

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 A9	LinDirHist	Max	0	0	6.396E-13	0.000042	0.000073	0
140	Tren A9	LinDirHist	Min	0	0	-0.000819	-0.000026	-0.000000269	0
229	Tren A9	LinDirHist	Max	0	0	1.55E-13	2.513E-08	0.000034	0
229	Tren A9	LinDirHist	Min	0	0	-0.000684	-0.000161	-0.000095	0
230	Tren A9	LinDirHist	Max	0	0	2.313E-13	0.000001059	0.000044	0
230	Tren A9	LinDirHist	Min	0	0	-0.00074	-0.000079	-0.000105	0
231	Tren A9	LinDirHist	Max	0	0	6.068E-14	9.823E-15	0.000144	0
231	Tren A9	LinDirHist	Min	0	0	-0.000506	-0.000214	-0.000138	0
232	Tren A9	LinDirHist	Max	0	0	0.000024	6.96E-15	0.000191	0
232	Tren A9	LinDirHist	Min	0	0	-0.000963	-0.000238	-0.000069	0
233	Tren A9	LinDirHist	Max	0	0	0.000039	1.126E-14	0.000123	0
233	Tren A9	LinDirHist	Min	0	0	-0.001232	-0.000313	-0.000107	0
234	Tren A9	LinDirHist	Max	0	0	0.000012	0.000002896	0.000235	0
234	Tren A9	LinDirHist	Min	0	0	-0.001267	-0.000414	-0.000152	0
235	Tren A9	LinDirHist	Max	0	0	0.000012	0.000001949	0.000253	0
235	Tren A9	LinDirHist	Min	0	0	-0.001853	-0.00041	-0.000106	0
236	Tren A9	LinDirHist	Max	0	0	0.000027	7.192E-07	0.00024	0
236	Tren A9	LinDirHist	Min	0	0	-0.002199	-0.000468	-0.000166	0
237	Tren A9	LinDirHist	Max	0	0	0.000014	0.000003031	0.000331	0
237	Tren A9	LinDirHist	Min	0	0	-0.002481	-0.000524	-0.0002	0
238	Tren A9	LinDirHist	Max	0	0	0.000009815	0.000002425	0.000331	0
238	Tren A9	LinDirHist	Min	0	0	-0.00308	-0.000505	-0.000186	0
239	Tren A9	LinDirHist	Max	0	0	0.000022	0.000001585	0.000354	0
239	Tren A9	LinDirHist	Min	0	0	-0.003455	-0.000543	-0.000248	0
240	Tren A9	LinDirHist	Max	0	0	0.000019	0.000003267	0.000418	0
240	Tren A9	LinDirHist	Min	0	0	-0.003855	-0.000561	-0.000276	0
241	Tren A9	LinDirHist	Max	0	0	0.000017	0.000002897	0.00042	0
241	Tren A9	LinDirHist	Min	0	0	-0.004412	-0.000538	-0.000285	0
242	Tren A9	LinDirHist	Max	0	0	0.000027	0.000002391	0.000457	0
242	Tren A9	LinDirHist	Min	0	0	-0.004823	-0.00055	-0.00034	0
244	Tren A9	LinDirHist	Max	0	0	0.000029	0.000003149	0.000502	0
244	Tren A9	LinDirHist	Min	0	0	-0.005765	-0.00051	-0.000384	0
245	Tren A9	LinDirHist	Max	0	0	0.000037	0.000002855	0.000537	0
245	Tren A9	LinDirHist	Min	0	0	-0.006163	-0.000501	-0.000427	0
246	Tren A9	LinDirHist	Max	0	0	0.00004	0.000003475	0.000558	0
246	Tren A9	LinDirHist	Min	0	0	-0.006602	-0.00047	-0.000448	0
247	Tren A9	LinDirHist	Max	0	0	0.000043	0.000003133	0.000575	0
247	Tren A9	LinDirHist	Min	0	0	-0.007027	-0.000431	-0.000486	0
248	Tren A9	LinDirHist	Max	0	0	0.00005	0.000002773	0.000611	0
