

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	1.059E-11	0.000004079	0.000025	0
140	Tren A6	LinDirHis	Min	0	0	-0.000241	-0.00000164	-5.624E-13	0
229	Tren A6	LinDirHis	Max	0	0	9.903E-12	2.079E-08	3.893E-12	0
229	Tren A6	LinDirHis	Min	0	0	-0.000212	-0.000062	-0.000017	0
230	Tren A6	LinDirHis	Max	0	0	1.177E-11	2.754E-07	8.177E-07	0
230	Tren A6	LinDirHis	Min	0	0	-0.000227	-0.000031	-0.000016	0
231	Tren A6	LinDirHis	Max	0	0	4.681E-13	1.646E-12	0.000023	0
231	Tren A6	LinDirHis	Min	0	0	-0.000192	-0.00008	-0.000007269	0
232	Tren A6	LinDirHis	Max	0	0	0.000001878	7.065E-13	0.000048	0
232	Tren A6	LinDirHis	Min	0	0	-0.000324	-0.000093	-0.000004419	0
233	Tren A6	LinDirHis	Max	0	0	0.000002557	7.308E-13	0.000022	0
233	Tren A6	LinDirHis	Min	0	0	-0.000431	-0.000122	-0.000003985	0
234	Tren A6	LinDirHis	Max	0	0	7.193E-07	1.815E-07	0.00004	0
234	Tren A6	LinDirHis	Min	0	0	-0.000488	-0.000162	-0.000007229	0
235	Tren A6	LinDirHis	Max	0	0	3.473E-07	1.262E-07	0.000059	0
235	Tren A6	LinDirHis	Min	0	0	-0.00068	-0.000164	-0.000005165	0
236	Tren A6	LinDirHis	Max	0	0	0.000001439	5.655E-08	0.000049	0
236	Tren A6	LinDirHis	Min	0	0	-0.000835	-0.000187	-0.000009721	0
237	Tren A6	LinDirHis	Max	0	0	6.432E-07	1.593E-07	0.000064	0
237	Tren A6	LinDirHis	Min	0	0	-0.000977	-0.000209	-0.000011	0
238	Tren A6	LinDirHis	Max	0	0	5.842E-07	1.716E-07	0.000065	0
238	Tren A6	LinDirHis	Min	0	0	-0.001194	-0.000207	-0.000011	0
239	Tren A6	LinDirHis	Max	0	0	0.000001534	0.0000001	0.000057	0
239	Tren A6	LinDirHis	Min	0	0	-0.001366	-0.000221	-0.000015	0
240	Tren A6	LinDirHis	Max	0	0	0.000001182	1.897E-07	0.000076	0
240	Tren A6	LinDirHis	Min	0	0	-0.001551	-0.000229	-0.000017	0
241	Tren A6	LinDirHis	Max	0	0	0.000001246	2.366E-07	0.000074	0
241	Tren A6	LinDirHis	Min	0	0	-0.00177	-0.000224	-0.000021	0
242	Tren A6	LinDirHis	Max	0	0	0.000002157	2.145E-07	0.000073	0
242	Tren A6	LinDirHis	Min	0	0	-0.001964	-0.000227	-0.000024	0
244	Tren A6	LinDirHis	Max	0	0	0.000002453	2.648E-07	0.000073	0
244	Tren A6	LinDirHis	Min	0	0	-0.002365	-0.000215	-0.000029	0
245	Tren A6	LinDirHis	Max	0	0	0.000003003	2.756E-07	0.000078	0
245	Tren A6	LinDirHis	Min	0	0	-0.00256	-0.000208	-0.000036	0
246	Tren A6	LinDirHis	Max	0	0	0.000003734	3.212E-07	0.000075	0
246	Tren A6	LinDirHis	Min	0	0	-0.002747	-0.000196	-0.00004	0
247	Tren A6	LinDirHis	Max	0	0	0.000004206	2.519E-07	0.00007	0
247	Tren A6	LinDirHis	Min	0	0	-0.002923	-0.000181	-0.000042	0
248	Tren A6	LinDirHis	Max	0	0	0.00000441	2.642E-07	0.00007	0
248	Tren A6	LinDirHis	Min	0	0	-0.003083	-0.000168	-0.000047	0
