

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 A2	LinDirHist	Max	0	0	6.933E-12	0.000031	0.000063	0
140	Tren A2	LinDirHist	Min	0	0	-0.000709	-0.000023	-2.562E-07	0
229	Tren A2	LinDirHist	Max	0	0	3.347E-12	2.393E-08	0.000021	0
229	Tren A2	LinDirHist	Min	0	0	-0.000589	-0.000142	-0.000075	0
230	Tren A2	LinDirHist	Max	0	0	5.911E-12	0.000001008	0.000038	0
230	Tren A2	LinDirHist	Min	0	0	-0.000649	-0.000071	-0.000078	0
231	Tren A2	LinDirHist	Max	0	0	3.147E-13	3.057E-13	0.000126	0
231	Tren A2	LinDirHist	Min	0	0	-0.000455	-0.000192	-0.000099	0
232	Tren A2	LinDirHist	Max	0	0	0.000023	2.605E-14	0.000159	0
232	Tren A2	LinDirHist	Min	0	0	-0.000852	-0.000213	-0.000047	0
233	Tren A2	LinDirHist	Max	0	0	0.000037	1.746E-14	0.000112	0
233	Tren A2	LinDirHist	Min	0	0	-0.001082	-0.000282	-0.000081	0
234	Tren A2	LinDirHist	Max	0	0	0.000011	0.000002759	0.0002	0
234	Tren A2	LinDirHist	Min	0	0	-0.001125	-0.00037	-0.000104	0
235	Tren A2	LinDirHist	Max	0	0	0.000011	0.000001856	0.000211	0
235	Tren A2	LinDirHist	Min	0	0	-0.001644	-0.000369	-0.000077	0
236	Tren A2	LinDirHist	Max	0	0	0.000025	0.000000685	0.000202	0
236	Tren A2	LinDirHist	Min	0	0	-0.001953	-0.000423	-0.000123	0
237	Tren A2	LinDirHist	Max	0	0	0.000013	0.000002887	0.000268	0
237	Tren A2	LinDirHist	Min	0	0	-0.00222	-0.000471	-0.00014	0
238	Tren A2	LinDirHist	Max	0	0	0.000009348	0.000002309	0.000264	0
238	Tren A2	LinDirHist	Min	0	0	-0.002757	-0.000457	-0.000135	0
239	Tren A2	LinDirHist	Max	0	0	0.000021	0.000001509	0.000277	0
239	Tren A2	LinDirHist	Min	0	0	-0.003099	-0.000493	-0.000178	0
240	Tren A2	LinDirHist	Max	0	0	0.000018	0.000003108	0.000319	0
240	Tren A2	LinDirHist	Min	0	0	-0.003472	-0.000507	-0.000193	0
241	Tren A2	LinDirHist	Max	0	0	0.000017	0.000002758	0.000316	0
241	Tren A2	LinDirHist	Min	0	0	-0.003977	-0.000488	-0.000203	0
242	Tren A2	LinDirHist	Max	0	0	0.000026	0.00000228	0.000338	0
242	Tren A2	LinDirHist	Min	0	0	-0.004356	-0.000499	-0.00024	0
244	Tren A2	LinDirHist	Max	0	0	0.000028	0.000002999	0.000358	0
244	Tren A2	LinDirHist	Min	0	0	-0.005226	-0.000464	-0.000269	0
245	Tren A2	LinDirHist	Max	0	0	0.000035	0.000002723	0.000377	0
245	Tren A2	LinDirHist	Min	0	0	-0.005596	-0.000455	-0.000296	0
246	Tren A2	LinDirHist	Max	0	0	0.000038	0.000003311	0.000384	0
246	Tren A2	LinDirHist	Min	0	0	-0.006005	-0.000427	-0.000307	0
247	Tren A2	LinDirHist	Max	0	0	0.000041	0.000002987	0.000388	0
247	Tren A2	LinDirHist	Min	0	0	-0.006396	-0.000393	-0.000334	0
248	Tren A2	LinDirHist	Max	0	0	0.000048	0.000002645	0.000406	0