248	Tren A9	LinDirHist	Min	0	0	-0.007396	-0.000404	-0.000529	0
249	Tren A9	LinDirHist	Max	0	0	0.000056	0.000003029	0.000622	0
249	Tren A9	LinDirHist	Min	0	0	-0.007767	-0.000361	-0.000556	0
250	Tren A9	LinDirHist	Max	0	0	0.000065	0.000002813	0.000632	0
250	Tren A9	LinDirHist	Min	0	0	-0.008091	-0.000318	-0.000583	0
251	Tren A9	LinDirHist	Max	0	0	0.000077	0.000002707	0.000645	0
251	Tren A9	LinDirHist	Min	0	0	-0.00835	-0.000278	-0.000612	0
252	Tren A9	LinDirHist	Max	0	0	0.000085	0.000002981	0.000647	0

252	Tren A9	LinDirHist	Min	0	0	-0.008581	-0.000228	-0.000631	0
253	Tren A9	LinDirHist	Max	0	0	0.000092	0.000008262	0.000649	0
253	Tren A9	LinDirHist	Min	0	0	-0.008756	-0.000183	-0.000652	0
254	Tren A9	LinDirHist	Max	0	0	0.000098	0.00002	0.000648	0
254	Tren A9	LinDirHist	Min	0	0	-0.008872	-0.000144	-0.000672	0
255	Tren A9	LinDirHist	Max	0	0	0.000101	0.000054	0.000638	0
255	Tren A9	LinDirHist	Min	0	0	-0.008943	-0.000106	-0.000683	0
256	Tren A9	LinDirHist	Max	0	0	0.000106	0.000093	0.000629	0
256	Tren A9	LinDirHist	Min	0	0	-0.008952	-0.000071	-0.000694	0
257	Tren A9	LinDirHist	Max	0	0	0.000108	0.000136	0.000616	0
257	Tren A9	LinDirHist	Min	0	0	-0.008898	-0.000037	-0.000703	0
258	Tren A9	LinDirHist	Max	0	0	0.000108	0.000182	0.000595	0
258	Tren A9	LinDirHist	Min	0	0	-0.008794	-0.00002	-0.000703	0
259	Tren A9	LinDirHist	Max	0	0	0.000109	0.000231	0.000575	0
259	Tren A9	LinDirHist	Min	0	0	-0.00862	-0.000013	-0.000704	0
260	Tren A9	LinDirHist	Max	0	0	0.000107	0.000278	0.000548	0
260	Tren A9	LinDirHist	Min	0	0	-0.008382	-0.000009165	-0.000699	0
261	Tren A9	LinDirHist	Max	0	0	0.000104	0.000321	0.000514	0
261	Tren A9	LinDirHist	Min	0	0	-0.008086	-0.000007482	-0.000687	0
262	Tren A9	LinDirHist	Max	0	0	0.0001	0.00037	0.000484	0
262	Tren A9	LinDirHist	Min	0	0	-0.007704	-0.000007328	-0.000677	0
263	Tren A9	LinDirHist	Max	0	0	0.000094	0.000408	0.00044	0
263	Tren A9	LinDirHist	Min	0	0	-0.007294	-0.000007234	-0.000646	0
264	Tren A9	LinDirHist	Max	0	0	0.000087	0.000444	0.000393	0
264	Tren A9	LinDirHist	Min	0	0	-0.006842	-0.000006931	-0.000613	0
265	Tren A9	LinDirHist	Max	0	0	0.000077	0.000487	0.000371	0
265	Tren A9	LinDirHist	Min	0	0	-0.006298	-0.000007144	-0.000597	0
266	Tren A9	LinDirHist	Max	0	0	0.000065	0.000503	0.000329	0
266	Tren A9	LinDirHist	Min	0	0	-0.005799	-0.000006801	-0.000557	0
267	Tren A9	LinDirHist	Max	0	0	0.000058	0.000517	0.000279	0
267	Tren A9	LinDirHist	Min	0	0	-0.005266	-0.000006024	-0.000529	0
268	Tren A9	LinDirHist	Max	0	0	0.000051	0.000549	0.000263	0
