren A8	LinDirHis	Min	0	0	-0.001845	-0.000307	-0.000053	0
388	Tren A8	LinDirHis	Max	0	0	0.000007402	8.928E-07	0.00013	0
388	Tren A8	LinDirHis	Min	0	0	-0.002073	-0.000327	-0.000068	0
389	Tren A8	LinDirHis	Max	0	0	0.000005825	0.00000121	0.000145	0
389	Tren A8	LinDirHis	Min	0	0	-0.002361	-0.000324	-0.00007	0
390	Tren A8	LinDirHis	Max	0	0	0.000008202	9.144E-07	0.000144	0
390	Tren A8	LinDirHis	Min	0	0	-0.002656	-0.000324	-0.000081	0
391	Tren A8	LinDirHis	Max	0	0	0.00001	0.000001151	0.000159	0
391	Tren A8	LinDirHis	Min	0	0	-0.002925	-0.000327	-0.000092	0
392	Tren A8	LinDirHis	Max	0	0	0.00001	0.000001321	0.000163	0
392	Tren A8	LinDirHis	Min	0	0	-0.003216	-0.000314	-0.000098	0
393	Tren A8	LinDirHis	Max	0	0	0.000013	0.000001105	0.000168	0
393	Tren A8	LinDirHis	Min	0	0	-0.003491	-0.000305	-0.000107	0
394	Tren A8	LinDirHis	Max	0	0	0.000015	0.000001292	0.000175	0
394	Tren A8	LinDirHis	Min	0	0	-0.003747	-0.000295	-0.000117	0
448	Tren A8	LinDirHis	Max	0	0	0.000016	0.000001355	0.000176	0
448	Tren A8	LinDirHis	Min	0	0	-0.004006	-0.000273	-0.000123	0
449	Tren A8	LinDirHis	Max	0	0	0.000018	0.000001141	0.000182	0
449	Tren A8	LinDirHis	Min	0	0	-0.00425	-0.000254	-0.000138	0
450	Tren A8	LinDirHis	Max	0	0	0.000021	0.00000118	0.000186	0
450	Tren A8	LinDirHis	Min	0	0	-0.004477	-0.000228	-0.000147	0
451	Tren A8	LinDirHis	Max	0	0	0.000024	0.000001185	0.000186	0
451	Tren A8	LinDirHis	Min	0	0	-0.004685	-0.0002	-0.000155	0
452	Tren A8	LinDirHis	Max	0	0	0.000028	0.000001099	0.000186	0
452	Tren A8	LinDirHis	Min	0	0	-0.004865	-0.000175	-0.000166	0
455	Tren A8	LinDirHis	Max	0	0	0.000033	0.000001121	0.000184	0
455	Tren A8	LinDirHis	Min	0	0	-0.005017	-0.000147	-0.000179	0
516	Tren A8	LinDirHis	Max	0	0	0.000036	0.000001038	0.000181	0
516	Tren A8	LinDirHis	Min	0	0	-0.005143	-0.000117	-0.00019	0
517	Tren A8	LinDirHis	Max	0	0	0.000039	8.619E-07	0.000178	0

517	Tren A8	LinDirHis	Min	0	0	-0.005237	-0.000088	-0.0002	0
518	Tren A8	LinDirHis	Max	0	0	0.00004	7.367E-07	0.00017	0
518	Tren A8	LinDirHis	Min	0	0	-0.005295	-0.000059	-0.00021	0
519	Tren A8	LinDirHis	Max	0	0	0.000042	0.000019	0.000165	0
519	Tren A8	LinDirHis	Min	0	0	-0.005319	-0.000032	-0.000216	0
527	Tren A8	LinDirHis	Max	0	0	0.000043	0.000048	0.000158	0
527	Tren A8	LinDirHis	Min	0	0	-0.005307	-0.000017	-0.000225	0
528	Tren A8	LinDirHis	Max	0	0	0.000044	0.000078	0.000147	0
528	Tren A8	LinDirHis	Min	0	0	-0.005258	-0.000011	-0.000231	0
529	Tren A8	LinDirHis	Max	0	0	0.000044	0.00011	0.000138	0
529	Tren A8	LinDirHis	Min	0	0	-0.005172	-0.000006913	-0.000233	0
