SAP2000®

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SAP2000 Analysis Report

Model Name: modelo.sdb

24 junio 2025

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Table 30: Preferences - Cold Formed Design - AISI-16, Part 2 of 2 ..... **¡Error! Marcador no definido.**

1. Model geometry

This section provides model geometry information, including items such as joint coordinates, joint restraints, and element connectivity.

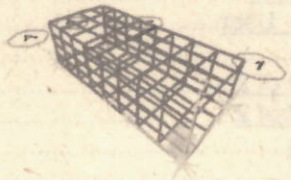


Figure 1: Finite element model

1.1. Joint coordinates

Table 1: Joint Coordinates

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
1	GLOBAL	Cartesian	0.	0.	0.
2	GLOBAL	Cartesian	0.	8.	0.
3	GLOBAL	Cartesian	0.	8.	2.35
4	GLOBAL	Cartesian	0.	0.	2.35
5	GLOBAL	Cartesian	3.35	0.	0.
6	GLOBAL	Cartesian	3.35	8.	0.
7	GLOBAL	Cartesian	3.35	8.	2.35
8	GLOBAL	Cartesian	3.35	0.	2.35
91	GLOBAL	Cartesian	0.8375	0.	0.
92	GLOBAL	Cartesian	0.8375	1.	0.
93	GLOBAL	Cartesian	0.	1.	0.
94	GLOBAL	Cartesian	0.8375	2.	0.
95	GLOBAL	Cartesian	0.	2.	0.
96	GLOBAL	Cartesian	0.8375	3.	0.
97	GLOBAL	Cartesian	0.	3.	0.
98	GLOBAL	Cartesian	0.8375	4.	0.
99	GLOBAL	Cartesian	0.	4.	0.
100	GLOBAL	Cartesian	0.8375	5.	0.
101	GLOBAL	Cartesian	0.	5.	0.
102	GLOBAL	Cartesian	0.8375	6.	0.
103	GLOBAL	Cartesian	0.	6.	0.
104	GLOBAL	Cartesian	0.8375	7.	0.
105	GLOBAL	Cartesian	0.	7.	0.
106	GLOBAL	Cartesian	0.8375	8.	0.
107	GLOBAL	Cartesian	1.675	0.	0.
108	GLOBAL	Cartesian	1.675	1.	0.
109	GLOBAL	Cartesian	1.675	2.	0.
110	GLOBAL	Cartesian	1.675	3.	0.
111	GLOBAL	Cartesian	1.675	4.	0.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
112	GLOBAL	Cartesian	1.675	5.	0.
113	GLOBAL	Cartesian	1.675	6.	0.
114	GLOBAL	Cartesian	1.675	7.	0.
115	GLOBAL	Cartesian	1.675	8.	0.
116	GLOBAL	Cartesian	2.5125	0.	0.
117	GLOBAL	Cartesian	2.5125	1.	0.
118	GLOBAL	Cartesian	2.5125	2.	0.
119	GLOBAL	Cartesian	2.5125	3.	0.
120	GLOBAL	Cartesian	2.5125	4.	0.
121	GLOBAL	Cartesian	2.5125	5.	0.
122	GLOBAL	Cartesian	2.5125	6.	0.
123	GLOBAL	Cartesian	2.5125	7.	0.
124	GLOBAL	Cartesian	2.5125	8.	0.
125	GLOBAL	Cartesian	3.35	1.	0.
126	GLOBAL	Cartesian	3.35	2.	0.
127	GLOBAL	Cartesian	3.35	3.	0.
128	GLOBAL	Cartesian	3.35	4.	0.
129	GLOBAL	Cartesian	3.35	5.	0.
130	GLOBAL	Cartesian	3.35	6.	0.
131	GLOBAL	Cartesian	3.35	7.	0.
132	GLOBAL	Cartesian	0.8375	0.	2.35
133	GLOBAL	Cartesian	0.8375	1.	2.35
134	GLOBAL	Cartesian	0.	1.	2.35
135	GLOBAL	Cartesian	0.8375	2.	2.35
136	GLOBAL	Cartesian	0.	2.	2.35
137	GLOBAL	Cartesian	0.8375	3.	2.35
138	GLOBAL	Cartesian	0.	3.	2.35
139	GLOBAL	Cartesian	0.8375	4.	2.35
140	GLOBAL	Cartesian	0.	4.	2.35
141	GLOBAL	Cartesian	0.8375	5.	2.35
142	GLOBAL	Cartesian	0.	5.	2.35
143	GLOBAL	Cartesian	0.8375	6.	2.35
144	GLOBAL	Cartesian	0.	6.	2.35
145	GLOBAL	Cartesian	0.8375	7.	2.35
146	GLOBAL	Cartesian	0.	7.	2.35
147	GLOBAL	Cartesian	0.8375	8.	2.35
148	GLOBAL	Cartesian	1.675	0.	2.35
149	GLOBAL	Cartesian	1.675	1.	2.35
150	GLOBAL	Cartesian	1.675	2.	2.35
151	GLOBAL	Cartesian	1.675	3.	2.35
152	GLOBAL	Cartesian	1.675	4.	2.35
153	GLOBAL	Cartesian	1.675	5.	2.35
154	GLOBAL	Cartesian	1.675	6.	2.35
155	GLOBAL	Cartesian	1.675	7.	2.35
156	GLOBAL	Cartesian	1.675	8.	2.35
157	GLOBAL	Cartesian	2.5125	0.	2.35
158	GLOBAL	Cartesian	2.5125	1.	2.35
159	GLOBAL	Cartesian	2.5125	2.	2.35
160	GLOBAL	Cartesian	2.5125	3.	2.35
161	GLOBAL	Cartesian	2.5125	4.	2.35
162	GLOBAL	Cartesian	2.5125	5.	2.35
163	GLOBAL	Cartesian	2.5125	6.	2.35
164	GLOBAL	Cartesian	2.5125	7.	2.35
165	GLOBAL	Cartesian	2.5125	8.	2.35

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
166	GLOBAL	Cartesian	3.35	1.	2.35
167	GLOBAL	Cartesian	3.35	2.	2.35
168	GLOBAL	Cartesian	3.35	3.	2.35
169	GLOBAL	Cartesian	3.35	4.	2.35
170	GLOBAL	Cartesian	3.35	5.	2.35
171	GLOBAL	Cartesian	3.35	6.	2.35
172	GLOBAL	Cartesian	3.35	7.	2.35
243	GLOBAL	Cartesian	0.	1.	0.5875
244	GLOBAL	Cartesian	0.	0.	0.5875
245	GLOBAL	Cartesian	0.	1.	1.175
246	GLOBAL	Cartesian	0.	0.	1.175
247	GLOBAL	Cartesian	0.	1.	1.7625
248	GLOBAL	Cartesian	0.	0.	1.7625
249	GLOBAL	Cartesian	0.	2.	0.5875
250	GLOBAL	Cartesian	0.	2.	1.175
251	GLOBAL	Cartesian	0.	2.	1.7625
252	GLOBAL	Cartesian	0.	3.	0.5875
253	GLOBAL	Cartesian	0.	3.	1.175
254	GLOBAL	Cartesian	0.	3.	1.7625
255	GLOBAL	Cartesian	0.	4.	0.5875
256	GLOBAL	Cartesian	0.	4.	1.175
257	GLOBAL	Cartesian	0.	4.	1.7625
258	GLOBAL	Cartesian	0.	5.	0.5875
259	GLOBAL	Cartesian	0.	5.	1.175
260	GLOBAL	Cartesian	0.	5.	1.7625
261	GLOBAL	Cartesian	0.	6.	0.5875
262	GLOBAL	Cartesian	0.	6.	1.175
263	GLOBAL	Cartesian	0.	6.	1.7625
264	GLOBAL	Cartesian	0.	7.	0.5875
265	GLOBAL	Cartesian	0.	7.	1.175
266	GLOBAL	Cartesian	0.	7.	1.7625
267	GLOBAL	Cartesian	0.	8.	0.5875
268	GLOBAL	Cartesian	0.	8.	1.175
269	GLOBAL	Cartesian	0.	8.	1.7625
270	GLOBAL	Cartesian	3.35	1.	0.5875
271	GLOBAL	Cartesian	3.35	0.	0.5875
272	GLOBAL	Cartesian	3.35	1.	1.175
273	GLOBAL	Cartesian	3.35	0.	1.175
274	GLOBAL	Cartesian	3.35	1.	1.7625
275	GLOBAL	Cartesian	3.35	0.	1.7625
276	GLOBAL	Cartesian	3.35	2.	0.5875
277	GLOBAL	Cartesian	3.35	2.	1.175
278	GLOBAL	Cartesian	3.35	2.	1.7625
279	GLOBAL	Cartesian	3.35	3.	0.5875
280	GLOBAL	Cartesian	3.35	3.	1.175
281	GLOBAL	Cartesian	3.35	3.	1.7625
282	GLOBAL	Cartesian	3.35	4.	0.5875
283	GLOBAL	Cartesian	3.35	4.	1.175
284	GLOBAL	Cartesian	3.35	4.	1.7625
285	GLOBAL	Cartesian	3.35	5.	0.5875
286	GLOBAL	Cartesian	3.35	5.	1.175
287	GLOBAL	Cartesian	3.35	5.	1.7625
288	GLOBAL	Cartesian	3.35	6.	0.5875
289	GLOBAL	Cartesian	3.35	6.	1.175

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
290	GLOBAL	Cartesian	3.35	6.	1.7625
291	GLOBAL	Cartesian	3.35	7.	0.5875
292	GLOBAL	Cartesian	3.35	7.	1.175
293	GLOBAL	Cartesian	3.35	7.	1.7625
294	GLOBAL	Cartesian	3.35	8.	0.5875
295	GLOBAL	Cartesian	3.35	8.	1.175
296	GLOBAL	Cartesian	3.35	8.	1.7625

1.2. Joint restraints

Table 2: Joint Restraint Assignments

Table 2: Joint Restraint Assignments

Joint	U1	U2	U3	R1	R2	R3
1	Yes	Yes	No	No	No	No
2	Yes	Yes	No	No	No	No
5	Yes	Yes	No	No	No	No
6	Yes	Yes	No	No	No	No

1.3. Element connectivity

Table 3: Connectivity - Frame

Table 3: Connectivity - Frame

Frame	JointI	JointJ	Length
			m
1	140	169	3.35

Table 4: Connectivity - Area

Table 4: Connectivity - Area

Area	Joint1	Joint2	Joint3	Joint4
69	1	91	92	93
70	93	92	94	95
71	95	94	96	97
72	97	96	98	99
73	99	98	100	101
74	101	100	102	103
75	103	102	104	105
76	105	104	106	2
77	91	107	108	92
78	92	108	109	94
79	94	109	110	96
80	96	110	111	98

Table 4: Connectivity - Area

Area	Joint1	Joint2	Joint3	Joint4
81	98	111	112	100
82	100	112	113	102
83	102	113	114	104
84	104	114	115	106
85	107	116	117	108
86	108	117	118	109
87	109	118	119	110
88	110	119	120	111
89	111	120	121	112
90	112	121	122	113
91	113	122	123	114
92	114	123	124	115
93	116	5	125	117
94	117	125	126	118
95	118	126	127	119
96	119	127	128	120
97	120	128	129	121
98	121	129	130	122
99	122	130	131	123
100	123	131	6	124
101	4	132	133	134
102	134	133	135	136
103	136	135	137	138
104	138	137	139	140
105	140	139	141	142
106	142	141	143	144
107	144	143	145	146
108	146	145	147	3
109	132	148	149	133
110	133	149	150	135
111	135	150	151	137
112	137	151	152	139
113	139	152	153	141
114	141	153	154	143
115	143	154	155	145
116	145	155	156	147
117	148	157	158	149
118	149	158	159	150
119	150	159	160	151
120	151	160	161	152
121	152	161	162	153
122	153	162	163	154
123	154	163	164	155
124	155	164	165	156
125	157	8	166	158
126	158	166	167	159
127	159	167	168	160
128	160	168	169	161
129	161	169	170	162
130	162	170	171	163
131	163	171	172	164
132	164	172	7	165
197	1	93	243	244
198	244	243	245	246

Table 4: Connectivity - Area

Area	Joint1	Joint2	Joint3	Joint4
199	246	245	247	248
200	248	247	134	4
201	93	95	249	243
202	243	249	250	245
203	245	250	251	247
204	247	251	136	134
205	95	97	252	249
206	249	252	253	250
207	250	253	254	251
208	251	254	138	136
209	97	99	255	252
210	252	255	256	253
211	253	256	257	254
212	254	257	140	138
213	99	101	258	255
214	255	258	259	256
215	256	259	260	257
216	257	260	142	140
217	101	103	261	258
218	258	261	262	259
219	259	262	263	260
220	260	263	144	142
221	103	105	264	261
222	261	264	265	262
223	262	265	266	263
224	263	266	146	144
225	105	2	267	264
226	264	267	268	265
227	265	268	269	266
228	266	269	3	146
229	5	125	270	271
230	271	270	272	273
231	273	272	274	275
232	275	274	166	8
233	125	126	276	270
234	270	276	277	272
235	272	277	278	274
236	274	278	167	166
237	126	127	279	276
238	276	279	280	277
239	277	280	281	278
240	278	281	168	167
241	127	128	282	279
242	279	282	283	280
243	280	283	284	281
244	281	284	169	168
245	128	129	285	282
246	282	285	286	283
247	283	286	287	284
248	284	287	170	169
249	129	130	288	285
250	285	288	289	286
251	286	289	290	287
252	287	290	171	170