248	Tren A2	LinDirHist	Min	0	0	-0.006735	-0.000367	-0.00036	0
249	Tren A2	LinDirHist	Max	0	0	0.000053	0.000002888	0.000406	0
249	Tren A2	LinDirHist	Min	0	0	-0.007076	-0.000328	-0.000377	0
250	Tren A2	LinDirHist	Max	0	0	0.000062	0.000002682	0.000409	0
250	Tren A2	LinDirHist	Min	0	0	-0.007369	-0.000288	-0.000395	0
251	Tren A2	LinDirHist	Max	0	0	0.000074	0.000002582	0.000417	0
251	Tren A2	LinDirHist	Min	0	0	-0.007604	-0.000252	-0.000411	0
252	Tren A2	LinDirHist	Max	0	0	0.000081	0.000002841	0.00042	0

252	Tren A2	LinDirHist	Min	0	0	-0.007817	-0.000206	-0.000422	0
253	Tren A2	LinDirHist	Max	0	0	0.000088	0.000007857	0.000421	0
253	Tren A2	LinDirHist	Min	0	0	-0.007977	-0.000161	-0.000433	0
254	Tren A2	LinDirHist	Max	0	0	0.000094	0.000019	0.000421	0
254	Tren A2	LinDirHist	Min	0	0	-0.008084	-0.000118	-0.000443	0
255	Tren A2	LinDirHist	Max	0	0	0.000097	0.000037	0.000416	0
255	Tren A2	LinDirHist	Min	0	0	-0.00815	-0.000074	-0.000449	0
256	Tren A2	LinDirHist	Max	0	0	0.000101	0.000061	0.000411	0
256	Tren A2	LinDirHist	Min	0	0	-0.008156	-0.000049	-0.000455	0
257	Tren A2	LinDirHist	Max	0	0	0.000103	0.000106	0.000403	0
257	Tren A2	LinDirHist	Min	0	0	-0.008109	-0.000032	-0.000458	0
258	Tren A2	LinDirHist	Max	0	0	0.000103	0.000153	0.000391	0
258	Tren A2	LinDirHist	Min	0	0	-0.008011	-0.000019	-0.000457	0
259	Tren A2	LinDirHist	Max	0	0	0.000104	0.000201	0.000378	0
259	Tren A2	LinDirHist	Min	0	0	-0.00785	-0.000012	-0.000456	0
260	Tren A2	LinDirHist	Max	0	0	0.000102	0.000245	0.000362	0
260	Tren A2	LinDirHist	Min	0	0	-0.007633	-0.000008744	-0.000451	0
261	Tren A2	LinDirHist	Max	0	0	0.000099	0.000287	0.00034	0
261	Tren A2	LinDirHist	Min	0	0	-0.007357	-0.000007138	-0.000442	0
262	Tren A2	LinDirHist	Max	0	0	0.000096	0.000333	0.00032	0
262	Tren A2	LinDirHist	Min	0	0	-0.007008	-0.000006991	-0.000433	0
263	Tren A2	LinDirHist	Max	0	0	0.000089	0.00037	0.000291	0
263	Tren A2	LinDirHist	Min	0	0	-0.006636	-0.000006902	-0.000419	0
264	Tren A2	LinDirHist	Max	0	0	0.000083	0.000404	0.000259	0
264	Tren A2	LinDirHist	Min	0	0	-0.006218	-0.000006613	-0.000403	0
265	Tren A2	LinDirHist	Max	0	0	0.000074	0.000442	0.000243	0
265	Tren A2	LinDirHist	Min	0	0	-0.005729	-0.000006816	-0.000398	0
266	Tren A2	LinDirHist	Max	0	0	0.000062	0.000459	0.000218	0
266	Tren A2	LinDirHist	Min	0	0	-0.005274	-0.00000649	-0.000377	0
267	Tren A2	LinDirHist	Max	0	0	0.000055	0.000473	0.000184	0
267	Tren A2	LinDirHist	Min	0	0	-0.004774	-0.000005748	-0.000363	0
268	Tren A2	LinDirHist	Max	0	0	0.000048	0.0005	0.000171	0