249	Tren A6	LinDirHis	Max	0	0	0.000004892	2.983E-07	0.000072	0
249	Tren A6	LinDirHis	Min	0	0	-0.003247	-0.000149	-0.000051	0
250	Tren A6	LinDirHis	Max	0	0	0.000006258	2.569E-07	0.000067	0
250	Tren A6	LinDirHis	Min	0	0	-0.003383	-0.00013	-0.000061	0
251	Tren A6	LinDirHis	Max	0	0	0.000007869	2.365E-07	0.000063	0
251	Tren A6	LinDirHis	Min	0	0	-0.003499	-0.000111	-0.000062	0
252	Tren A6	LinDirHis	Max	0	0	0.000008689	2.674E-07	0.000053	0

252	Tren A6	LinDirHis	Min	0	0	-0.003596	-0.000089	-0.000063	0
253	Tren A6	LinDirHis	Max	0	0	0.000008792	2.389E-07	0.000052	0
253	Tren A6	LinDirHis	Min	0	0	-0.003671	-0.000065	-0.000066	0
254	Tren A6	LinDirHis	Max	0	0	0.000009147	1.821E-07	0.000051	0
254	Tren A6	LinDirHis	Min	0	0	-0.003734	-0.000042	-0.000072	0
255	Tren A6	LinDirHis	Max	0	0	0.00001	1.621E-07	0.000041	0
255	Tren A6	LinDirHis	Min	0	0	-0.003761	-0.00002	-0.000076	0
256	Tren A6	LinDirHis	Max	0	0	0.000011	0.000013	0.000033	0
256	Tren A6	LinDirHis	Min	0	0	-0.003761	-0.000006367	-0.000076	0
257	Tren A6	LinDirHis	Max	0	0	0.000011	0.000037	0.000025	0
257	Tren A6	LinDirHis	Min	0	0	-0.003734	-0.000003395	-0.000078	0
258	Tren A6	LinDirHis	Max	0	0	0.000009587	0.000061	0.000023	0
258	Tren A6	LinDirHis	Min	0	0	-0.003695	-0.000002229	-0.000076	0
259	Tren A6	LinDirHis	Max	0	0	0.000011	0.000086	0.000016	0
259	Tren A6	LinDirHis	Min	0	0	-0.003622	-0.000001329	-0.000084	0
260	Tren A6	LinDirHis	Max	0	0	0.000011	0.000109	0.000008212	0
260	Tren A6	LinDirHis	Min	0	0	-0.003517	-8.466E-07	-0.000083	0
261	Tren A6	LinDirHis	Max	0	0	0.000011	0.00013	0.000001286	0
261	Tren A6	LinDirHis	Min	0	0	-0.003385	-8.001E-07	-0.000085	0
262	Tren A6	LinDirHis	Max	0	0	0.000009906	0.000152	0.000001231	0
262	Tren A6	LinDirHis	Min	0	0	-0.003228	-0.000000677	-0.000089	0
263	Tren A6	LinDirHis	Max	0	0	0.000008773	0.000171	0.000001066	0
263	Tren A6	LinDirHis	Min	0	0	-0.003057	-7.674E-07	-0.000086	0
264	Tren A6	LinDirHis	Max	0	0	0.000008883	0.000187	0.000001048	0
264	Tren A6	LinDirHis	Min	0	0	-0.002856	-6.905E-07	-0.000084	0
265	Tren A6	LinDirHis	Max	0	0	0.000008123	0.000204	0.000001067	0
265	Tren A6	LinDirHis	Min	0	0	-0.00263	-6.873E-07	-0.000091	0
266	Tren A6	LinDirHis	Max	0	0	0.000006403	0.000213	0.000000971	0
266	Tren A6	LinDirHis	Min	0	0	-0.002401	-0.000000718	-0.000091	0
267	Tren A6	LinDirHis	Max	0	0	0.000005161	0.000219	7.524E-07	0
267	Tren A6	LinDirHis	Min	0	0	-0.002168	-5.951E-07	-0.00009	0
268	Tren A6	LinDirHis	Max	0	0	0.000004935	0.00023	6.525E-07	0