Table 4: Connectivity - Area

Area	Joint1	Joint2	Joint3	Joint4
253	130	131	291	288
254	288	291	292	289
255	289	292	293	290
256	290	293	172	171
257	131	6	294	291
258	291	294	295	292
259	292	295	296	293
260	293	296	7	172

Table 5: Area Section Assignments

Table 5: Area Section Assignments

Area	Section	MatProp
69	Losa35cm	Default
70	Losa35cm	Default
71	Losa35cm	Default
72	Losa35cm	Default
73	Losa35cm	Default
74	Losa35cm	Default
75	Losa35cm	Default
76	Losa35cm	Default
77	Losa35cm	Default
78	Losa35cm	Default
79	Losa35cm	Default
80	Losa35cm	Default
81	Losa35cm	Default
82	Losa35cm	Default
83	Losa35cm	Default
84	Losa35cm	Default
85	Losa35cm	Default
86	Losa35cm	Default
87	Losa35cm	Default
88	Losa35cm	Default
89	Losa35cm	Default
90	Losa35cm	Default
91	Losa35cm	Default
92	Losa35cm	Default
93	Losa35cm	Default
94	Losa35cm	Default
95	Losa35cm	Default
96	Losa35cm	Default
97	Losa35cm	Default
98	Losa35cm	Default
99	Losa35cm	Default
100	Losa35cm	Default
101	Losa35cm	Default
102	Losa35cm	Default
103	Losa35cm	Default
104	Losa35cm	Default
105	Losa35cm	Default
106	Losa35cm	Default

Table 5: Area Section Assignments

Area	Section	MatProp
107	Losa35cm	Default
108	Losa35cm	Default
109	Losa35cm	Default
110	Losa35cm	Default
111	Losa35cm	Default
112	Losa35cm	Default
113	Losa35cm	Default
114	Losa35cm	Default
115	Losa35cm	Default
116	Losa35cm	Default
117	Losa35cm	Default
118	Losa35cm	Default
119	Losa35cm	Default
120	Losa35cm	Default
121	Losa35cm	Default
122	Losa35cm	Default
123	Losa35cm	Default
124	Losa35cm	Default
125	Losa35cm	Default
126	Losa35cm	Default
127	Losa35cm	Default
128	Losa35cm	Default
129	Losa35cm	Default
130	Losa35cm	Default
131	Losa35cm	Default
132	Losa35cm	Default
197	Losa35cm	Default
198	Losa35cm	Default
199	Losa35cm	Default
200	Losa35cm	Default
201	Losa35cm	Default
202	Losa35cm	Default
203	Losa35cm	Default
204	Losa35cm	Default
205	Losa35cm	Default
206	Losa35cm	Default
207	Losa35cm	Default
208	Losa35cm	Default
209	Losa35cm	Default
210	Losa35cm	Default
211	Losa35cm	Default
212	Losa35cm	Default
213	Losa35cm	Default
214	Losa35cm	Default
215	Losa35cm	Default
216	Losa35cm	Default
217	Losa35cm	Default
218	Losa35cm	Default
219	Losa35cm	Default
220	Losa35cm	Default
221	Losa35cm	Default
222	Losa35cm	Default
223	Losa35cm	Default
224	Losa35cm	Default

Table 5: Area Section Assignments

Area	Section	MatProp
225	Losa35cm	Default
226	Losa35cm	Default
227	Losa35cm	Default
228	Losa35cm	Default
229	Losa35cm	Default
230	Losa35cm	Default
231	Losa35cm	Default
232	Losa35cm	Default
233	Losa35cm	Default
234	Losa35cm	Default
235	Losa35cm	Default
236	Losa35cm	Default
237	Losa35cm	Default
238	Losa35cm	Default
239	Losa35cm	Default
240	Losa35cm	Default
241	Losa35cm	Default
242	Losa35cm	Default
243	Losa35cm	Default
244	Losa35cm	Default
245	Losa35cm	Default
246	Losa35cm	Default
247	Losa35cm	Default
248	Losa35cm	Default
249	Losa35cm	Default
250	Losa35cm	Default
251	Losa35cm	Default
252	Losa35cm	Default
253	Losa35cm	Default
254	Losa35cm	Default
255	Losa35cm	Default
256	Losa35cm	Default
257	Losa35cm	Default
258	Losa35cm	Default
259	Losa35cm	Default
260	Losa35cm	Default

2. Material properties

This section provides material property information for materials used in the model.

Table 6: Material Properties 02 - Basic Mechanical Properties

Table 6: Material Properties 02 - Basic Mechanical Properties

Material	UnitWeight KN/m3	UnitMass KN-s2/m4	E1 KN/m2	G12 KN/m2	U12	A1 1/C
4000Psi	2.3563E+01	2.4028E+00	24855578.06	10356490.86	0.2	9.9000E-06
A416Gr270	7.6973E+01	7.8490E+00	196500599.9			1.1700E-05
A992Fy50	7.6973E+01	7.8490E+00	199947978.8	76903068.77	0.3	1.1700E-05

Table 7: Material Properties 03a - Steel Data

Table 7: Material Properties 03a - Steel Data

Material	Fy	Fu	FinalSlope	CoupModType
	KN/m2	KN/m2		
A992Fy50	344737.89	448159.26	-0.1	Von Mises

Table 8: Material Properties 03b - Concrete Data

Table 8: Material Properties 03b - Concrete Data

Material	Fc	eFc	FinalSlope	CoupModType
	KN/m2	KN/m2		
4000Psi	27579.03	27579.03	-0.1	Modified Darwin-Pecknold

Table 9: Material Properties 03f - Tendon Data

Table 9: Material Properties 03f - Tendon Data

Material	Fy	Fu	FinalSlope	CoupModType
	KN/m2	KN/m2		
A416Gr270	1689905.16	1861584.63	-0.1	Von Mises

3. Section properties

This section provides section property information for objects used in the model.

3.1. Frames

Table 10: Frame Section Properties 01 - General, Part 1 of 7

Table 10: Frame Section Properties 01 - General, Part 1 of 7

SectionName	Material	Shape	t3	t2	FilletRadius	tf	tw
			m	m	m	m	m
FSEC1	A992Fy50	I/Wide Flange	0.3048	0.127	0.	0.009652	0.00635

Table 10: Frame Section Properties 01 - General, Part 2 of 7

Table 10: Frame Section Properties 01 - General, Part 2 of 7

SectionName	t2b	tfb
	m	m
FSEC1	0.127	0.009652

Table 10: Frame Section Properties 01 - General, Part 3 of 7

Table 10: Frame Section Properties 01 - General, Part 3 of 7

SectionName	S33Top	Area	TorsConst	S33Bot	S22Left	I33	I22	S22Right
	m3	m2	m4	m3	m3	m4	m4	m3
FSEC1	0.000431	0.004265	9.651E-08	0.000431	0.000052	0.000066	3.301E-06	0.000052

Table 10: Frame Section Properties 01 - General, Part 4 of 7

Table 10: Frame Section Properties 01 - General, Part 4 of 7

SectionName	I23	AS2	AS3
	m4	m2	m2
FSEC1	0.	0.001935	0.002043

Table 10: Frame Section Properties 01 - General, Part 5 of 7

Table 10: Frame Section Properties 01 - General, Part 5 of 7

SectionName	CGOffset3	CGOffset2	Z33	Z22	R33	EccV3	Cw	R22
	m	m	m3	m3	m	m	m6	m
FSEC1	0.	0.	0.000491	0.000081	0.124145	0.	7.176E-08	0.027823

Table 10: Frame Section Properties 01 - General, Part 6 of 7

Table 10: Frame Section Properties 01 - General, Part 6 of 7

SectionName	EccV2	AMod	A2Mod	A3Mod	JMod	I2Mod	I3Mod	MMod
	m							
FSEC1	0.	1.	1.	1.	1.	1.	1.	1.

Table 10: Frame Section Properties 01 - General, Part 7 of 7

Table 10: Frame Section Properties 01 - General, Part 7 of 7

SectionName	WMod
FSEC1	1.

3.2. Areas

Table 11: Area Section Properties, Part 1 of 3

Table 11: Area Section Properties, Part 1 of 3

Section	Material	AreaType	Type	DrillDOF	Thickness	BendThick	F11Mod
					m	m	
Losa35cm	4000Psi	Shell	Shell-Thin	Yes	0.35	0.35	1.

Table 11: Area Section Properties, Part 2 of 3

Table 11: Area Section Properties, Part 2 of 3

Section	F22Mod	F12Mod	M11Mod	M22Mod	M12Mod	V13Mod	V23Mod
Losa35cm	1.	1.	1.	1.	1.	1.	1.

Table 11: Area Section Properties, Part 3 of 3

Table 11: Area Section Properties, Part 3 of 3

Section	MMod	WMod
Losa35cm	1.	1.

3.3. Solids

Table 12: Solid Property Definitions

Table 12: Solid Property Definitions

SolidProp	Material	MatAngleA Degrees	MatAngleB Degrees	MatAngleC Degrees
Solid1	4000Psi	0.	0.	0.

4. Load patterns

This section provides loading information as applied to the model.

4.1. Definitions

Table 13: Load Pattern Definitions

Table 13: Load Pattern Definitions

LoadPat	DesignType	SelfWtMult	AutoLoad
DEAD	Dead	1.	
SD_SueloH	Dead	0.	
SD_Pav	Dead	0.	
Vehicular	Live	0.	
SD_AguaBox	Live	0.	
SD_SueloV	Dead	0.	
CAMION	Vehicle Live	0.	
TANDEM	Vehicle Live	0.	

5. Load cases

This section provides load case information.

5.1. Definitions

Table 14: Load Case Definitions, Part 1 of 2

Table 14: Load Case Definitions, Part 1 of 2

Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesActOpt
DEAD	LinStatic	Zero				Prog Det
MODAL	LinModal	Zero				Prog Det
SD_SueloH	LinStatic	Zero				Prog Det
SD_Pav	LinStatic	Zero				Prog Det
Vehicular	LinStatic	Zero				Prog Det
SD_AguaBox	LinStatic	Zero				Prog Det
SD_SueloV	LinStatic	Zero				Prog Det
D	LinStatic	Zero				Prog Det
H	LinStatic	Zero				Prog Det
L	LinStatic	Zero				Prog Det
CAMION	LinMoving	Zero				Prog Det
TANDEM	LinMoving	Zero				Prog Det

Table 14: Load Case Definitions, Part 2 of 2

Table 14: Load Case Definitions, Part 2 of 2

Case	DesignAct
DEAD	Non-Composite
MODAL	Other
SD_SueloH	Non-Composite
SD_Pav	Non-Composite
Vehicular	Short-Term Composite
SD_AguaBox	Short-Term Composite
SD_SueloV	Non-Composite
D	Non-Composite
H	Non-Composite
L	Short-Term Composite
CAMION	Short-Term Composite
TANDEM	Short-Term Composite

5.2. Static case load assignments

Table 15: Case - Static 1 - Load Assignments

Table 15: Case - Static 1 - Load Assignments

Case	LoadType	LoadName	LoadSF
DEAD	Load pattern	DEAD	1.
SD_SueloH	Load pattern	SD_SueloH	1.
SD_Pav	Load pattern	SD_Pav	1.
Vehicular	Load pattern	Vehicular	1.
SD_AguaBox	Load pattern	SD_AguaBox	1.
SD_SueloV	Load pattern	SD_SueloV	1.
D	Load pattern	DEAD	1.2
D	Load pattern	SD_SueloV	1.5
D	Load pattern	SD_Pav	1.5
H	Load pattern	SD_SueloH	1.5
L	Load pattern	Vehicular	1.75
L	Load pattern	SD_AguaBox	1.

5.3. Response spectrum case load assignments

Table 16: Function - Response Spectrum - User

Table 16: Function - Response Spectrum - User

Name	Period Sec	Accel	FuncDamp
UNIFRS	0.	1.	0.05
UNIFRS	1.	1.	

6. Load combinations

This section provides load combination information.

Table 17: Combination Definitions

Table 17: Combination Definitions

ComboName	ComboType	CaseName	ScaleFactor
D_1.4D	Linear Add	D	1.4
D_1.2D+1.6H	Linear Add	D	1.2
D_1.2D+1.6H		H	1.6
D_RESISTENCIA	Linear Add	D	1.
D_RESISTENCIA		H	1.
D_RESISTENCIA		L	1.
S_SERVICIO	Linear Add	DEAD	1.
S_SERVICIO		SD_AguaBox	1.
S_SERVICIO		SD_Pav	1.
S_SERVICIO		SD_SueloH	1.
S_SERVICIO		SD_SueloV	1.
S_SERVICIO		Vehicular	1.