268	Tren A2	LinDirHist	Min	0	0	-0.004185	-0.000006369	-0.000353	0
269	Tren A2	LinDirHist	Max	0	0	0.00004	0.000484	0.00014	0
269	Tren A2	LinDirHist	Min	0	0	-0.003711	-0.000006334	-0.000311	0
270	Tren A2	LinDirHist	Max	0	0	0.000039	0.000474	0.000102	0
270	Tren A2	LinDirHist	Min	0	0	-0.003153	-0.000005583	-0.000302	0
271	Tren A2	LinDirHist	Max	0	0	0.000031	0.00048	0.000102	0
271	Tren A2	LinDirHist	Min	0	0	-0.002534	-0.000006397	-0.000278	0
272	Tren A2	LinDirHist	Max	0	0	0.000025	0.000417	0.000064	0
272	Tren A2	LinDirHist	Min	0	0	-0.002163	-0.000005866	-0.00022	0
273	Tren A2	LinDirHist	Max	0	0	0.000027	0.00038	0.000041	0
273	Tren A2	LinDirHist	Min	0	0	-0.001628	-0.000004811	-0.000225	0
274	Tren A2	LinDirHist	Max	0	0	0.000015	0.000347	0.000066	0
274	Tren A2	LinDirHist	Min	0	0	-0.001124	-0.000005695	-0.000175	0
275	Tren A2	LinDirHist	Max	0	0	0.000022	0.000223	0.000021	0
275	Tren A2	LinDirHist	Min	0	0	-0.001	-0.00000452	-0.000113	0
276	Tren A2	LinDirHist	Max	0	0	0.000021	0.00015	0.000005515	0
276	Tren A2	LinDirHist	Min	0	0	-0.000563	-0.000003371	-0.000159	0
277	Tren A2	LinDirHist	Max	0	0	0.000037	0.000067	0.00002	0

277	Tren A2	LinDirHist	Min	0	0	-0.000204	-0.000004083	-0.000033	0
278	Tren A2	LinDirHist	Max	0	0	0.00001	0.000077	0.000004073	0
278	Tren A2	LinDirHist	Min	0	0	-0.000214	-0.000004214	-0.000112	0
279	Tren A2	LinDirHist	Max	0	0	8.347E-12	0.000011	0.0002	0
279	Tren A2	LinDirHist	Min	0	0	-0.00036	-0.000006121	-0.000001737	0
280	Tren A2	LinDirHist	Max	0	0	1.455E-07	1.289E-13	0.000152	0
280	Tren A2	LinDirHist	Min	0	0	-0.000671	-0.000208	-0.000038	0
283	Tren A2	LinDirHist	Max	0	0	0.000038	9.2E-14	0.000101	0
283	Tren A2	LinDirHist	Min	0	0	-0.001066	-0.000244	-0.000022	0
347	Tren A2	LinDirHist	Max	0	0	0.000025	0.000001206	0.000116	0
347	Tren A2	LinDirHist	Min	0	0	-0.001101	-0.000344	-0.000084	0
378	Tren A2	LinDirHist	Max	0	0	0.000003303	0.000002682	0.000213	0
378	Tren A2	LinDirHist	Min	0	0	-0.001414	-0.000378	-0.000061	0
379	Tren A2	LinDirHist	Max	0	0	0.000023	0.000001101	0.000174	0
379	Tren A2	LinDirHist	Min	0	0	-0.001866	-0.0004	-0.000073	0
380	Tren A2	LinDirHist	Max	0	0	0.00002	0.000001754	0.000216	0
380	Tren A2	LinDirHist	Min	0	0	-0.002075	-0.000467	-0.000123	0
381	Tren A2	LinDirHist	Max	0	0	0.000007862	0.000003027	0.000266	0
381	Tren A2	LinDirHist	Min	0	0	-0.002518	-0.000475	-0.000112	0
383	Tren A2	LinDirHist	Max	0	0	0.000017	0.000001725	0.000244	0
383	Tren A2	LinDirHist	Min	0	0	-0.002976	-0.000484	-0.000138	0
388	Tren A2	LinDirHist	Max	0	0	0.000021	0.000002439	0.000287	0