268	Tren A6	LinDirHis	Min	0	0	-0.001902	-0.000000596	-0.000085	0
269	Tren A6	LinDirHis	Max	0	0	0.000004387	0.000224	6.203E-07	0
269	Tren A6	LinDirHis	Min	0	0	-0.001657	-6.694E-07	-0.000077	0
270	Tren A6	LinDirHis	Max	0	0	0.00000425	0.000217	5.556E-07	0
270	Tren A6	LinDirHis	Min	0	0	-0.001399	-6.109E-07	-0.000087	0
271	Tren A6	LinDirHis	Max	0	0	0.000003206	0.000216	5.939E-07	0
271	Tren A6	LinDirHis	Min	0	0	-0.001128	-6.831E-07	-0.000075	0
272	Tren A6	LinDirHis	Max	0	0	0.000002579	0.000191	4.199E-07	0
272	Tren A6	LinDirHis	Min	0	0	-0.000933	-5.402E-07	-0.000058	0
273	Tren A6	LinDirHis	Max	0	0	0.000002355	0.000172	4.076E-07	0
273	Tren A6	LinDirHis	Min	0	0	-0.000698	-4.878E-07	-0.000066	0
274	Tren A6	LinDirHis	Max	0	0	0.000001464	0.000152	4.281E-07	0
274	Tren A6	LinDirHis	Min	0	0	-0.000489	-5.713E-07	-0.000042	0
275	Tren A6	LinDirHis	Max	0	0	0.000001981	0.000097	0.00000018	0
275	Tren A6	LinDirHis	Min	0	0	-0.000406	-4.433E-07	-0.000034	0
276	Tren A6	LinDirHis	Max	0	0	0.000001642	0.000064	4.861E-07	0
276	Tren A6	LinDirHis	Min	0	0	-0.000227	-3.242E-07	-0.000049	0
277	Tren A6	LinDirHis	Max	0	0	0.000003254	0.000024	1.301E-07	0

277	Tren A6	LinDirHis	Min	0	0	-0.000058	-3.673E-07	-0.000007749	0
278	Tren A6	LinDirHis	Max	0	0	8.334E-07	0.000031	2.942E-07	0
278	Tren A6	LinDirHis	Min	0	0	-0.000076	-3.486E-07	-0.000036	0
279	Tren A6	LinDirHis	Max	0	0	8.536E-12	0.000002132	0.00007	0
279	Tren A6	LinDirHis	Min	0	0	-0.000115	-1.628E-07	-0.000001306	0
280	Tren A6	LinDirHis	Max	0	0	6.641E-08	8.512E-13	0.000043	0
280	Tren A6	LinDirHis	Min	0	0	-0.000262	-0.000089	-0.000002726	0
283	Tren A6	LinDirHis	Max	0	0	0.000002798	2.281E-13	0.000031	0
283	Tren A6	LinDirHis	Min	0	0	-0.000409	-0.000107	-8.201E-07	0
347	Tren A6	LinDirHis	Max	0	0	0.00000168	8.483E-08	0.000021	0
347	Tren A6	LinDirHis	Min	0	0	-0.000469	-0.000148	-0.000006888	0
378	Tren A6	LinDirHis	Max	0	0	3.162E-07	1.619E-07	0.000066	0
378	Tren A6	LinDirHis	Min	0	0	-0.000586	-0.000167	-0.000005108	0
379	Tren A6	LinDirHis	Max	0	0	0.000001336	9.646E-08	0.000048	0
379	Tren A6	LinDirHis	Min	0	0	-0.000774	-0.000179	-0.000005459	0
380	Tren A6	LinDirHis	Max	0	0	0.0000011	1.189E-07	0.000046	0
380	Tren A6	LinDirHis	Min	0	0	-0.000911	-0.000205	-0.000009814	0
381	Tren A6	LinDirHis	Max	0	0	6.332E-07	1.699E-07	0.000074	0
381	Tren A6	LinDirHis	Min	0	0	-0.001093	-0.000212	-0.000008896	0
383	Tren A6	LinDirHis	Max	0	0	0.000001244	1.426E-07	0.000062	0
383	Tren A6	LinDirHis	Min	0	0	-0.001297	-0.000218	-0.000013	0
388	Tren A6	LinDirHis	Max	0	0	0.000001336	1.947E-07	0.000067	0