531	Tren A8	LinDirHis	Max	0	0	0.000044	0.000143	0.000126	0
531	Tren A8	LinDirHis	Min	0	0	-0.005046	-0.000004647	-0.000238	0
532	Tren A8	LinDirHis	Max	0	0	0.000043	0.000173	0.000113	0
532	Tren A8	LinDirHis	Min	0	0	-0.004882	-0.000003504	-0.000239	0
533	Tren A8	LinDirHis	Max	0	0	0.000041	0.000203	0.000101	0
533	Tren A8	LinDirHis	Min	0	0	-0.004684	-0.000003161	-0.000238	0
539	Tren A8	LinDirHis	Max	0	0	0.000039	0.000233	0.000086	0
539	Tren A8	LinDirHis	Min	0	0	-0.004444	-0.000003195	-0.000235	0
540	Tren A8	LinDirHis	Max	0	0	0.000037	0.000257	0.000069	0
540	Tren A8	LinDirHis	Min	0	0	-0.004177	-0.000002992	-0.000224	0
541	Tren A8	LinDirHis	Max	0	0	0.000034	0.000282	0.000057	0
541	Tren A8	LinDirHis	Min	0	0	-0.003879	-0.000003016	-0.000221	0
542	Tren A8	LinDirHis	Max	0	0	0.000029	0.000301	0.000046	0
542	Tren A8	LinDirHis	Min	0	0	-0.003558	-0.000003068	-0.000214	0
543	Tren A8	LinDirHis	Max	0	0	0.000024	0.000309	0.000031	0
543	Tren A8	LinDirHis	Min	0	0	-0.003239	-0.000002691	-0.0002	0
544	Tren A8	LinDirHis	Max	0	0	0.000022	0.000323	0.000018	0
544	Tren A8	LinDirHis	Min	0	0	-0.002878	-0.000002661	-0.000198	0
545	Tren A8	LinDirHis	Max	0	0	0.000018	0.000326	0.000014	0
545	Tren A8	LinDirHis	Min	0	0	-0.002524	-0.000002921	-0.000178	0
546	Tren A8	LinDirHis	Max	0	0	0.000017	0.000312	0.000002211	0
546	Tren A8	LinDirHis	Min	0	0	-0.002189	-0.000002589	-0.000162	0
547	Tren A8	LinDirHis	Max	0	0	0.000015	0.000314	0.000002208	0
547	Tren A8	LinDirHis	Min	0	0	-0.0018	-0.000002563	-0.000161	0
548	Tren A8	LinDirHis	Max	0	0	0.000011	0.000294	0.000001991	0
548	Tren A8	LinDirHis	Min	0	0	-0.001479	-0.000002809	-0.000121	0
549	Tren A8	LinDirHis	Max	0	0	0.000011	0.000256	0.000001414	0
549	Tren A8	LinDirHis	Min	0	0	-0.001196	-0.000002262	-0.000114	0
550	Tren A8	LinDirHis	Max	0	0	0.000009168	0.000237	0.000001921	0
550	Tren A8	LinDirHis	Min	0	0	-0.000845	-0.000002245	-0.000111	0
551	Tren A8	LinDirHis	Max	0	0	0.000005056	0.000185	0.000004318	0
551	Tren A8	LinDirHis	Min	0	0	-0.000663	-0.000002318	-0.000048	0
552	Tren A8	LinDirHis	Max	0	0	0.00001	0.000113	0.000001015	0
552	Tren A8	LinDirHis	Min	0	0	-0.000513	-0.000001564	-0.000078	0
553	Tren A8	LinDirHis	Max	0	0	0.000004044	0.000068	0.000002076	0
553	Tren A8	LinDirHis	Min	0	0	-0.000246	-0.000001657	-0.000057	0
556	Tren A8	LinDirHis	Max	0	0	9.521E-12	0.000007703	0.000123	0
556	Tren A8	LinDirHis	Min	0	0	-0.000235	-3.154E-12	-0.000001538	0
557	Tren A8	LinDirHis	Max	0	0	0.00001	0.000001252	0.000166	0

Apéndice V1				Flecha Dinámica Tren A8						V= 80 km/h
557	Tren A8	LinDirHis	Min	0	0	-0.003054	-0.000315	-0.000101	0	