Table 17: Combination Definitions

ComboName	ComboType	CaseName	ScaleFactor
cam-tand	Envelope	CAMION	1.33
cam-tand		TANDEM	1.33
D_RESISTENCIA_TAND	Linear Add	D	1.
D_RESISTENCIA_TAND		H	1.
D_RESISTENCIA_TAND		L	1.
D_RESISTENCIA_TAND		cam-tand	1.
S_SERV_TAND	Linear Add	DEAD	1.
S_SERV_TAND		SD_AguaBox	1.
S_SERV_TAND		SD_Pav	1.
S_SERV_TAND		SD_SueloH	1.
S_SERV_TAND		SD_SueloV	1.
S_SERV_TAND		Vehicular	1.
S_SERV_TAND		cam-tand	1.

7. Structure results

This section provides structure results, including items such as structural periods and base reactions.

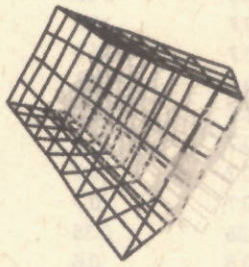


Figure 2: Deformed shape

7.1. Mass summary

Table 18: Assembled Joint Masses, Part 1 of 2

Table 18: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
1	MSSSRC1	0.3	0.3	0.3	0.	0.	0.	0.
2	MSSSRC1	0.3	0.3	0.3	0.	0.	0.	0.
3	MSSSRC1	0.3	0.3	0.3	0.	0.	0.	0.
4	MSSSRC1	0.3	0.3	0.3	0.	0.	0.	0.
5	MSSSRC1	0.3	0.3	0.3	0.	0.	0.	3.35
6	MSSSRC1	0.3	0.3	0.3	0.	0.	0.	3.35
7	MSSSRC1	0.3	0.3	0.3	0.	0.	0.	3.35
8	MSSSRC1	0.3	0.3	0.3	0.	0.	0.	3.35
91	MSSSRC1	0.35	0.35	0.35	0.	0.	0.	0.8375
92	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
93	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
94	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
95	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
96	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
97	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
98	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
99	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
100	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
101	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
102	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
103	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
104	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
105	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
106	MSSSRC1	0.35	0.35	0.35	0.	0.	0.	0.8375
107	MSSSRC1	0.35	0.35	0.35	0.	0.	0.	1.675
108	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675
109	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675
110	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675
111	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675
112	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675
113	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675

Table 18: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
114	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675
115	MSSSRC1	0.35	0.35	0.35	0.	0.	0.	1.675
116	MSSSRC1	0.35	0.35	0.35	0.	0.	0.	2.5125
117	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
118	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
119	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
120	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
121	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
122	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
123	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
124	MSSSRC1	0.35	0.35	0.35	0.	0.	0.	2.5125
125	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35
126	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35
127	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35
128	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35
129	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35
130	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35
131	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35
132	MSSSRC1	0.35	0.35	0.35	0.	0.	0.	0.8375
133	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
134	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
135	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
136	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
137	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
138	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
139	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
140	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
141	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
142	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
143	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
144	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
145	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	0.8375
146	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	0.
147	MSSSRC1	0.35	0.35	0.35	0.	0.	0.	0.8375
148	MSSSRC1	0.35	0.35	0.35	0.	0.	0.	1.675
149	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675
150	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675
151	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675
152	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675
153	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675
154	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675
155	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	1.675
156	MSSSRC1	0.35	0.35	0.35	0.	0.	0.	1.675
157	MSSSRC1	0.35	0.35	0.35	0.	0.	0.	2.5125
158	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
159	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
160	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
161	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
162	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
163	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
164	MSSSRC1	0.7	0.7	0.7	0.	0.	0.	2.5125
165	MSSSRC1	0.35	0.35	0.35	0.	0.	0.	2.5125
166	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35
167	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35

Table 18: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
168	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35
169	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35
170	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35
171	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35
172	MSSSRC1	0.6	0.6	0.6	0.	0.	0.	3.35
243	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
244	MSSSRC1	0.25	0.25	0.25	0.	0.	0.	0.
245	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
246	MSSSRC1	0.25	0.25	0.25	0.	0.	0.	0.
247	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
248	MSSSRC1	0.25	0.25	0.25	0.	0.	0.	0.
249	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
250	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
251	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
252	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
253	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
254	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
255	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
256	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
257	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
258	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
259	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
260	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
261	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
262	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
263	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
264	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
265	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
266	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	0.
267	MSSSRC1	0.25	0.25	0.25	0.	0.	0.	0.
268	MSSSRC1	0.25	0.25	0.25	0.	0.	0.	0.
269	MSSSRC1	0.25	0.25	0.25	0.	0.	0.	0.
270	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
271	MSSSRC1	0.25	0.25	0.25	0.	0.	0.	3.35
272	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
273	MSSSRC1	0.25	0.25	0.25	0.	0.	0.	3.35
274	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
275	MSSSRC1	0.25	0.25	0.25	0.	0.	0.	3.35
276	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
277	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
278	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
279	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
280	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
281	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
282	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
283	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
284	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
285	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
286	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
287	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
288	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
289	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
290	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
291	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35

Table 18: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
292	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
293	MSSSRC1	0.49	0.49	0.49	0.	0.	0.	3.35
294	MSSSRC1	0.25	0.25	0.25	0.	0.	0.	3.35
295	MSSSRC1	0.25	0.25	0.25	0.	0.	0.	3.35
296	MSSSRC1	0.25	0.25	0.25	0.	0.	0.	3.35
1~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.
91~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.8375
92~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.8375
93~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.
94~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.8375
95~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.
96~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.8375
97~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.
98~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.8375
99~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.
100~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.8375
101~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.
102~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.8375
103~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.
104~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.8375
105~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.
106~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.8375
2~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	0.
107~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.675
108~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.675
109~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.675
110~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.675
111~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.675
112~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.675
113~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.675
114~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.675
115~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	1.675
116~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.5125
117~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.5125
118~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.5125
119~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.5125
120~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.5125
121~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.5125
122~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.5125
123~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.5125
124~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	2.5125
5~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.35
125~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.35
126~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.35
127~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.35
128~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.35
129~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.35
130~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.35
131~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.35
6~Link	MSSSRC1	0.	0.	0.	0.	0.	0.	3.35
SumAccelUX	MSSSRC1	76.7	0.	0.	0.	0.	0.	1.675
SumAccelUY	MSSSRC1	0.	76.7	0.	0.	0.	0.	1.675
SumAccelUZ	MSSSRC1	0.	0.	76.7	0.	0.	0.	1.675

Table 18: Assembled Joint Masses, Part 2 of 2

Table 18: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
1	MSSSRC1	0.	0.
2	MSSSRC1	8.	0.
3	MSSSRC1	8.	2.35
4	MSSSRC1	0.	2.35
5	MSSSRC1	0.	0.
6	MSSSRC1	8.	0.
7	MSSSRC1	8.	2.35
8	MSSSRC1	0.	2.35
91	MSSSRC1	0.	0.
92	MSSSRC1	1.	0.
93	MSSSRC1	1.	0.
94	MSSSRC1	2.	0.
95	MSSSRC1	2.	0.
96	MSSSRC1	3.	0.
97	MSSSRC1	3.	0.
98	MSSSRC1	4.	0.
99	MSSSRC1	4.	0.
100	MSSSRC1	5.	0.
101	MSSSRC1	5.	0.
102	MSSSRC1	6.	0.
103	MSSSRC1	6.	0.
104	MSSSRC1	7.	0.
105	MSSSRC1	7.	0.
106	MSSSRC1	8.	0.
107	MSSSRC1	0.	0.
108	MSSSRC1	1.	0.
109	MSSSRC1	2.	0.
110	MSSSRC1	3.	0.
111	MSSSRC1	4.	0.
112	MSSSRC1	5.	0.
113	MSSSRC1	6.	0.
114	MSSSRC1	7.	0.
115	MSSSRC1	8.	0.
116	MSSSRC1	0.	0.
117	MSSSRC1	1.	0.
118	MSSSRC1	2.	0.
119	MSSSRC1	3.	0.
120	MSSSRC1	4.	0.
121	MSSSRC1	5.	0.
122	MSSSRC1	6.	0.
123	MSSSRC1	7.	0.
124	MSSSRC1	8.	0.
125	MSSSRC1	1.	0.
126	MSSSRC1	2.	0.
127	MSSSRC1	3.	0.
128	MSSSRC1	4.	0.
129	MSSSRC1	5.	0.
130	MSSSRC1	6.	0.
131	MSSSRC1	7.	0.
132	MSSSRC1	0.	2.35
133	MSSSRC1	1.	2.35
134	MSSSRC1	1.	2.35

Table 18: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
135	MSSSRC1	2.	2.35
136	MSSSRC1	2.	2.35
137	MSSSRC1	3.	2.35
138	MSSSRC1	3.	2.35
139	MSSSRC1	4.	2.35
140	MSSSRC1	4.	2.35
141	MSSSRC1	5.	2.35
142	MSSSRC1	5.	2.35
143	MSSSRC1	6.	2.35
144	MSSSRC1	6.	2.35
145	MSSSRC1	7.	2.35
146	MSSSRC1	7.	2.35
147	MSSSRC1	8.	2.35
148	MSSSRC1	0.	2.35
149	MSSSRC1	1.	2.35
150	MSSSRC1	2.	2.35
151	MSSSRC1	3.	2.35
152	MSSSRC1	4.	2.35
153	MSSSRC1	5.	2.35
154	MSSSRC1	6.	2.35
155	MSSSRC1	7.	2.35
156	MSSSRC1	8.	2.35
157	MSSSRC1	0.	2.35
158	MSSSRC1	1.	2.35
159	MSSSRC1	2.	2.35
160	MSSSRC1	3.	2.35
161	MSSSRC1	4.	2.35
162	MSSSRC1	5.	2.35
163	MSSSRC1	6.	2.35
164	MSSSRC1	7.	2.35
165	MSSSRC1	8.	2.35
166	MSSSRC1	1.	2.35
167	MSSSRC1	2.	2.35
168	MSSSRC1	3.	2.35
169	MSSSRC1	4.	2.35
170	MSSSRC1	5.	2.35
171	MSSSRC1	6.	2.35
172	MSSSRC1	7.	2.35
243	MSSSRC1	1.	0.5875
244	MSSSRC1	0.	0.5875
245	MSSSRC1	1.	1.175
246	MSSSRC1	0.	1.175
247	MSSSRC1	1.	1.7625
248	MSSSRC1	0.	1.7625
249	MSSSRC1	2.	0.5875
250	MSSSRC1	2.	1.175
251	MSSSRC1	2.	1.7625
252	MSSSRC1	3.	0.5875
253	MSSSRC1	3.	1.175
254	MSSSRC1	3.	1.7625
255	MSSSRC1	4.	0.5875
256	MSSSRC1	4.	1.175
257	MSSSRC1	4.	1.7625
258	MSSSRC1	5.	0.5875

Table 18: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
259	MSSSRC1	5.	1.175
260	MSSSRC1	5.	1.7625
261	MSSSRC1	6.	0.5875
262	MSSSRC1	6.	1.175
263	MSSSRC1	6.	1.7625
264	MSSSRC1	7.	0.5875
265	MSSSRC1	7.	1.175
266	MSSSRC1	7.	1.7625
267	MSSSRC1	8.	0.5875
268	MSSSRC1	8.	1.175
269	MSSSRC1	8.	1.7625
270	MSSSRC1	1.	0.5875
271	MSSSRC1	0.	0.5875
272	MSSSRC1	1.	1.175
273	MSSSRC1	0.	1.175
274	MSSSRC1	1.	1.7625
275	MSSSRC1	0.	1.7625
276	MSSSRC1	2.	0.5875
277	MSSSRC1	2.	1.175
278	MSSSRC1	2.	1.7625
279	MSSSRC1	3.	0.5875
280	MSSSRC1	3.	1.175
281	MSSSRC1	3.	1.7625
282	MSSSRC1	4.	0.5875
283	MSSSRC1	4.	1.175
284	MSSSRC1	4.	1.7625
285	MSSSRC1	5.	0.5875
286	MSSSRC1	5.	1.175
287	MSSSRC1	5.	1.7625
288	MSSSRC1	6.	0.5875
289	MSSSRC1	6.	1.175
290	MSSSRC1	6.	1.7625
291	MSSSRC1	7.	0.5875
292	MSSSRC1	7.	1.175
293	MSSSRC1	7.	1.7625
294	MSSSRC1	8.	0.5875
295	MSSSRC1	8.	1.175
296	MSSSRC1	8.	1.7625
1~Link	MSSSRC1	0.	0.
91~Link	MSSSRC1	0.	0.
92~Link	MSSSRC1	1.	0.
93~Link	MSSSRC1	1.	0.
94~Link	MSSSRC1	2.	0.
95~Link	MSSSRC1	2.	0.
96~Link	MSSSRC1	3.	0.
97~Link	MSSSRC1	3.	0.
98~Link	MSSSRC1	4.	0.
99~Link	MSSSRC1	4.	0.
100~Link	MSSSRC1	5.	0.
101~Link	MSSSRC1	5.	0.
102~Link	MSSSRC1	6.	0.
103~Link	MSSSRC1	6.	0.
104~Link	MSSSRC1	7.	0.
105~Link	MSSSRC1	7.	0.