388	Tren A2	LinDirHist	Min	0	0	-0.003281	-0.000518	-0.000176	0
389	Tren A2	LinDirHist	Max	0	0	0.000016	0.000003311	0.000306	0
389	Tren A2	LinDirHist	Min	0	0	-0.003756	-0.000505	-0.000176	0
390	Tren A2	LinDirHist	Max	0	0	0.000021	0.000002366	0.000309	0
390	Tren A2	LinDirHist	Min	0	0	-0.004199	-0.000503	-0.000203	0
391	Tren A2	LinDirHist	Max	0	0	0.000027	0.000002964	0.000338	0
391	Tren A2	LinDirHist	Min	0	0	-0.004577	-0.00051	-0.000231	0
392	Tren A2	LinDirHist	Max	0	0	0.000026	0.000003455	0.000341	0
392	Tren A2	LinDirHist	Min	0	0	-0.005038	-0.000484	-0.00024	0
393	Tren A2	LinDirHist	Max	0	0	0.000032	0.000002786	0.000354	0
393	Tren A2	LinDirHist	Min	0	0	-0.005435	-0.000471	-0.000264	0
394	Tren A2	LinDirHist	Max	0	0	0.000037	0.000003229	0.000369	0
394	Tren A2	LinDirHist	Min	0	0	-0.005816	-0.000458	-0.000285	0
448	Tren A2	LinDirHist	Max	0	0	0.000039	0.000003397	0.000368	0
448	Tren A2	LinDirHist	Min	0	0	-0.006235	-0.000421	-0.000298	0
449	Tren A2	LinDirHist	Max	0	0	0.000044	0.000002824	0.000383	0
449	Tren A2	LinDirHist	Min	0	0	-0.00659	-0.000393	-0.000332	0
450	Tren A2	LinDirHist	Max	0	0	0.000051	0.000002878	0.000389	0
450	Tren A2	LinDirHist	Min	0	0	-0.00693	-0.000355	-0.000351	0
451	Tren A2	LinDirHist	Max	0	0	0.000057	0.000002911	0.000392	0
451	Tren A2	LinDirHist	Min	0	0	-0.007255	-0.000311	-0.000365	0
452	Tren A2	LinDirHist	Max	0	0	0.000068	0.000002633	0.0004	0
452	Tren A2	LinDirHist	Min	0	0	-0.007512	-0.000274	-0.000383	0
455	Tren A2	LinDirHist	Max	0	0	0.000078	0.000002693	0.000405	0
455	Tren A2	LinDirHist	Min	0	0	-0.007738	-0.000232	-0.000396	0
516	Tren A2	LinDirHist	Max	0	0	0.000084	0.000005244	0.000407	0
516	Tren A2	LinDirHist	Min	0	0	-0.007928	-0.000185	-0.000406	0
517	Tren A2	LinDirHist	Max	0	0	0.000091	0.000013	0.000408	0

517	Tren A2	LinDirHist	Min	0	0	-0.008058	-0.000141	-0.000418	0
518	Tren A2	LinDirHist	Max	0	0	0.000096	0.000028	0.000405	0
518	Tren A2	LinDirHist	Min	0	0	-0.008146	-0.000097	-0.000426	0
519	Tren A2	LinDirHist	Max	0	0	0.000099	0.00005	0.0004	0
519	Tren A2	LinDirHist	Min	0	0	-0.008184	-0.000057	-0.000431	0
527	Tren A2	LinDirHist	Max	0	0	0.000102	0.000084	0.000394	0
527	Tren A2	LinDirHist	Min	0	0	-0.008161	-0.00004	-0.000436	0
528	Tren A2	LinDirHist	Max	0	0	0.000103	0.000131	0.000383	0
528	Tren A2	LinDirHist	Min	0	0	-0.008091	-0.000026	-0.000437	0
529	Tren A2	LinDirHist	Max	0	0	0.000104	0.000179	0.000371	0
529	Tren A2	LinDirHist	Min	0	0	-0.007962	-0.000016	-0.000435	0
531	Tren A2	LinDirHist	Max	0	0	0.000104	0.000227	0.000357	0