268	Tren A9	LinDirHist	Min	0	0	-0.004616	-0.000006675	-0.000507	0
269	Tren A9	LinDirHist	Max	0	0	0.000042	0.000531	0.000213	0
269	Tren A9	LinDirHist	Min	0	0	-0.004106	-0.000006636	-0.00044	0
270	Tren A9	LinDirHist	Max	0	0	0.000041	0.00052	0.000157	0
270	Tren A9	LinDirHist	Min	0	0	-0.003508	-0.00000585	-0.000416	0
271	Tren A9	LinDirHist	Max	0	0	0.000033	0.000528	0.000161	0
271	Tren A9	LinDirHist	Min	0	0	-0.002814	-0.000006706	-0.000382	0
272	Tren A9	LinDirHist	Max	0	0	0.000026	0.000459	0.000099	0
272	Tren A9	LinDirHist	Min	0	0	-0.002422	-0.000006146	-0.000291	0
273	Tren A9	LinDirHist	Max	0	0	0.000029	0.000418	0.000062	0
273	Tren A9	LinDirHist	Min	0	0	-0.001833	-0.000005041	-0.00029	0
274	Tren A9	LinDirHist	Max	0	0	0.000016	0.000385	0.000103	0
274	Tren A9	LinDirHist	Min	0	0	-0.001258	-0.000005969	-0.000237	0
275	Tren A9	LinDirHist	Max	0	0	0.000023	0.000248	0.000033	0
275	Tren A9	LinDirHist	Min	0	0	-0.001144	-0.000004733	-0.000146	0
276	Tren A9	LinDirHist	Max	0	0	0.000022	0.000167	0.000007833	0
276	Tren A9	LinDirHist	Min	0	0	-0.000646	-0.00000353	-0.000195	0
277	Tren A9	LinDirHist	Max	0	0	0.000052	0.000077	0.000021	0

277	Tren A9	LinDirHist	Min	0	0	-0.00024	-0.000004276	-0.000041	0
278	Tren A9	LinDirHist	Max	0	0	0.000011	0.000091	0.00000427	0
278	Tren A9	LinDirHist	Min	0	0	-0.000252	-0.000004415	-0.000141	0
279	Tren A9	LinDirHist	Max	0	0	4.901E-13	0.000014	0.000234	0
279	Tren A9	LinDirHist	Min	0	0	-0.000406	-0.000007175	-0.000001824	0
280	Tren A9	LinDirHist	Max	0	0	1.527E-07	5.069E-15	0.000174	0
280	Tren A9	LinDirHist	Min	0	0	-0.000758	-0.000227	-0.000047	0
283	Tren A9	LinDirHist	Max	0	0	0.00004	4.026E-15	0.000115	0
283	Tren A9	LinDirHist	Min	0	0	-0.001228	-0.000267	-0.000026	0
347	Tren A9	LinDirHist	Max	0	0	0.000027	0.000001266	0.00014	0
347	Tren A9	LinDirHist	Min	0	0	-0.00126	-0.00038	-0.000119	0
378	Tren A9	LinDirHist	Max	0	0	0.000003468	0.000002816	0.000254	0
378	Tren A9	LinDirHist	Min	0	0	-0.00159	-0.000419	-0.000083	0
379	Tren A9	LinDirHist	Max	0	0	0.000024	0.000001156	0.000209	0
379	Tren A9	LinDirHist	Min	0	0	-0.002122	-0.00044	-0.000096	0
380	Tren A9	LinDirHist	Max	0	0	0.000021	0.000001842	0.000268	0
380	Tren A9	LinDirHist	Min	0	0	-0.002341	-0.000515	-0.000172	0
381	Tren A9	LinDirHist	Max	0	0	0.000008256	0.000003178	0.000333	0
381	Tren A9	LinDirHist	Min	0	0	-0.002819	-0.000526	-0.000156	0
383	Tren A9	LinDirHist	Max	0	0	0.000018	0.000001811	0.000312	0
383	Tren A9	LinDirHist	Min	0	0	-0.003333	-0.000533	-0.00019	0
388	Tren A9	LinDirHist	Max	0	0	0.000022	0.000002562	0.000376	0