Table 18: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
106~Link	MSSSRC1	8.	0.
2~Link	MSSSRC1	8.	0.
107~Link	MSSSRC1	0.	0.
108~Link	MSSSRC1	1.	0.
109~Link	MSSSRC1	2.	0.
110~Link	MSSSRC1	3.	0.
111~Link	MSSSRC1	4.	0.
112~Link	MSSSRC1	5.	0.
113~Link	MSSSRC1	6.	0.
114~Link	MSSSRC1	7.	0.
115~Link	MSSSRC1	8.	0.
116~Link	MSSSRC1	0.	0.
117~Link	MSSSRC1	1.	0.
118~Link	MSSSRC1	2.	0.
119~Link	MSSSRC1	3.	0.
120~Link	MSSSRC1	4.	0.
121~Link	MSSSRC1	5.	0.
122~Link	MSSSRC1	6.	0.
123~Link	MSSSRC1	7.	0.
124~Link	MSSSRC1	8.	0.
5~Link	MSSSRC1	0.	0.
125~Link	MSSSRC1	1.	0.
126~Link	MSSSRC1	2.	0.
127~Link	MSSSRC1	3.	0.
128~Link	MSSSRC1	4.	0.
129~Link	MSSSRC1	5.	0.
130~Link	MSSSRC1	6.	0.
131~Link	MSSSRC1	7.	0.
6~Link	MSSSRC1	8.	0.
SumAccelUX	MSSSRC1	4.	1.175
SumAccelUY	MSSSRC1	4.	1.175
SumAccelUZ	MSSSRC1	4.	1.175

7.2. Modal results

Table 19: Modal Participating Mass Ratios

Table 19: Modal Participating Mass Ratios

OutputCase	StepNum	Period	UX	UY	UZ	SumUX	SumUY	SumUZ
		Sec						
MODAL	1.	0.457274	0.33993	0.	0.	0.33993	0.	0.
MODAL	2.	0.274725	0.	0.17852	0.	0.33993	0.17852	0.
MODAL	3.	0.229108	0.	0.	0.99997	0.33993	0.17852	0.99997
MODAL	4.	0.033938	0.30468	4.009E-18	0.	0.6446	0.17852	0.99997
MODAL	5.	0.03302	3.896E-19	5.393E-17	0.	0.6446	0.17852	0.99997
MODAL	6.	0.017	1.760E-16	6.067E-16	3.239E-05	0.6446	0.17852	1.
MODAL	7.	0.015618	1.600E-17	0.00228	0.	0.6446	0.1808	1.
MODAL	8.	0.013815	1.927E-17	0.63208	0.	0.6446	0.81288	1.
MODAL	9.	0.01258	7.627E-19	6.365E-15	2.451E-08	0.6446	0.81288	1.
MODAL	10.	0.012427	0.29291	1.966E-17	0.	0.93751	0.81288	1.
MODAL	11.	0.01241	5.818E-17	8.012E-16	3.777E-09	0.93751	0.81288	1.

Table 19: Modal Participating Mass Ratios

OutputCase	StepNum	Period	UX	UY	UZ	SumUX	SumUY	SumUZ
		Sec						
MODAL	12.	0.012157	1.001E-15	1.471E-16	0.	0.93751	0.81288	1.

7.3. Base reactions

Table 20: Base Reactions

Table 20: Base Reactions

OutputCase	GlobalFX	GlobalFY	GlobalFZ	GlobalMX	GlobalMY	GlobalMZ
	KN	KN	KN	KN-m	KN-m	KN-m
DEAD	-4.535E-12	-5.196E-11	752.135	3008.5394	-1259.8259	-3.591E-11
SD_SueloH	-189.896	1.241E-10	-1.259E-10	-9.453E-10	-223.1278	759.5839
SD_Pav	-7.552E-13	-2.822E-11	283.844	1135.3747	-475.4382	-4.164E-11
Vehicular	-2.242E-13	-1.182E-12	34.166	136.6655	-57.2287	1.258E-13
SD_AguaBox	-2.416E-13	-1.151E-13	2.247E-12	7.047E-12	-3.229E-12	7.390E-13
SD_SueloV	-6.388E-10	-1.230E-10	551.135	2204.539	-776.4119	1.915E-09
D	-9.689E-10	-2.512E-10	2155.029	8620.1178	-3389.5661	2.831E-09
H	-284.844	1.793E-10	-1.888E-10	-1.417E-09	-334.6917	1139.3758
L	-4.903E-13	-4.246E-12	59.791	239.1646	-100.1502	-2.345E-12

8. Joint results

This section provides joint results, including items such as displacements and reactions.

Table 21: Joint Displacements

Table 21: Joint Displacements

Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
1	DEAD	0.	0.	-0.013047	4.626E-06	-0.000118	-4.526E-06
1	SD_SueloH	0.	0.	0.006175	5.589E-06	0.003824	-0.000025
1	SD_Pav	0.	0.	-0.004945	2.310E-06	-0.000075	-1.950E-06
1	Vehicular	0.	0.	-0.000595	2.780E-07	-9.055E-06	-2.347E-07
1	SD_AguaBox	0.	0.	-0.00002	-1.527E-06	-0.000043	3.958E-06
1	SD_SueloV	0.	0.	-0.013626	4.859E-06	-0.002554	-3.972E-06
1	D	0.	0.	-0.043513	0.000016	-0.004086	-0.000014
1	H	0.	0.	0.009263	8.384E-06	0.005736	-0.000037
1	L	0.	0.	-0.001062	-1.040E-06	-0.000059	3.548E-06
2	DEAD	0.	0.	-0.013047	-4.626E-06	-0.000118	4.526E-06
2	SD_SueloH	0.	0.	0.006175	-5.589E-06	0.003824	0.000025
2	SD_Pav	0.	0.	-0.004945	-2.310E-06	-0.000075	1.950E-06
2	Vehicular	0.	0.	-0.000595	-2.780E-07	-9.055E-06	2.347E-07
2	SD_AguaBox	0.	0.	-0.00002	1.527E-06	-0.000043	-3.958E-06
2	SD_SueloV	0.	0.	-0.013626	-4.859E-06	-0.002554	3.972E-06
2	D	0.	0.	-0.043513	-0.000016	-0.004086	0.000014
2	H	0.	0.	0.009263	-8.384E-06	0.005736	0.000037
2	L	0.	0.	-0.001062	1.040E-06	-0.000059	-3.548E-06
3	DEAD	-8.553E-07	5.119E-07	-0.013053	9.560E-07	0.000081	1.243E-06
3	SD_SueloH	0.008809	1.605E-06	0.006176	-3.200E-06	0.003612	-1.683E-06

Table 21: Joint Displacements

Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
3	SD_Pav	-1.853E-07	6.898E-07	-0.004949	1.682E-06	0.000075	1.837E-06
3	Vehicular	-2.231E-08	8.303E-08	-0.000596	2.025E-07	9.056E-06	2.211E-07
3	SD_AguaBox	-1.734E-06	-4.433E-07	-0.000021	-8.076E-07	0.000037	-2.682E-07
3	SD_SueloV	-0.005647	1.690E-06	-0.013637	3.288E-06	-0.002252	3.480E-06
3	D	-0.008472	4.184E-06	-0.043543	8.602E-06	-0.003168	9.466E-06
3	H	0.013214	2.408E-06	0.009264	-4.800E-06	0.005418	-2.524E-06
3	L	-1.774E-06	-2.980E-07	-0.001063	-4.532E-07	0.000053	1.187E-07
4	DEAD	-8.553E-07	-5.119E-07	-0.013053	-9.560E-07	0.000081	-1.243E-06
4	SD_SueloH	0.008809	-1.605E-06	0.006176	3.200E-06	0.003612	1.683E-06
4	SD_Pav	-1.853E-07	-6.898E-07	-0.004949	-1.682E-06	0.000075	-1.837E-06
4	Vehicular	-2.231E-08	-8.303E-08	-0.000596	-2.025E-07	9.056E-06	-2.211E-07
4	SD_AguaBox	-1.734E-06	4.433E-07	-0.000021	8.076E-07	0.000037	2.682E-07
4	SD_SueloV	-0.005647	-1.690E-06	-0.013637	-3.288E-06	-0.002252	-3.480E-06
4	D	-0.008472	-4.184E-06	-0.043543	-8.602E-06	-0.003168	-9.466E-06
4	H	0.013214	-2.408E-06	0.009264	4.800E-06	0.005418	2.524E-06
4	L	-1.774E-06	2.980E-07	-0.001063	4.532E-07	0.000053	-1.187E-07
5	DEAD	0.	0.	-0.013047	4.626E-06	0.000118	4.526E-06
5	SD_SueloH	0.	0.	-0.006084	1.278E-06	0.00363	-8.202E-06
5	SD_Pav	0.	0.	-0.004945	2.310E-06	0.000075	1.950E-06
5	Vehicular	0.	0.	-0.000595	2.780E-07	9.055E-06	2.347E-07
5	SD_AguaBox	0.	0.	-0.00002	-1.527E-06	0.000043	-3.958E-06
5	SD_SueloV	0.	0.	-0.005576	4.111E-06	-0.002262	3.600E-06
5	D	0.	0.	-0.031437	0.000015	-0.003138	0.000014
5	H	0.	0.	-0.009127	1.917E-06	0.005445	-0.000012
5	L	0.	0.	-0.001062	-1.040E-06	0.000059	-3.548E-06
6	DEAD	0.	0.	-0.013047	-4.626E-06	0.000118	-4.526E-06
6	SD_SueloH	0.	0.	-0.006084	-1.278E-06	0.00363	8.202E-06
6	SD_Pav	0.	0.	-0.004945	-2.310E-06	0.000075	-1.950E-06
6	Vehicular	0.	0.	-0.000595	-2.780E-07	9.055E-06	-2.347E-07
6	SD_AguaBox	0.	0.	-0.00002	1.527E-06	0.000043	3.958E-06
6	SD_SueloV	0.	0.	-0.005576	-4.111E-06	-0.002262	-3.600E-06
6	D	0.	0.	-0.031437	-0.000015	-0.003138	-0.000014
6	H	0.	0.	-0.009127	-1.917E-06	0.005445	0.000012
6	L	0.	0.	-0.001062	1.040E-06	0.000059	3.548E-06
7	DEAD	8.553E-07	5.119E-07	-0.013053	9.560E-07	-0.000081	-1.243E-06
7	SD_SueloH	0.0088	9.259E-07	-0.006084	6.648E-06	0.003787	-2.948E-06
7	SD_Pav	1.853E-07	6.898E-07	-0.004949	1.682E-06	-0.000075	-1.837E-06
7	Vehicular	2.231E-08	8.303E-08	-0.000596	2.025E-07	-9.056E-06	-2.211E-07
7	SD_AguaBox	1.734E-06	-4.433E-07	-0.000021	-8.076E-07	-0.000037	2.682E-07
7	SD_SueloV	-0.005647	9.884E-07	-0.005583	3.243E-06	-0.002544	-3.650E-06
7	D	-0.008468	3.131E-06	-0.031463	8.535E-06	-0.004026	-9.721E-06
7	H	0.013199	1.389E-06	-0.009126	9.972E-06	0.00568	-4.422E-06
7	L	1.774E-06	-2.980E-07	-0.001063	-4.532E-07	-0.000053	-1.187E-07
8	DEAD	8.553E-07	-5.119E-07	-0.013053	-9.560E-07	-0.000081	1.243E-06
8	SD_SueloH	0.0088	-9.259E-07	-0.006084	-6.648E-06	0.003787	2.948E-06
8	SD_Pav	1.853E-07	-6.898E-07	-0.004949	-1.682E-06	-0.000075	1.837E-06
8	Vehicular	2.231E-08	-8.303E-08	-0.000596	-2.025E-07	-9.056E-06	2.211E-07
8	SD_AguaBox	1.734E-06	4.433E-07	-0.000021	8.076E-07	-0.000037	-2.682E-07
8	SD_SueloV	-0.005647	-9.884E-07	-0.005583	-3.243E-06	-0.002544	3.650E-06
8	D	-0.008468	-3.131E-06	-0.031463	-8.535E-06	-0.004026	9.721E-06
8	H	0.013199	-1.389E-06	-0.009126	-9.972E-06	0.00568	4.422E-06
8	L	1.774E-06	2.980E-07	-0.001063	4.532E-07	-0.000053	1.187E-07
91	DEAD	1.809E-07	-7.521E-07	-0.012931	-0.000015	-0.000126	9.739E-07
91	SD_SueloH	9.109E-06	-3.767E-06	0.003026	0.000019	0.0037	1.688E-06