388	Tren A6	LinDirHis	Min	0	0	-0.001462	-0.000232	-0.000015	0
389	Tren A6	LinDirHis	Max	0	0	0.00000139	2.614E-07	0.000072	0
389	Tren A6	LinDirHis	Min	0	0	-0.001672	-0.000229	-0.000016	0
390	Tren A6	LinDirHis	Max	0	0	0.00000197	1.872E-07	0.000068	0
390	Tren A6	LinDirHis	Min	0	0	-0.001873	-0.00023	-0.00002	0
391	Tren A6	LinDirHis	Max	0	0	0.000001858	2.467E-07	0.000078	0
391	Tren A6	LinDirHis	Min	0	0	-0.002078	-0.000232	-0.000023	0
392	Tren A6	LinDirHis	Max	0	0	0.000002388	0.000000316	0.000076	0
392	Tren A6	LinDirHis	Min	0	0	-0.002281	-0.000223	-0.000028	0
393	Tren A6	LinDirHis	Max	0	0	0.000003183	2.412E-07	0.000075	0
393	Tren A6	LinDirHis	Min	0	0	-0.002471	-0.000216	-0.00003	0
394	Tren A6	LinDirHis	Max	0	0	0.000003471	0.000000261	0.000073	0
394	Tren A6	LinDirHis	Min	0	0	-0.00266	-0.00021	-0.000032	0
448	Tren A6	LinDirHis	Max	0	0	0.000003301	3.249E-07	0.000073	0
448	Tren A6	LinDirHis	Min	0	0	-0.002846	-0.000194	-0.000036	0
449	Tren A6	LinDirHis	Max	0	0	0.000004304	0.000000287	0.000073	0
449	Tren A6	LinDirHis	Min	0	0	-0.003022	-0.00018	-0.000047	0
450	Tren A6	LinDirHis	Max	0	0	0.000005286	2.627E-07	0.00007	0
450	Tren A6	LinDirHis	Min	0	0	-0.003178	-0.000161	-0.00005	0
451	Tren A6	LinDirHis	Max	0	0	0.000005981	2.751E-07	0.000064	0
451	Tren A6	LinDirHis	Min	0	0	-0.003324	-0.000141	-0.000051	0
452	Tren A6	LinDirHis	Max	0	0	0.000006772	2.788E-07	0.000062	0
452	Tren A6	LinDirHis	Min	0	0	-0.003446	-0.000122	-0.000056	0
455	Tren A6	LinDirHis	Max	0	0	0.00000728	0.000000289	0.000062	0
455	Tren A6	LinDirHis	Min	0	0	-0.003568	-0.000101	-0.00006	0
516	Tren A6	LinDirHis	Max	0	0	0.000008764	2.206E-07	0.000055	0
516	Tren A6	LinDirHis	Min	0	0	-0.003651	-0.000077	-0.000067	0
517	Tren A6	LinDirHis	Max	0	0	0.00001	2.136E-07	0.000049	0

517	Tren A6	LinDirHis	Min	0	0	-0.003712	-0.000054	-0.000068	0
518	Tren A6	LinDirHis	Max	0	0	0.00001	1.933E-07	0.000039	0
518	Tren A6	LinDirHis	Min	0	0	-0.003754	-0.000031	-0.00007	0
519	Tren A6	LinDirHis	Max	0	0	0.000009554	0.000002426	0.000038	0
519	Tren A6	LinDirHis	Min	0	0	-0.003775	-0.00001	-0.000069	0
527	Tren A6	LinDirHis	Max	0	0	0.00001	0.000026	0.000033	0
527	Tren A6	LinDirHis	Min	0	0	-0.003769	-0.000004288	-0.000077	0
528	Tren A6	LinDirHis	Max	0	0	0.000011	0.00005	0.000024	0
528	Tren A6	LinDirHis	Min	0	0	-0.003729	-0.000002842	-0.000079	0
529	Tren A6	LinDirHis	Max	0	0	0.000011	0.000074	0.000015	0
529	Tren A6	LinDirHis	Min	0	0	-0.003666	-0.000001781	-0.000077	0
531	Tren A6	LinDirHis	Max	0	0	0.000011	0.000099	0.000008148	0