388	Tren A9	LinDirHist	Min	0	0	-0.003658	-0.000572	-0.000249	0
389	Tren A9	LinDirHist	Max	0	0	0.000016	0.000003481	0.000406	0
389	Tren A9	LinDirHist	Min	0	0	-0.004175	-0.000558	-0.000249	0
390	Tren A9	LinDirHist	Max	0	0	0.000022	0.000002483	0.000416	0
390	Tren A9	LinDirHist	Min	0	0	-0.004664	-0.000553	-0.000285	0
391	Tren A9	LinDirHist	Max	0	0	0.000028	0.000003111	0.000466	0
391	Tren A9	LinDirHist	Min	0	0	-0.005068	-0.000563	-0.00033	0
392	Tren A9	LinDirHist	Max	0	0	0.000027	0.000003628	0.00048	0
392	Tren A9	LinDirHist	Min	0	0	-0.005567	-0.000533	-0.000343	0
393	Tren A9	LinDirHist	Max	0	0	0.000033	0.000002923	0.000503	0
393	Tren A9	LinDirHist	Min	0	0	-0.005999	-0.000517	-0.000378	0
394	Tren A9	LinDirHist	Max	0	0	0.000039	0.000003387	0.000536	0
394	Tren A9	LinDirHist	Min	0	0	-0.006406	-0.000503	-0.000414	0
448	Tren A9	LinDirHist	Max	0	0	0.000041	0.000003565	0.000544	0
448	Tren A9	LinDirHist	Min	0	0	-0.006858	-0.000463	-0.000433	0
449	Tren A9	LinDirHist	Max	0	0	0.000046	0.000002962	0.000576	0
449	Tren A9	LinDirHist	Min	0	0	-0.007245	-0.000432	-0.000484	0
450	Tren A9	LinDirHist	Max	0	0	0.000053	0.000003018	0.000598	0
450	Tren A9	LinDirHist	Min	0	0	-0.007613	-0.00039	-0.000517	0
451	Tren A9	LinDirHist	Max	0	0	0.00006	0.000003054	0.000604	0
451	Tren A9	LinDirHist	Min	0	0	-0.00797	-0.000343	-0.000538	0
452	Tren A9	LinDirHist	Max	0	0	0.000072	0.00000276	0.000618	0
452	Tren A9	LinDirHist	Min	0	0	-0.008257	-0.000302	-0.000568	0
455	Tren A9	LinDirHist	Max	0	0	0.000082	0.000002824	0.000625	0
455	Tren A9	LinDirHist	Min	0	0	-0.008502	-0.000257	-0.000592	0
516	Tren A9	LinDirHist	Max	0	0	0.000088	0.00000551	0.000625	0
516	Tren A9	LinDirHist	Min	0	0	-0.00871	-0.000206	-0.00061	0
517	Tren A9	LinDirHist	Max	0	0	0.000096	0.000014	0.000628	0

517	Tren A9	LinDirHist	Min	0	0	-0.008852	-0.000165	-0.000631	0
518	Tren A9	LinDirHist	Max	0	0	0.0001	0.000036	0.00062	0
518	Tren A9	LinDirHist	Min	0	0	-0.008946	-0.000126	-0.000647	0
519	Tren A9	LinDirHist	Max	0	0	0.000104	0.000074	0.000612	0
519	Tren A9	LinDirHist	Min	0	0	-0.008988	-0.000088	-0.000656	0
527	Tren A9	LinDirHist	Max	0	0	0.000107	0.000116	0.000602	0
527	Tren A9	LinDirHist	Min	0	0	-0.008962	-0.000053	-0.000668	0
528	Tren A9	LinDirHist	Max	0	0	0.000108	0.000161	0.000582	0
528	Tren A9	LinDirHist	Min	0	0	-0.008885	-0.000027	-0.000672	0
529	Tren A9	LinDirHist	Max	0	0	0.000109	0.00021	0.000563	0
529	Tren A9	LinDirHist	Min	0	0	-0.008748	-0.000017	-0.000671	0
531	Tren A9	LinDirHist	Max	0	0	0.000109	0.000259	0.000541	0