Table 21: Joint Displacements

Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
91	SD_Pav	6.695E-08	-2.384E-07	-0.004875	-9.179E-06	-0.000073	5.681E-07
91	Vehicular	8.059E-09	-2.870E-08	-0.000587	-1.105E-06	-8.832E-06	6.838E-08
91	SD_AguaBox	-3.134E-07	1.683E-06	6.607E-06	-4.722E-06	-0.000021	8.004E-07
91	SD_SueloV	1.555E-07	-4.998E-07	-0.011475	-0.000019	-0.002546	1.169E-06
91	D	5.507E-07	-2.010E-06	-0.040042	-0.00006	-0.00408	3.774E-06
91	H	0.000014	-5.651E-06	0.004539	0.000029	0.00555	2.532E-06
91	L	-2.993E-07	1.633E-06	-0.00102	-6.656E-06	-0.000037	9.201E-07
92	DEAD	4.026E-07	-4.166E-07	-0.012939	-3.210E-06	-0.000117	-7.889E-07
92	SD_SueloH	0.000017	-3.243E-06	0.003035	3.122E-06	0.003698	-9.254E-06
92	SD_Pav	7.580E-08	-9.740E-08	-0.00488	-1.858E-06	-0.000068	-3.082E-07
92	Vehicular	9.124E-09	-1.172E-08	-0.000587	-2.236E-07	-8.210E-06	-3.710E-08
92	SD_AguaBox	-1.413E-06	1.294E-06	4.011E-06	-1.112E-06	-0.00002	9.114E-07
92	SD_SueloV	1.547E-07	-2.099E-07	-0.011484	-3.464E-06	-0.002536	-6.036E-07
92	D	8.288E-07	-9.609E-07	-0.040073	-0.000012	-0.004047	-2.314E-06
92	H	0.000025	-4.864E-06	0.004552	4.683E-06	0.005547	-0.000014
92	L	-1.397E-06	1.274E-06	-0.001024	-1.504E-06	-0.000034	8.465E-07
93	DEAD	1.029E-06	-4.827E-07	-0.013047	-1.275E-06	-0.00011	1.121E-06
93	SD_SueloH	0.000023	3.079E-06	0.006177	3.961E-07	0.003806	-0.000011
93	SD_Pav	2.296E-07	-2.476E-07	-0.004944	-3.729E-07	-0.000069	7.412E-07
93	Vehicular	2.763E-08	-2.981E-08	-0.000595	-4.489E-08	-8.344E-06	8.922E-08
93	SD_AguaBox	-3.235E-06	2.336E-07	-0.000021	2.100E-07	-0.000039	1.623E-06
93	SD_SueloV	4.664E-07	-5.466E-07	-0.013626	-6.288E-07	-0.002542	1.535E-06
93	D	2.279E-06	-1.771E-06	-0.043511	-3.033E-06	-0.004049	4.760E-06
93	H	0.000034	4.618E-06	0.009265	5.942E-07	0.00571	-0.000017
93	L	-3.187E-06	1.814E-07	-0.001062	1.315E-07	-0.000053	1.779E-06
94	DEAD	4.138E-07	-2.928E-07	-0.01294	-5.242E-08	-0.000116	3.123E-07
94	SD_SueloH	0.000025	-4.505E-07	0.003037	9.458E-07	0.003698	-3.419E-06
94	SD_Pav	3.123E-08	-8.721E-08	-0.00488	5.191E-08	-0.000067	1.974E-07
94	Vehicular	3.760E-09	-1.050E-08	-0.000587	6.249E-09	-8.124E-06	2.376E-08
94	SD_AguaBox	-1.886E-06	7.217E-07	3.595E-06	-2.104E-08	-0.000019	3.625E-07
94	SD_SueloV	3.431E-08	-1.883E-07	-0.011486	1.541E-07	-0.002534	4.381E-07
94	D	5.948E-07	-7.646E-07	-0.040077	2.462E-07	-0.004042	1.328E-06
94	H	0.000038	-6.758E-07	0.004555	1.419E-06	0.005547	-5.128E-06
94	L	-1.880E-06	7.034E-07	-0.001024	-1.011E-08	-0.000033	4.041E-07
95	DEAD	7.055E-07	-3.586E-07	-0.013047	3.694E-07	-0.000108	-1.437E-07
95	SD_SueloH	0.000029	2.283E-06	0.006178	2.116E-06	0.003807	-4.010E-06
95	SD_Pav	1.552E-08	-1.610E-07	-0.004944	2.710E-07	-0.000069	-5.969E-08
95	Vehicular	1.869E-09	-1.938E-08	-0.000595	3.262E-08	-8.247E-06	-7.185E-09
95	SD_AguaBox	-3.609E-06	3.684E-07	-0.000021	8.533E-08	-0.000039	-2.265E-09
95	SD_SueloV	3.197E-09	-3.654E-07	-0.013625	5.778E-07	-0.002541	-9.454E-08
95	D	8.747E-07	-1.220E-06	-0.043511	1.716E-06	-0.004044	-4.038E-07
95	H	0.000044	3.424E-06	0.009267	3.174E-06	0.005711	-6.015E-06
95	L	-3.606E-06	3.344E-07	-0.001062	1.424E-07	-0.000053	-1.484E-08
96	DEAD	3.295E-07	-1.489E-07	-0.01294	3.065E-07	-0.000117	-3.255E-08
96	SD_SueloH	0.000029	8.695E-09	0.003037	4.379E-07	0.003699	-2.266E-06
96	SD_Pav	-9.794E-09	-4.669E-08	-0.00488	2.250E-07	-0.000068	-1.722E-08
96	Vehicular	-1.179E-09	-5.620E-09	-0.000587	2.709E-08	-8.135E-06	-2.073E-09
96	SD_AguaBox	-1.830E-06	3.412E-07	3.686E-06	1.089E-07	-0.000019	-4.933E-08
96	SD_SueloV	-7.239E-08	-1.029E-07	-0.011485	4.561E-07	-0.002534	-2.619E-08
96	D	2.722E-07	-4.031E-07	-0.040076	1.390E-06	-0.004043	-1.042E-07
96	H	0.000044	1.304E-08	0.004556	6.568E-07	0.005548	-3.399E-06
96	L	-1.832E-06	3.314E-07	-0.001024	1.563E-07	-0.000033	-5.296E-08
97	DEAD	6.953E-07	-1.791E-07	-0.013047	-1.147E-07	-0.000109	9.220E-08
97	SD_SueloH	0.000033	1.375E-06	0.006179	4.860E-07	0.003806	-2.353E-06

Table 21: Joint Displacements

Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
97	SD_Pav	6.182E-09	-7.690E-08	-0.004944	2.788E-08	-0.000069	5.772E-08
97	Vehicular	7.441E-10	-9.257E-09	-0.000595	3.356E-09	-8.263E-06	6.948E-09
97	SD_AguaBox	-3.588E-06	2.354E-07	-0.000021	1.013E-07	-0.000039	7.472E-08
97	SD_SueloV	-3.846E-08	-1.768E-07	-0.013625	7.923E-08	-0.002541	1.358E-07
97	D	7.859E-07	-5.955E-07	-0.043511	2.300E-08	-0.004045	4.010E-07
97	H	0.00005	2.063E-06	0.009268	7.290E-07	0.005709	-3.529E-06
97	L	-3.587E-06	2.192E-07	-0.001062	1.072E-07	-0.000053	8.688E-08
98	DEAD	3.377E-07	6.330E-18	-0.01294	4.323E-15	-0.000117	-1.869E-18
98	SD_SueloH	0.000031	-4.987E-18	0.003038	1.333E-15	0.003699	-4.257E-18
98	SD_Pav	-3.552E-09	2.426E-18	-0.00488	1.637E-15	-0.000068	-5.994E-19
98	Vehicular	-4.275E-10	2.932E-19	-0.000587	1.972E-16	-8.147E-06	-6.981E-20
98	SD_AguaBox	-1.797E-06	0.	3.752E-06	6.054E-18	-0.000019	0.
98	SD_SueloV	-6.858E-08	7.820E-18	-0.011485	2.304E-15	-0.002535	1.422E-18
98	D	2.971E-07	2.271E-17	-0.040075	1.110E-14	-0.004044	-2.211E-18
98	H	0.000046	-7.068E-18	0.004556	2.000E-15	0.005548	-6.222E-18
98	L	-1.797E-06	5.454E-19	-0.001024	3.512E-16	-0.000034	-1.215E-19
99	DEAD	6.700E-07	8.011E-18	-0.013047	4.372E-15	-0.000109	5.437E-20
99	SD_SueloH	0.000035	-3.871E-18	0.006179	1.327E-15	0.003806	-1.972E-18
99	SD_Pav	-4.742E-09	2.946E-18	-0.004944	1.653E-15	-0.000069	-5.639E-20
99	Vehicular	-5.708E-10	3.579E-19	-0.000595	1.992E-16	-8.272E-06	0.
99	SD_AguaBox	-3.554E-06	1.212E-20	-0.000021	6.093E-18	-0.000039	0.
99	SD_SueloV	-6.902E-08	8.303E-18	-0.013625	2.342E-15	-0.002541	1.211E-18
99	D	6.934E-07	2.684E-17	-0.043511	1.124E-14	-0.004045	1.985E-18
99	H	0.000052	-5.589E-18	0.009269	1.992E-15	0.005709	-2.878E-18
99	L	-3.555E-06	6.487E-19	-0.001062	3.545E-16	-0.000053	0.
100	DEAD	3.295E-07	1.489E-07	-0.01294	-3.065E-07	-0.000117	3.255E-08
100	SD_SueloH	0.000029	-8.695E-09	0.003037	-4.379E-07	0.003699	2.266E-06
100	SD_Pav	-9.794E-09	4.669E-08	-0.00488	-2.250E-07	-0.000068	1.722E-08
100	Vehicular	-1.179E-09	5.620E-09	-0.000587	-2.709E-08	-8.135E-06	2.073E-09
100	SD_AguaBox	-1.830E-06	-3.412E-07	3.686E-06	-1.089E-07	-0.000019	4.933E-08
100	SD_SueloV	-7.239E-08	1.029E-07	-0.011485	-4.561E-07	-0.002534	2.619E-08
100	D	2.722E-07	4.031E-07	-0.040076	-1.390E-06	-0.004043	1.042E-07
100	H	0.000044	-1.304E-08	0.004556	-6.568E-07	0.005548	3.399E-06
100	L	-1.832E-06	-3.314E-07	-0.001024	-1.563E-07	-0.000033	5.296E-08
101	DEAD	6.953E-07	1.791E-07	-0.013047	1.147E-07	-0.000109	-9.220E-08
101	SD_SueloH	0.000033	-1.375E-06	0.006179	-4.860E-07	0.003806	2.353E-06
101	SD_Pav	6.182E-09	7.690E-08	-0.004944	-2.788E-08	-0.000069	-5.772E-08
101	Vehicular	7.441E-10	9.257E-09	-0.000595	-3.356E-09	-8.263E-06	-6.948E-09
101	SD_AguaBox	-3.588E-06	-2.354E-07	-0.000021	-1.013E-07	-0.000039	-7.472E-08
101	SD_SueloV	-3.846E-08	1.768E-07	-0.013625	-7.923E-08	-0.002541	-1.358E-07
101	D	7.859E-07	5.955E-07	-0.043511	-2.300E-08	-0.004045	-4.010E-07
101	H	0.00005	-2.063E-06	0.009268	-7.290E-07	0.005709	3.529E-06
101	L	-3.587E-06	-2.192E-07	-0.001062	-1.072E-07	-0.000053	-8.688E-08
102	DEAD	4.138E-07	2.928E-07	-0.01294	5.242E-08	-0.000116	-3.123E-07
102	SD_SueloH	0.000025	4.505E-07	0.003037	-9.458E-07	0.003698	3.419E-06
102	SD_Pav	3.123E-08	8.721E-08	-0.00488	-5.191E-08	-0.000067	-1.974E-07
102	Vehicular	3.760E-09	1.050E-08	-0.000587	-6.249E-09	-8.124E-06	-2.376E-08
102	SD_AguaBox	-1.886E-06	-7.217E-07	3.595E-06	2.104E-08	-0.000019	-3.625E-07
102	SD_SueloV	3.431E-08	1.883E-07	-0.011486	-1.541E-07	-0.002534	-4.381E-07
102	D	5.948E-07	7.646E-07	-0.040077	-2.462E-07	-0.004042	-1.328E-06
102	H	0.000038	6.758E-07	0.004555	-1.419E-06	0.005547	5.128E-06
102	L	-1.880E-06	-7.034E-07	-0.001024	1.011E-08	-0.000033	-4.041E-07
103	DEAD	7.055E-07	3.586E-07	-0.013047	-3.694E-07	-0.000108	1.437E-07
103	SD_SueloH	0.000029	-2.283E-06	0.006178	-2.116E-06	0.003807	4.010E-06