531	Tren A6	LinDirHis	Min	0	0	-0.003576	-0.000001103	-0.00008	0
532	Tren A6	LinDirHis	Max	0	0	0.000009633	0.000121	0.000004497	0
532	Tren A6	LinDirHis	Min	0	0	-0.003473	-0.000000887	-0.000077	0
533	Tren A6	LinDirHis	Max	0	0	0.00001	0.000143	0.000001138	0
533	Tren A6	LinDirHis	Min	0	0	-0.003325	-7.994E-07	-0.000081	0
539	Tren A6	LinDirHis	Max	0	0	0.00001	0.000165	0.000001195	0
539	Tren A6	LinDirHis	Min	0	0	-0.003151	-8.204E-07	-0.000085	0
540	Tren A6	LinDirHis	Max	0	0	0.000009504	0.000183	0.00000115	0
540	Tren A6	LinDirHis	Min	0	0	-0.002964	-0.000000719	-0.000088	0
541	Tren A6	LinDirHis	Max	0	0	0.000007695	0.000201	0.000001044	0
541	Tren A6	LinDirHis	Min	0	0	-0.002756	-7.827E-07	-0.000089	0
542	Tren A6	LinDirHis	Max	0	0	0.000006954	0.000214	8.765E-07	0
542	Tren A6	LinDirHis	Min	0	0	-0.002533	-0.000000764	-0.000086	0
543	Tren A6	LinDirHis	Max	0	0	0.000006307	0.00022	8.321E-07	0
543	Tren A6	LinDirHis	Min	0	0	-0.002297	-6.534E-07	-0.000084	0
544	Tren A6	LinDirHis	Max	0	0	0.000005688	0.000229	7.629E-07	0
544	Tren A6	LinDirHis	Min	0	0	-0.002039	-6.788E-07	-0.000092	0
545	Tren A6	LinDirHis	Max	0	0	0.000004432	0.000232	7.071E-07	0
545	Tren A6	LinDirHis	Min	0	0	-0.001782	-7.494E-07	-0.000083	0
546	Tren A6	LinDirHis	Max	0	0	0.000003729	0.000223	0.000000529	0
546	Tren A6	LinDirHis	Min	0	0	-0.001549	-0.000000566	-0.000079	0
547	Tren A6	LinDirHis	Max	0	0	0.000003561	0.000222	5.286E-07	0
547	Tren A6	LinDirHis	Min	0	0	-0.00127	-0.000000592	-0.00008	0
548	Tren A6	LinDirHis	Max	0	0	0.000002826	0.000209	0.000000458	0
548	Tren A6	LinDirHis	Min	0	0	-0.001031	-6.985E-07	-0.000059	0
549	Tren A6	LinDirHis	Max	0	0	0.000002785	0.000182	3.516E-07	0
549	Tren A6	LinDirHis	Min	0	0	-0.000831	-0.000000577	-0.000066	0
550	Tren A6	LinDirHis	Max	0	0	0.000002261	0.000168	4.188E-07	0
550	Tren A6	LinDirHis	Min	0	0	-0.000593	-5.609E-07	-0.000061	0
551	Tren A6	LinDirHis	Max	0	0	0.000001335	0.00013	2.968E-07	0
551	Tren A6	LinDirHis	Min	0	0	-0.00046	-4.864E-07	-0.000018	0
552	Tren A6	LinDirHis	Max	0	0	0.000002381	0.00008	0.000000216	0
552	Tren A6	LinDirHis	Min	0	0	-0.000336	-3.819E-07	-0.00005	0
553	Tren A6	LinDirHis	Max	0	0	7.471E-07	0.000047	4.395E-07	0
553	Tren A6	LinDirHis	Min	0	0	-0.000159	-3.922E-07	-0.000038	0
556	Tren A6	LinDirHis	Max	0	0	8.832E-12	0.000003579	0.000078	0
556	Tren A6	LinDirHis	Min	0	0	-0.000134	-2.97E-12	-0.000001457	0
557	Tren A6	LinDirHis	Max	0	0	0.000002415	2.537E-07	0.000073	0

Apéndice F1				Flecha Dinámica Tren A6						V= 336 km/h
557	Tren A6	LinDirHis	Min	0	0	-0.002168	-0.000224	-0.000024	0	