531	Tren A2	LinDirHist	Min	0	0	-0.00777	-0.000011	-0.000433	0
532	Tren A2	LinDirHist	Max	0	0	0.0001	0.000269	0.000337	0
532	Tren A2	LinDirHist	Min	0	0	-0.007529	-0.000008249	-0.000425	0
533	Tren A2	LinDirHist	Max	0	0	0.000098	0.000315	0.000318	0
533	Tren A2	LinDirHist	Min	0	0	-0.007214	-0.000007469	-0.000417	0
539	Tren A2	LinDirHist	Max	0	0	0.000093	0.00036	0.000295	0
539	Tren A2	LinDirHist	Min	0	0	-0.006846	-0.000007507	-0.000412	0
540	Tren A2	LinDirHist	Max	0	0	0.000086	0.000395	0.00026	0
540	Tren A2	LinDirHist	Min	0	0	-0.006461	-0.000007012	-0.000392	0
541	Tren A2	LinDirHist	Max	0	0	0.000079	0.000435	0.000239	0
541	Tren A2	LinDirHist	Min	0	0	-0.005998	-0.000007055	-0.000387	0
542	Tren A2	LinDirHist	Max	0	0	0.000068	0.000464	0.000221	0
542	Tren A2	LinDirHist	Min	0	0	-0.005518	-0.000007216	-0.000378	0
543	Tren A2	LinDirHist	Max	0	0	0.000058	0.000473	0.000187	0
543	Tren A2	LinDirHist	Min	0	0	-0.005063	-0.000006369	-0.000353	0
544	Tren A2	LinDirHist	Max	0	0	0.000052	0.000499	0.000165	0
544	Tren A2	LinDirHist	Min	0	0	-0.004499	-0.000006235	-0.00035	0
545	Tren A2	LinDirHist	Max	0	0	0.000044	0.000507	0.000149	0
545	Tren A2	LinDirHist	Min	0	0	-0.00396	-0.000006912	-0.000319	0
546	Tren A2	LinDirHist	Max	0	0	0.00004	0.000483	0.000105	0
546	Tren A2	LinDirHist	Min	0	0	-0.003482	-0.000006118	-0.000286	0
547	Tren A2	LinDirHist	Max	0	0	0.000037	0.00049	0.00009	0
547	Tren A2	LinDirHist	Min	0	0	-0.002849	-0.000006082	-0.000287	0
548	Tren A2	LinDirHist	Max	0	0	0.000027	0.000463	0.000083	0
548	Tren A2	LinDirHist	Min	0	0	-0.002364	-0.000006719	-0.000225	0
549	Tren A2	LinDirHist	Max	0	0	0.000027	0.000401	0.000033	0
549	Tren A2	LinDirHist	Min	0	0	-0.001956	-0.000005425	-0.000202	0
550	Tren A2	LinDirHist	Max	0	0	0.000023	0.00038	0.000042	0
550	Tren A2	LinDirHist	Min	0	0	-0.001355	-0.000005409	-0.0002	0
551	Tren A2	LinDirHist	Max	0	0	0.000012	0.0003	0.000049	0
551	Tren A2	LinDirHist	Min	0	0	-0.001095	-0.000005701	-0.000096	0
552	Tren A2	LinDirHist	Max	0	0	0.000028	0.000183	0.000002439	0
552	Tren A2	LinDirHist	Min	0	0	-0.000851	-0.000003818	-0.00013	0
553	Tren A2	LinDirHist	Max	0	0	0.000011	0.000115	0.000005564	0
553	Tren A2	LinDirHist	Min	0	0	-0.000396	-0.000004077	-0.000103	0
556	Tren A2	LinDirHist	Max	0	0	7.941E-12	0.000016	0.00022	0
556	Tren A2	LinDirHist	Min	0	0	-0.000415	-0.000005489	-0.00000227	0
557	Tren A2	LinDirHist	Max	0	0	0.000026	0.0000033	0.000358	0

Apéndice M				Flecha Dinámica Tren A2						V= 20 km/h
557	Tren A2	LinDirHist	Min	0	0	-0.004781	-0.000488	-0.000253	0	