Table 21: Joint Displacements

Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
103	SD_Pav	1.552E-08	1.610E-07	-0.004944	-2.710E-07	-0.000069	5.969E-08
103	Vehicular	1.869E-09	1.938E-08	-0.000595	-3.262E-08	-8.247E-06	7.185E-09
103	SD_AguaBox	-3.609E-06	-3.684E-07	-0.000021	-8.533E-08	-0.000039	2.265E-09
103	SD_SueloV	3.197E-09	3.654E-07	-0.013625	-5.778E-07	-0.002541	9.454E-08
103	D	8.747E-07	1.220E-06	-0.043511	-1.716E-06	-0.004044	4.038E-07
103	H	0.000044	-3.424E-06	0.009267	-3.174E-06	0.005711	6.015E-06
103	L	-3.606E-06	-3.344E-07	-0.001062	-1.424E-07	-0.000053	1.484E-08
104	DEAD	4.026E-07	4.166E-07	-0.012939	3.210E-06	-0.000117	7.889E-07
104	SD_SueloH	0.000017	3.243E-06	0.003035	-3.122E-06	0.003698	9.254E-06
104	SD_Pav	7.580E-08	9.740E-08	-0.00488	1.858E-06	-0.000068	3.082E-07
104	Vehicular	9.124E-09	1.172E-08	-0.000587	2.236E-07	-8.210E-06	3.710E-08
104	SD_AguaBox	-1.413E-06	-1.294E-06	4.011E-06	1.112E-06	-0.00002	-9.114E-07
104	SD_SueloV	1.547E-07	2.099E-07	-0.011484	3.464E-06	-0.002536	6.036E-07
104	D	8.288E-07	9.609E-07	-0.040073	0.000012	-0.004047	2.314E-06
104	H	0.000025	4.864E-06	0.004552	-4.683E-06	0.005547	0.000014
104	L	-1.397E-06	-1.274E-06	-0.001024	1.504E-06	-0.000034	-8.465E-07
105	DEAD	1.029E-06	4.827E-07	-0.013047	1.275E-06	-0.00011	-1.121E-06
105	SD_SueloH	0.000023	-3.079E-06	0.006177	-3.961E-07	0.003806	0.000011
105	SD_Pav	2.296E-07	2.476E-07	-0.004944	3.729E-07	-0.000069	-7.412E-07
105	Vehicular	2.763E-08	2.981E-08	-0.000595	4.489E-08	-8.344E-06	-8.922E-08
105	SD_AguaBox	-3.235E-06	-2.336E-07	-0.000021	-2.100E-07	-0.000039	-1.623E-06
105	SD_SueloV	4.664E-07	5.466E-07	-0.013626	6.288E-07	-0.002542	-1.535E-06
105	D	2.279E-06	1.771E-06	-0.043511	3.033E-06	-0.004049	-4.760E-06
105	H	0.000034	-4.618E-06	0.009265	-5.942E-07	0.00571	0.000017
105	L	-3.187E-06	-1.814E-07	-0.001062	-1.315E-07	-0.000053	-1.779E-06
106	DEAD	1.809E-07	7.521E-07	-0.012931	0.000015	-0.000126	-9.739E-07
106	SD_SueloH	9.109E-06	3.767E-06	0.003026	-0.000019	0.0037	-1.688E-06
106	SD_Pav	6.695E-08	2.384E-07	-0.004875	9.179E-06	-0.000073	-5.681E-07
106	Vehicular	8.059E-09	2.870E-08	-0.000587	1.105E-06	-8.832E-06	-6.838E-08
106	SD_AguaBox	-3.134E-07	-1.683E-06	6.607E-06	4.722E-06	-0.000021	-8.004E-07
106	SD_SueloV	1.555E-07	4.998E-07	-0.011475	0.000019	-0.002546	-1.169E-06
106	D	5.507E-07	2.010E-06	-0.040042	0.00006	-0.00408	-3.774E-06
106	H	0.000014	5.651E-06	0.004539	-0.000029	0.00555	-2.532E-06
106	L	-2.993E-07	-1.633E-06	-0.00102	6.656E-06	-0.000037	-9.201E-07
107	DEAD	5.316E-19	-5.437E-07	-0.012873	-0.000026	-6.989E-15	3.087E-18
107	SD_SueloH	0.00001	-3.869E-06	-0.000035	0.000012	0.00362	-6.129E-06
107	SD_Pav	2.485E-19	-1.073E-07	-0.004842	-0.000015	-2.647E-15	1.508E-18
107	Vehicular	3.482E-20	-1.291E-08	-0.000583	-1.833E-06	-3.188E-16	1.156E-19
107	SD_AguaBox	1.607E-20	1.888E-06	0.000015	-5.151E-06	-8.619E-18	0.
107	SD_SueloV	3.101E-08	-2.085E-07	-0.009401	-0.00003	-0.002397	1.192E-08
107	D	4.651E-08	-1.126E-06	-0.036811	-0.000099	-0.003595	1.788E-08
107	H	0.000016	-5.803E-06	-0.000052	0.000017	0.00543	-9.193E-06
107	L	8.129E-20	1.865E-06	-0.001004	-8.358E-06	-5.658E-16	2.424E-19
108	DEAD	-2.149E-19	-5.545E-07	-0.012885	-4.083E-06	-6.993E-15	-6.365E-19
108	SD_SueloH	0.000014	-3.265E-06	-0.000028	3.490E-06	0.003625	2.183E-06
108	SD_Pav	-1.392E-19	-1.393E-07	-0.004849	-2.438E-06	-2.652E-15	-3.206E-19
108	Vehicular	0.	-1.677E-08	-0.000584	-2.935E-07	-3.189E-16	0.
108	SD_AguaBox	1.569E-20	1.592E-06	0.000012	-1.528E-06	-8.641E-18	0.
108	SD_SueloV	1.144E-09	-2.707E-07	-0.009415	-4.734E-06	-0.002397	5.290E-08
108	D	1.716E-09	-1.280E-06	-0.036858	-0.000016	-0.003596	7.935E-08
108	H	0.000021	-4.897E-06	-0.000042	5.236E-06	0.005437	3.275E-06
108	L	2.308E-20	1.562E-06	-0.001009	-2.042E-06	-5.660E-16	-3.579E-20
109	DEAD	-9.804E-19	-2.785E-07	-0.012887	-3.848E-08	-7.005E-15	1.991E-18
109	SD_SueloH	0.00002	-1.984E-06	-0.000026	3.191E-07	0.003626	-5.579E-06

Table 21: Joint Displacements

Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
109	SD_Pav	-4.870E-19	-5.383E-08	-0.00485	2.488E-08	-2.654E-15	8.991E-19
109	Vehicular	-3.053E-20	-6.480E-09	-0.000584	2.995E-09	-3.193E-16	7.258E-20
109	SD_AguaBox	1.789E-20	9.672E-07	0.000012	-1.048E-07	-8.677E-18	0.
109	SD_SueloV	-2.621E-08	-1.046E-07	-0.009417	4.833E-08	-0.002397	1.403E-09
109	D	-3.931E-08	-5.719E-07	-0.036864	6.363E-08	-0.003596	2.105E-09
109	H	0.00003	-2.976E-06	-0.000039	4.787E-07	0.005439	-8.369E-06
109	L	-3.298E-20	9.559E-07	-0.00101	-9.954E-08	-5.669E-16	1.663E-19
110	DEAD	-1.797E-18	-1.334E-07	-0.012887	4.170E-07	-7.030E-15	-2.759E-19
110	SD_SueloH	0.000025	-8.018E-07	-0.000026	-2.573E-07	0.003627	-1.368E-06
110	SD_Pav	-8.076E-19	-3.265E-08	-0.00485	2.890E-07	-2.664E-15	-9.586E-20
110	Vehicular	-6.853E-20	-3.930E-09	-0.000584	3.479E-08	-3.207E-16	0.
110	SD_AguaBox	1.776E-20	3.907E-07	0.000012	1.405E-07	-8.709E-18	0.
110	SD_SueloV	-5.275E-08	-6.343E-08	-0.009416	5.611E-07	-0.002397	2.868E-08
110	D	-7.912E-08	-3.042E-07	-0.036863	1.776E-06	-0.003596	4.302E-08
110	H	0.000038	-1.203E-06	-0.000039	-3.859E-07	0.00544	-2.051E-06
110	L	-9.864E-20	3.839E-07	-0.00101	2.013E-07	-5.687E-16	-1.065E-20
111	DEAD	-1.748E-18	5.895E-18	-0.012886	4.302E-15	-7.048E-15	7.144E-19
111	SD_SueloH	0.000027	-6.581E-18	-0.000026	1.372E-15	0.003627	-1.256E-18
111	SD_Pav	-7.403E-19	2.347E-18	-0.004849	1.629E-15	-2.670E-15	2.358E-19
111	Vehicular	-7.221E-20	2.798E-19	-0.000584	1.961E-16	-3.212E-16	2.799E-20
111	SD_AguaBox	1.755E-20	0.	0.000012	6.050E-18	-8.744E-18	0.
111	SD_SueloV	-6.326E-08	8.573E-18	-0.009416	2.263E-15	-0.002397	1.299E-18
111	D	-9.490E-08	2.347E-17	-0.036862	1.100E-14	-0.003596	4.319E-18
111	H	0.00004	-9.334E-18	-0.00004	2.060E-15	0.005441	-1.679E-18
111	L	-1.071E-19	5.569E-19	-0.00101	3.493E-16	-5.703E-16	1.005E-19
112	DEAD	-5.658E-19	1.334E-07	-0.012887	-4.170E-07	-7.063E-15	-1.206E-18
112	SD_SueloH	0.000025	8.018E-07	-0.000026	2.573E-07	0.003627	1.368E-06
112	SD_Pav	-2.351E-19	3.265E-08	-0.00485	-2.890E-07	-2.676E-15	-3.678E-19
112	Vehicular	-2.093E-20	3.930E-09	-0.000584	-3.479E-08	-3.218E-16	-3.655E-20
112	SD_AguaBox	1.747E-20	-3.907E-07	0.000012	-1.405E-07	-8.762E-18	0.
112	SD_SueloV	-5.275E-08	6.343E-08	-0.009416	-5.611E-07	-0.002397	-2.868E-08
112	D	-7.912E-08	3.042E-07	-0.036863	-1.776E-06	-0.003596	-4.302E-08
112	H	0.000038	1.203E-06	-0.000039	3.859E-07	0.00544	2.051E-06
112	L	-2.827E-20	-3.839E-07	-0.00101	-2.013E-07	-5.714E-16	-7.104E-20
113	DEAD	5.773E-19	2.785E-07	-0.012887	3.848E-08	-7.073E-15	6.322E-19
113	SD_SueloH	0.00002	1.984E-06	-0.000026	-3.191E-07	0.003626	5.579E-06
113	SD_Pav	2.083E-19	5.383E-08	-0.00485	-2.488E-08	-2.681E-15	2.707E-19
113	Vehicular	2.769E-20	6.480E-09	-0.000584	-2.995E-09	-3.226E-16	2.336E-20
113	SD_AguaBox	1.562E-20	-9.672E-07	0.000012	1.048E-07	-8.787E-18	0.
113	SD_SueloV	-2.621E-08	1.046E-07	-0.009417	-4.833E-08	-0.002397	-1.403E-09
113	D	-3.931E-08	5.719E-07	-0.036864	-6.363E-08	-0.003596	-2.105E-09
113	H	0.00003	2.976E-06	-0.000039	-4.787E-07	0.005439	8.369E-06
113	L	4.577E-20	-9.559E-07	-0.00101	9.954E-08	-5.727E-16	9.931E-20
114	DEAD	9.657E-19	5.545E-07	-0.012885	4.083E-06	-7.083E-15	-2.132E-18
114	SD_SueloH	0.000014	3.265E-06	-0.000028	-3.490E-06	0.003625	-2.183E-06
114	SD_Pav	3.158E-19	1.393E-07	-0.004849	2.438E-06	-2.684E-15	-8.339E-19
114	Vehicular	4.218E-20	1.677E-08	-0.000584	2.935E-07	-3.230E-16	-9.411E-20
114	SD_AguaBox	1.181E-20	-1.592E-06	0.000012	1.528E-06	-8.824E-18	0.
114	SD_SueloV	1.144E-09	2.707E-07	-0.009415	4.734E-06	-0.002397	-5.290E-08
114	D	1.716E-09	1.280E-06	-0.036858	0.000016	-0.003596	-7.935E-08
114	H	0.000021	4.897E-06	-0.000042	-5.236E-06	0.005437	-3.275E-06
114	L	6.255E-20	-1.562E-06	-0.001009	2.042E-06	-5.737E-16	-1.793E-19
115	DEAD	9.768E-19	5.437E-07	-0.012873	0.000026	-7.087E-15	1.939E-18
115	SD_SueloH	0.00001	3.869E-06	-0.000035	-0.000012	0.00362	6.129E-06