531	Tren A9	LinDirHist	Min	0	0	-0.008538	-0.000011	-0.000672	0
532	Tren A9	LinDirHist	Max	0	0	0.000105	0.000303	0.000508	0
532	Tren A9	LinDirHist	Min	0	0	-0.008276	-0.000008645	-0.000662	0
533	Tren A9	LinDirHist	Max	0	0	0.000103	0.000351	0.00048	0
533	Tren A9	LinDirHist	Min	0	0	-0.007935	-0.000007829	-0.000652	0
539	Tren A9	LinDirHist	Max	0	0	0.000097	0.000399	0.000445	0
539	Tren A9	LinDirHist	Min	0	0	-0.007529	-0.000007868	-0.000635	0
540	Tren A9	LinDirHist	Max	0	0	0.00009	0.000435	0.000392	0
540	Tren A9	LinDirHist	Min	0	0	-0.007111	-0.00000735	-0.000595	0
541	Tren A9	LinDirHist	Max	0	0	0.000083	0.000479	0.000362	0
541	Tren A9	LinDirHist	Min	0	0	-0.006601	-0.000007395	-0.000579	0
542	Tren A9	LinDirHist	Max	0	0	0.000071	0.00051	0.000334	0
542	Tren A9	LinDirHist	Min	0	0	-0.006068	-0.000007564	-0.000556	0
543	Tren A9	LinDirHist	Max	0	0	0.00006	0.000518	0.000281	0
543	Tren A9	LinDirHist	Min	0	0	-0.00558	-0.000006673	-0.000512	0
544	Tren A9	LinDirHist	Max	0	0	0.000055	0.000547	0.00025	0
544	Tren A9	LinDirHist	Min	0	0	-0.004968	-0.000006535	-0.000498	0
545	Tren A9	LinDirHist	Max	0	0	0.000046	0.000556	0.000226	0
545	Tren A9	LinDirHist	Min	0	0	-0.004374	-0.000007242	-0.000449	0
546	Tren A9	LinDirHist	Max	0	0	0.000042	0.000529	0.000159	0
546	Tren A9	LinDirHist	Min	0	0	-0.003868	-0.000006409	-0.000394	0
547	Tren A9	LinDirHist	Max	0	0	0.000039	0.000539	0.00014	0
547	Tren A9	LinDirHist	Min	0	0	-0.003169	-0.000006376	-0.000386	0
548	Tren A9	LinDirHist	Max	0	0	0.000028	0.000512	0.000129	0
548	Tren A9	LinDirHist	Min	0	0	-0.002635	-0.000007041	-0.000302	0
549	Tren A9	LinDirHist	Max	0	0	0.000029	0.000442	0.000048	0
549	Tren A9	LinDirHist	Min	0	0	-0.002203	-0.000005683	-0.000254	0
550	Tren A9	LinDirHist	Max	0	0	0.000024	0.000421	0.000065	0
550	Tren A9	LinDirHist	Min	0	0	-0.001524	-0.000005669	-0.000253	0
551	Tren A9	LinDirHist	Max	0	0	0.000012	0.000336	0.000074	0
551	Tren A9	LinDirHist	Min	0	0	-0.001255	-0.000005972	-0.000131	0
552	Tren A9	LinDirHist	Max	0	0	0.000029	0.000207	0.000002565	0
552	Tren A9	LinDirHist	Min	0	0	-0.000986	-0.000003997	-0.000146	0
553	Tren A9	LinDirHist	Max	0	0	0.000011	0.000135	0.000005839	0
553	Tren A9	LinDirHist	Min	0	0	-0.00047	-0.000004272	-0.00012	0
556	Tren A9	LinDirHist	Max	0	0	5.202E-13	0.00002	0.000259	0
556	Tren A9	LinDirHist	Min	0	0	-0.000472	-0.000006415	-0.000002383	0
557	Tren A9	LinDirHist	Max	0	0	0.000028	0.000003466	0.000495	0

Apéndice C2				Flecha Dinámica Tren A9						V= 20 km/h
557	Tren A9	LinDirHist	Min	0	0	-0.005279	-0.000538	-0.000363	0	