Table 21: Joint Displacements

Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
115	SD_Pav	2.142E-19	1.073E-07	-0.004842	0.000015	-2.686E-15	1.074E-18
115	Vehicular	3.491E-20	1.291E-08	-0.000583	1.833E-06	-3.231E-16	1.081E-19
115	SD_AguaBox	0.	-1.888E-06	0.000015	5.151E-06	-8.859E-18	0.
115	SD_SueloV	3.101E-08	2.085E-07	-0.009401	0.00003	-0.002397	-1.192E-08
115	D	4.651E-08	1.126E-06	-0.036811	0.000099	-0.003595	-1.788E-08
115	H	0.000016	5.803E-06	-0.000052	-0.000017	0.00543	9.193E-06
115	L	3.918E-20	-1.865E-06	-0.001004	8.358E-06	-5.737E-16	2.452E-19
116	DEAD	-1.809E-07	-7.521E-07	-0.012931	-0.000015	0.000126	-9.739E-07
116	SD_SueloH	7.827E-06	-3.131E-06	-0.003056	1.842E-06	0.003605	4.916E-06
116	SD_Pav	-6.695E-08	-2.384E-07	-0.004875	-9.179E-06	0.000073	-5.681E-07
116	Vehicular	-8.059E-09	-2.870E-08	-0.000587	-1.105E-06	8.832E-06	-6.838E-08
116	SD_AguaBox	3.134E-07	1.683E-06	6.607E-06	-4.722E-06	0.000021	-8.004E-07
116	SD_SueloV	-1.046E-07	-4.264E-07	-0.007456	-0.000017	-0.002261	-1.037E-06
116	D	-4.743E-07	-1.900E-06	-0.034014	-0.000057	-0.00313	-3.577E-06
116	H	0.000012	-4.696E-06	-0.004584	2.764E-06	0.005407	7.374E-06
116	L	2.993E-07	1.633E-06	-0.00102	-6.656E-06	0.000037	-9.201E-07
117	DEAD	-4.026E-07	-4.166E-07	-0.012939	-3.210E-06	0.000117	7.889E-07
117	SD_SueloH	0.000011	-2.060E-06	-0.003053	1.995E-06	0.003609	-5.474E-06
117	SD_Pav	-7.580E-08	-9.740E-08	-0.00488	-1.858E-06	0.000068	3.082E-07
117	Vehicular	-9.124E-09	-1.172E-08	-0.000587	-2.236E-07	8.210E-06	3.710E-08
117	SD_AguaBox	1.413E-06	1.294E-06	4.011E-06	-1.112E-06	0.00002	-9.114E-07
117	SD_SueloV	-1.399E-07	-1.686E-07	-0.007465	-3.750E-06	-0.002271	5.936E-07
117	D	-8.067E-07	-8.989E-07	-0.034044	-0.000012	-0.003163	2.299E-06
117	H	0.000016	-3.090E-06	-0.004579	2.993E-06	0.005414	-8.210E-06
117	L	1.397E-06	1.274E-06	-0.001024	-1.504E-06	0.000034	-8.465E-07
118	DEAD	-4.138E-07	-2.928E-07	-0.01294	-5.242E-08	0.000116	-3.123E-07
118	SD_SueloH	0.000017	-2.506E-06	-0.003053	-6.664E-07	0.003611	-1.931E-06
118	SD_Pav	-3.123E-08	-8.721E-08	-0.00488	5.191E-08	0.000067	-1.974E-07
118	Vehicular	-3.760E-09	-1.050E-08	-0.000587	6.249E-09	8.124E-06	-2.376E-08
118	SD_AguaBox	1.886E-06	7.217E-07	3.595E-06	-2.104E-08	0.000019	-3.625E-07
118	SD_SueloV	-8.734E-08	-1.506E-07	-0.007467	4.742E-08	-0.002272	-3.283E-07
118	D	-6.744E-07	-7.081E-07	-0.034049	8.610E-08	-0.003167	-1.163E-06
118	H	0.000026	-3.760E-06	-0.004579	-9.995E-07	0.005417	-2.897E-06
118	L	1.880E-06	7.034E-07	-0.001024	-1.011E-08	0.000033	-4.041E-07
119	DEAD	-3.295E-07	-1.489E-07	-0.01294	3.065E-07	0.000117	3.255E-08
119	SD_SueloH	0.000021	-1.405E-06	-0.003054	-8.165E-07	0.003612	-2.457E-06
119	SD_Pav	9.794E-09	-4.669E-08	-0.00488	2.250E-07	0.000068	1.722E-08
119	Vehicular	1.179E-09	-5.620E-09	-0.000587	2.709E-08	8.135E-06	2.073E-09
119	SD_AguaBox	1.830E-06	3.412E-07	3.686E-06	1.089E-07	0.000019	4.933E-08
119	SD_SueloV	-3.470E-08	-7.848E-08	-0.007466	4.177E-07	-0.002272	4.066E-08
119	D	-4.328E-07	-3.665E-07	-0.034048	1.332E-06	-0.003167	1.259E-07
119	H	0.000032	-2.107E-06	-0.004581	-1.225E-06	0.005418	-3.685E-06
119	L	1.832E-06	3.314E-07	-0.001024	1.563E-07	0.000033	5.296E-08
120	DEAD	-3.377E-07	7.105E-18	-0.01294	4.346E-15	0.000117	-4.367E-20
120	SD_SueloH	0.000023	-9.133E-18	-0.003054	1.425E-15	0.003612	-5.911E-18
120	SD_Pav	3.552E-09	2.836E-18	-0.00488	1.646E-15	0.000068	-1.510E-19
120	Vehicular	4.275E-10	3.427E-19	-0.000587	1.982E-16	8.147E-06	0.
120	SD_AguaBox	1.797E-06	1.388E-20	3.752E-06	6.093E-18	0.000019	0.
120	SD_SueloV	-5.513E-08	1.098E-17	-0.007466	2.261E-15	-0.002272	3.490E-18
120	D	-4.827E-07	2.904E-17	-0.034047	1.107E-14	-0.003166	3.585E-18
120	H	0.000035	-1.270E-17	-0.004581	2.139E-15	0.005419	-8.444E-18
120	L	1.797E-06	7.057E-19	-0.001024	3.529E-16	0.000034	2.525E-20
121	DEAD	-3.295E-07	1.489E-07	-0.01294	-3.065E-07	0.000117	-3.255E-08
121	SD_SueloH	0.000021	1.405E-06	-0.003054	8.165E-07	0.003612	2.457E-06

Table 21: Joint Displacements

Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
121	SD_Pav	9.794E-09	4.669E-08	-0.00488	-2.250E-07	0.000068	-1.722E-08
121	Vehicular	1.179E-09	5.620E-09	-0.000587	-2.709E-08	8.135E-06	-2.073E-09
121	SD_AguaBox	1.830E-06	-3.412E-07	3.686E-06	-1.089E-07	0.000019	-4.933E-08
121	SD_SueloV	-3.470E-08	7.848E-08	-0.007466	-4.177E-07	-0.002272	-4.066E-08
121	D	-4.328E-07	3.665E-07	-0.034048	-1.332E-06	-0.003167	-1.259E-07
121	H	0.000032	2.107E-06	-0.004581	1.225E-06	0.005418	3.685E-06
121	L	1.832E-06	-3.314E-07	-0.001024	-1.563E-07	0.000033	-5.296E-08
122	DEAD	-4.138E-07	2.928E-07	-0.01294	5.242E-08	0.000116	3.123E-07
122	SD_SueloH	0.000017	2.506E-06	-0.003053	6.664E-07	0.003611	1.931E-06
122	SD_Pav	-3.123E-08	8.721E-08	-0.00488	-5.191E-08	0.000067	1.974E-07
122	Vehicular	-3.760E-09	1.050E-08	-0.000587	-6.249E-09	8.124E-06	2.376E-08
122	SD_AguaBox	1.886E-06	-7.217E-07	3.595E-06	2.104E-08	0.000019	3.625E-07
122	SD_SueloV	-8.734E-08	1.506E-07	-0.007467	-4.742E-08	-0.002272	3.283E-07
122	D	-6.744E-07	7.081E-07	-0.034049	-8.610E-08	-0.003167	1.163E-06
122	H	0.000026	3.760E-06	-0.004579	9.995E-07	0.005417	2.897E-06
122	L	1.880E-06	-7.034E-07	-0.001024	1.011E-08	0.000033	4.041E-07
123	DEAD	-4.026E-07	4.166E-07	-0.012939	3.210E-06	0.000117	-7.889E-07
123	SD_SueloH	0.000011	2.060E-06	-0.003053	-1.995E-06	0.003609	5.474E-06
123	SD_Pav	-7.580E-08	9.740E-08	-0.00488	1.858E-06	0.000068	-3.082E-07
123	Vehicular	-9.124E-09	1.172E-08	-0.000587	2.236E-07	8.210E-06	-3.710E-08
123	SD_AguaBox	1.413E-06	-1.294E-06	4.011E-06	1.112E-06	0.00002	9.114E-07
123	SD_SueloV	-1.399E-07	1.686E-07	-0.007465	3.750E-06	-0.002271	-5.936E-07
123	D	-8.067E-07	8.989E-07	-0.034044	0.000012	-0.003163	-2.299E-06
123	H	0.000016	3.090E-06	-0.004579	-2.993E-06	0.005414	8.210E-06
123	L	1.397E-06	-1.274E-06	-0.001024	1.504E-06	0.000034	8.465E-07
124	DEAD	-1.809E-07	7.521E-07	-0.012931	0.000015	0.000126	9.739E-07
124	SD_SueloH	7.827E-06	3.131E-06	-0.003056	-1.842E-06	0.003605	-4.916E-06
124	SD_Pav	-6.695E-08	2.384E-07	-0.004875	9.179E-06	0.000073	5.681E-07
124	Vehicular	-8.059E-09	2.870E-08	-0.000587	1.105E-06	8.832E-06	6.838E-08
124	SD_AguaBox	3.134E-07	-1.683E-06	6.607E-06	4.722E-06	0.000021	8.004E-07
124	SD_SueloV	-1.046E-07	4.264E-07	-0.007456	0.000017	-0.002261	1.037E-06
124	D	-4.743E-07	1.900E-06	-0.034014	0.000057	-0.00313	3.577E-06
124	H	0.000012	4.696E-06	-0.004584	-2.764E-06	0.005407	-7.374E-06
124	L	2.993E-07	-1.633E-06	-0.00102	6.656E-06	0.000037	9.201E-07
125	DEAD	-1.029E-06	-4.827E-07	-0.013047	-1.275E-06	0.00011	-1.121E-06
125	SD_SueloH	9.612E-06	-4.011E-06	-0.006084	-1.110E-06	0.003633	-4.428E-06
125	SD_Pav	-2.296E-07	-2.476E-07	-0.004944	-3.729E-07	0.000069	-7.412E-07
125	Vehicular	-2.763E-08	-2.981E-08	-0.000595	-4.489E-08	8.344E-06	-8.922E-08
125	SD_AguaBox	3.235E-06	2.336E-07	-0.000021	2.100E-07	0.000039	-1.623E-06
125	SD_SueloV	-4.257E-07	-4.151E-07	-0.005575	-8.199E-07	-0.002273	-1.343E-06
125	D	-2.218E-06	-1.573E-06	-0.031436	-3.319E-06	-0.003174	-4.472E-06
125	H	0.000014	-6.016E-06	-0.009126	-1.665E-06	0.005449	-6.642E-06
125	L	3.187E-06	1.814E-07	-0.001062	1.315E-07	0.000053	-1.779E-06
126	DEAD	-7.055E-07	-3.586E-07	-0.013047	3.694E-07	0.000108	1.437E-07
126	SD_SueloH	0.000015	-3.768E-06	-0.006085	-2.288E-06	0.003634	-3.974E-06
126	SD_Pav	-1.552E-08	-1.610E-07	-0.004944	2.710E-07	0.000069	5.969E-08
126	Vehicular	-1.869E-09	-1.938E-08	-0.000595	3.262E-08	8.247E-06	7.185E-09
126	SD_AguaBox	3.609E-06	3.684E-07	-0.000021	8.533E-08	0.000039	2.265E-09
126	SD_SueloV	-5.777E-08	-2.599E-07	-0.005575	4.745E-07	-0.002275	1.373E-07
126	D	-9.566E-07	-1.062E-06	-0.031436	1.562E-06	-0.003179	4.679E-07
126	H	0.000022	-5.652E-06	-0.009128	-3.432E-06	0.00545	-5.961E-06
126	L	3.606E-06	3.344E-07	-0.001062	1.424E-07	0.000053	1.484E-08
127	DEAD	-6.953E-07	-1.791E-07	-0.013047	-1.147E-07	0.000109	-9.220E-08
127	SD_SueloH	0.000019	-2.328E-06	-0.006086	-8.170E-07	0.003632	-2.046E-06

Table 21: Joint Displacements

Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
127	SD_Pav	-6.182E-09	-7.690E-08	-0.004944	2.788E-08	0.000069	-5.772E-08
127	Vehicular	-7.441E-10	-9.257E-09	-0.000595	3.356E-09	8.263E-06	-6.948E-09
127	SD_AguaBox	3.588E-06	2.354E-07	-0.000021	1.013E-07	0.000039	-7.472E-08
127	SD_SueloV	-6.316E-08	-1.219E-07	-0.005575	2.891E-08	-0.002274	-8.832E-08
127	D	-9.383E-07	-5.131E-07	-0.031436	-5.248E-08	-0.003178	-3.297E-07
127	H	0.000028	-3.492E-06	-0.00913	-1.226E-06	0.005449	-3.068E-06
127	L	3.587E-06	2.192E-07	-0.001062	1.072E-07	0.000053	-8.688E-08
128	DEAD	-6.700E-07	8.167E-18	-0.013047	4.392E-15	0.000109	-6.262E-19
128	SD_SueloH	0.00002	-1.374E-17	-0.006087	1.455E-15	0.003632	-4.579E-18
128	SD_Pav	4.742E-09	3.151E-18	-0.004944	1.663E-15	0.000069	-2.840E-19
128	Vehicular	5.708E-10	3.915E-19	-0.000595	2.002E-16	8.272E-06	-2.105E-20
128	SD_AguaBox	3.554E-06	1.627E-20	-0.000021	6.142E-18	0.000039	0.
128	SD_SueloV	-5.129E-08	1.446E-17	-0.005575	2.276E-15	-0.002274	2.374E-18
128	D	-8.739E-07	3.491E-17	-0.031436	1.118E-14	-0.003178	2.076E-18
128	H	0.00003	-1.917E-17	-0.00913	2.184E-15	0.005448	-6.653E-18
128	L	3.555E-06	8.212E-19	-0.001062	3.566E-16	0.000053	-2.359E-20
129	DEAD	-6.953E-07	1.791E-07	-0.013047	1.147E-07	0.000109	9.220E-08
129	SD_SueloH	0.000019	2.328E-06	-0.006086	8.170E-07	0.003632	2.046E-06
129	SD_Pav	-6.182E-09	7.690E-08	-0.004944	-2.788E-08	0.000069	5.772E-08
129	Vehicular	-7.441E-10	9.257E-09	-0.000595	-3.356E-09	8.263E-06	6.948E-09
129	SD_AguaBox	3.588E-06	-2.354E-07	-0.000021	-1.013E-07	0.000039	7.472E-08
129	SD_SueloV	-6.316E-08	1.219E-07	-0.005575	-2.891E-08	-0.002274	8.832E-08
129	D	-9.383E-07	5.131E-07	-0.031436	5.248E-08	-0.003178	3.297E-07
129	H	0.000028	3.492E-06	-0.00913	1.226E-06	0.005449	3.068E-06
129	L	3.587E-06	-2.192E-07	-0.001062	-1.072E-07	0.000053	8.688E-08
130	DEAD	-7.055E-07	3.586E-07	-0.013047	-3.694E-07	0.000108	-1.437E-07
130	SD_SueloH	0.000015	3.768E-06	-0.006085	2.288E-06	0.003634	3.974E-06
130	SD_Pav	-1.552E-08	1.610E-07	-0.004944	-2.710E-07	0.000069	-5.969E-08
130	Vehicular	-1.869E-09	1.938E-08	-0.000595	-3.262E-08	8.247E-06	-7.185E-09
130	SD_AguaBox	3.609E-06	-3.684E-07	-0.000021	-8.533E-08	0.000039	-2.265E-09
130	SD_SueloV	-5.777E-08	2.599E-07	-0.005575	-4.745E-07	-0.002275	-1.373E-07
130	D	-9.566E-07	1.062E-06	-0.031436	-1.562E-06	-0.003179	-4.679E-07
130	H	0.000022	5.652E-06	-0.009128	3.432E-06	0.00545	5.961E-06
130	L	3.606E-06	-3.344E-07	-0.001062	-1.424E-07	0.000053	-1.484E-08
131	DEAD	-1.029E-06	4.827E-07	-0.013047	1.275E-06	0.00011	1.121E-06
131	SD_SueloH	9.612E-06	4.011E-06	-0.006084	1.110E-06	0.003633	4.428E-06
131	SD_Pav	-2.296E-07	2.476E-07	-0.004944	3.729E-07	0.000069	7.412E-07
131	Vehicular	-2.763E-08	2.981E-08	-0.000595	4.489E-08	8.344E-06	8.922E-08
131	SD_AguaBox	3.235E-06	-2.336E-07	-0.000021	-2.100E-07	0.000039	1.623E-06
131	SD_SueloV	-4.257E-07	4.151E-07	-0.005575	8.199E-07	-0.002273	1.343E-06
131	D	-2.218E-06	1.573E-06	-0.031436	3.319E-06	-0.003174	4.472E-06
131	H	0.000014	6.016E-06	-0.009126	1.665E-06	0.005449	6.642E-06
131	L	3.187E-06	-1.814E-07	-0.001062	-1.315E-07	0.000053	1.779E-06
132	DEAD	-2.816E-07	-3.156E-07	-0.013122	9.564E-06	0.000068	6.113E-07
132	SD_SueloH	0.008807	-1.804E-06	0.003154	-3.530E-06	0.00361	-1.192E-06
132	SD_Pav	4.612E-08	-5.761E-07	-0.005019	9.583E-06	0.000074	7.779E-07
132	Vehicular	5.551E-09	-6.935E-08	-0.000604	1.154E-06	8.856E-06	9.363E-08
132	SD_AguaBox	-8.223E-07	6.070E-07	-0.000044	3.580E-06	0.000019	3.096E-08
132	SD_SueloV	-0.005647	-1.257E-06	-0.011763	0.00002	-0.002261	1.806E-06
132	D	-0.00847	-3.128E-06	-0.040919	0.000056	-0.003199	4.609E-06
132	H	0.01321	-2.705E-06	0.004731	-5.295E-06	0.005416	-1.787E-06
132	L	-8.126E-07	4.856E-07	-0.001102	5.598E-06	0.000034	1.948E-07
133	DEAD	-3.284E-07	-2.870E-07	-0.013116	2.114E-06	0.000063	-1.488E-07
133	SD_SueloH	0.008807	-1.308E-06	0.003152	-2.419E-07	0.003615	8.473E-07

Table 21: Joint Displacements

Joint	OutputCase	U1	U2	U3	R1	R2	R3
		m	m	m	Radians	Radians	Radians
133	SD_Pav	9.390E-09	-4.488E-07	-0.005014	2.199E-06	0.000068	-2.807E-07
133	Vehicular	1.130E-09	-5.402E-08	-0.000604	2.647E-07	8.240E-06	-3.379E-08
133	SD_AguaBox	-8.563E-07	4.106E-07	-0.000043	5.917E-07	0.000018	7.680E-08
133	SD_SueloV	-0.005647	-9.998E-07	-0.011752	4.240E-06	-0.002271	-4.431E-07
133	D	-0.008471	-2.517E-06	-0.040889	0.000012	-0.003227	-1.264E-06
133	H	0.01321	-1.962E-06	0.004728	-3.628E-07	0.005422	1.271E-06
133	L	-8.543E-07	3.161E-07	-0.001099	1.055E-06	0.000032	1.767E-08
134	DEAD	-4.823E-07	-4.609E-07	-0.013053	1.553E-07	0.000074	4.168E-07
134	SD_SueloH	0.008809	-1.311E-06	0.006178	4.805E-07	0.003616	-8.156E-07
134	SD_Pav	1.937E-07	-6.082E-07	-0.004949	7.120E-07	0.000069	6.131E-07
134	Vehicular	2.332E-08	-7.321E-08	-0.000596	8.570E-08	8.363E-06	7.380E-08
134	SD_AguaBox	-1.659E-06	3.560E-07	-0.000021	-2.460E-07	0.000035	-3.654E-08
134	SD_SueloV	-0.005647	-1.462E-06	-0.013636	1.462E-06	-0.002264	1.416E-06
134	D	-0.00847	-3.659E-06	-0.043542	3.447E-06	-0.003202	3.544E-06
134	H	0.013213	-1.966E-06	0.009266	7.208E-07	0.005423	-1.223E-06
134	L	-1.618E-06	2.279E-07	-0.001063	-9.600E-08	0.00005	9.261E-08
135	DEAD	-2.968E-07	-2.093E-07	-0.013116	1.019E-07	0.000063	9.032E-08
135	SD_SueloH	0.008807	-9.095E-07	0.003153	1.132E-06	0.003616	-4.229E-07
135	SD_Pav	3.539E-08	-3.190E-07	-0.005013	1.483E-07	0.000068	1.426E-07
135	Vehicular	4.260E-09	-3.839E-08	-0.000603	1.785E-08	8.151E-06	1.716E-08
135	SD_AguaBox	-8.505E-07	2.732E-07	-0.000042	-6.006E-08	0.000017	-1.361E-08
135	SD_SueloV	-0.005647	-7.116E-07	-0.011751	3.107E-07	-0.002272	4.248E-07
135	D	-0.008471	-1.797E-06	-0.040884	8.108E-07	-0.003232	9.594E-07
135	H	0.01321	-1.364E-06	0.004729	1.699E-06	0.005425	-6.343E-07
135	L	-8.430E-07	2.061E-07	-0.001098	-2.883E-08	0.000032	1.642E-08
136	DEAD	-6.168E-07	-2.941E-07	-0.013053	-1.054E-07	0.000073	2.239E-08
136	SD_SueloH	0.008809	-9.005E-07	0.006179	1.694E-06	0.003614	2.265E-07
136	SD_Pav	3.173E-08	-3.933E-07	-0.004949	-1.135E-07	0.000069	-4.776E-08
136	Vehicular	3.820E-09	-4.734E-08	-0.000596	-1.366E-08	8.264E-06	-5.749E-09
136	SD_AguaBox	-1.703E-06	2.296E-07	-0.000021	3.508E-08	0.000035	8.142E-08
136	SD_SueloV	-0.005647	-9.572E-07	-0.013636	-1.685E-07	-0.002265	-4.981E-09
136	D	-0.008471	-2.379E-06	-0.043541	-5.493E-07	-0.003207	-5.224E-08
136	H	0.013213	-1.351E-06	0.009268	2.541E-06	0.005421	3.398E-07
136	L	-1.696E-06	1.467E-07	-0.001063	1.118E-08	0.000049	7.136E-08
137	DEAD	-3.176E-07	-1.133E-07	-0.013116	-1.533E-07	0.000063	7.640E-09
137	SD_SueloH	0.008807	-4.308E-07	0.003154	9.174E-07	0.003617	2.557E-07
137	SD_Pav	9.993E-09	-1.668E-07	-0.005013	-1.334E-07	0.000068	-1.099E-08
137	Vehicular	1.203E-09	-2.008E-08	-0.000603	-1.606E-08	8.163E-06	-1.323E-09
137	SD_AguaBox	-8.568E-07	1.310E-07	-0.000042	-6.842E-08	0.000017	2.706E-08
137	SD_SueloV	-0.005647	-3.718E-07	-0.011751	-2.385E-07	-0.002272	2.057E-08
137	D	-0.008471	-9.438E-07	-0.040885	-7.417E-07	-0.003231	2.354E-08
137	H	0.01321	-6.462E-07	0.004731	1.376E-06	0.005426	3.835E-07
137	L	-8.547E-07	9.584E-08	-0.001098	-9.652E-08	0.000032	2.474E-08
138	DEAD	-6.144E-07	-1.408E-07	-0.013053	-1.790E-08	0.000073	1.696E-08
138	SD_SueloH	0.008809	-5.213E-07	0.00618	4.442E-07	0.003613	-5.064E-08
138	SD_Pav	4.527E-08	-1.904E-07	-0.004949	9.116E-08	0.000069	3.119E-08
138	Vehicular	5.449E-09	-2.292E-08	-0.000596	1.097E-08	8.283E-06	3.754E-09
138	SD_AguaBox	-1.709E-06	1.096E-07	-0.000021	7.400E-09	0.000035	-9.125E-09
138	SD_SueloV	-0.005647	-4.663E-07	-0.013636	2.140E-07	-0.002265	1.277E-07
138	D	-0.008471	-1.154E-06	-0.043541	4.363E-07	-0.003206	2.587E-07
138	H	0.013213	-7.820E-07	0.00927	6.663E-07	0.00542	-7.596E-08
138	L	-1.700E-06	6.945E-08	-0.001063	2.660E-08	0.000049	-2.555E-09
139	DEAD	-3.122E-07	-1.026E-14	-0.013116	4.361E-15	0.000063	-1.840E-17
139	SD_SueloH	0.008807	-3.214E-15	0.003154	1.352E-15	0.003617	-9.021E-17