

Node Data

Node No	X	Y	Z	Node No	X	Y	Z
1	0.000	0.000	9.440	55	23.712	2.758	9.850
2	1.060	-0.027	9.440	56	23.987	2.765	9.850
3	3.626	-0.093	9.440	57	24.261	2.772	9.850
4	4.686	-0.120	9.440	58	28.362	2.871	9.850
5	5.745	-0.148	9.440	59	28.636	2.878	9.850
6	8.312	-0.214	9.440	61	0.111	2.898	9.300
7	9.371	-0.241	9.440	62	0.097	2.548	9.300
8	10.431	-0.242	9.440	63	0.065	1.699	9.300
9	13.312	-0.244	9.440	65	0.029	0.759	9.300
10	14.371	-0.268	9.440	66	0.000	0.000	9.300
11	15.431	-0.245	9.440	67	-0.029	-0.759	9.300
12	18.311	-0.247	9.440	69	-0.065	-1.699	9.300
13	19.371	-0.248	9.440	70	-0.097	-2.548	9.300
14	20.431	-0.222	9.440	71	-0.111	-2.898	9.300
15	22.998	-0.160	9.440	81	4.760	2.778	9.300
16	24.057	-0.134	9.440	82	4.747	2.278	9.300
17	25.117	-0.108	9.440	83	4.705	0.639	9.300
18	27.684	-0.046	9.440	84	4.686	-0.120	9.300
19	28.743	-0.020	9.440	85	4.666	-0.880	9.300
21	-0.111	-2.898	9.850	86	4.624	-2.520	9.300
22	0.164	-2.905	9.850	87	4.611	-3.020	9.300
23	4.336	-3.012	9.850	91	9.410	2.659	9.300
24	4.611	-3.020	9.850	92	9.405	2.309	9.300
25	4.886	-3.027	9.850	93	9.386	0.819	9.300
26	9.058	-3.134	9.850	94	9.371	-0.241	9.300
27	9.333	-3.141	9.850	95	9.357	-1.301	9.300
28	9.608	-3.143	9.850	96	9.340	-2.641	9.300
29	14.095	-3.144	9.850	97	9.333	-3.141	9.300
30	14.370	-3.145	9.850	101	14.374	2.655	9.300
31	14.645	-3.145	9.850	102	14.374	2.155	9.300
32	19.131	-3.148	9.850	103	14.372	0.515	9.300
33	19.406	-3.148	9.850	104	14.371	-0.268	9.300
34	19.681	-3.145	9.850	105	14.371	-1.005	9.300
35	23.853	-3.040	9.850	106	14.370	-2.645	9.300
36	24.128	-3.033	9.850	107	14.370	-3.145	9.300
37	24.403	-3.027	9.850	111	19.337	2.652	9.300
38	28.575	-2.925	9.850	112	19.341	2.302	9.300
39	28.850	-2.918	9.850	113	19.359	0.812	9.300
41	0.111	2.898	9.850	114	19.371	-0.248	9.300
42	0.386	2.891	9.850	115	19.384	-1.308	9.300
43	4.485	2.785	9.850	116	19.400	-2.648	9.300
44	4.760	2.778	9.850	117	19.406	-3.148	9.300
45	5.035	2.771	9.850	121	23.987	2.765	9.300
46	9.135	2.666	9.850	122	23.999	2.265	9.300
47	9.410	2.659	9.850	123	24.039	0.626	9.300
48	9.685	2.657	9.850	124	24.057	-0.134	9.300
49	14.099	2.656	9.850	125	24.076	-0.894	9.300
50	14.374	2.655	9.850	126	24.116	-2.533	9.300
51	14.649	2.655	9.850	127	24.128	-3.033	9.300
52	19.062	2.652	9.850	131	28.636	2.878	9.300
53	19.337	2.652	9.850	132	28.649	2.528	9.300
54	19.612	2.655	9.850	133	28.681	1.679	9.300

Node Data

Node No	X	Y	Z	Node No	X	Y	Z
135	28.715	0.739	9.300	301	0.069	1.799	-0.600
136	28.743	-0.020	9.300	302	0.069	1.799	-0.800
137	28.771	-0.780	9.300	303	0.069	1.799	-3.775
139	28.806	-1.719	9.300	304	0.069	1.799	-13.775
140	28.837	-2.569	9.300	305	0.069	1.799	-22.475
141	28.850	-2.918	9.300	306	0.069	1.799	-24.775
151	0.000	0.000	8.780	307	0.069	1.799	-26.300
152	0.000	0.000	0.500	311	-0.069	-1.799	-0.600
153	9.371	-0.241	8.780	312	-0.069	-1.799	-0.800
154	9.371	-0.241	0.500	313	-0.069	-1.799	-3.775
155	19.371	-0.248	8.780	314	-0.069	-1.799	-13.775
156	19.371	-0.248	0.500	315	-0.069	-1.799	-22.475
157	28.743	-0.020	8.780	316	-0.069	-1.799	-24.775
158	28.743	-0.020	0.500	317	-0.069	-1.799	-26.300
201	0.000	0.000	0.000	321	9.395	1.559	-0.600
202	0.975	-0.025	0.000	322	9.395	1.559	-0.800
203	8.397	-0.216	0.000	323	9.395	1.559	-3.775
204	9.372	-0.241	0.000	324	9.395	1.559	-13.775
205	10.347	-0.242	0.000	325	9.395	1.559	-22.475
206	18.396	-0.247	0.000	326	9.395	1.559	-24.775
207	19.371	-0.248	0.000	327	9.395	1.559	-26.300
208	20.346	-0.224	0.000	331	9.348	-2.042	-0.600
209	27.769	-0.044	0.000	332	9.348	-2.042	-0.800
210	28.743	-0.020	0.000	333	9.348	-2.042	-3.775
211	0.107	2.798	0.000	334	9.348	-2.042	-13.775
212	0.088	2.298	0.000	335	9.348	-2.042	-22.475
213	0.069	1.799	0.000	336	9.348	-2.042	-24.775
214	0.050	1.299	0.000	337	9.348	-2.042	-26.300
215	0.023	0.600	0.000	341	19.350	1.552	-0.600
216	-0.023	-0.600	0.000	342	19.350	1.552	-0.800
217	-0.069	-1.299	0.000	343	19.350	1.552	-3.775
218	-0.069	-1.799	0.000	344	19.350	1.552	-13.775
219	-0.088	-2.298	0.000	345	19.350	1.552	-22.475
220	-0.107	-2.798	0.000	346	19.350	1.552	-24.775
221	9.409	2.559	0.000	347	19.350	1.552	-26.300
222	9.396	2.059	0.000	351	19.393	-2.051	-0.600
223	9.395	1.559	0.000	352	19.393	-2.051	-0.800
224	9.396	1.059	0.000	353	19.393	-2.051	-3.775
225	9.380	0.359	0.000	354	19.393	-2.051	-13.775
226	9.364	-0.841	0.000	355	19.393	-2.051	-22.475
227	9.354	-1.542	0.000	356	19.393	-2.051	-24.775
228	9.348	-2.042	0.000	357	19.393	-2.051	-26.300
229	9.341	-2.542	0.000	361	28.677	1.778	-0.600
230	9.334	-3.041	0.000	362	28.677	1.778	-0.800
231	19.338	2.552	0.000	363	28.677	1.778	-3.775
232	19.350	2.053	0.000	364	28.677	1.778	-13.775
233	19.350	1.552	0.000	365	28.677	1.778	-22.475
234	19.350	1.053	0.000	366	28.677	1.778	-24.775
235	19.364	0.352	0.000	367	28.677	1.778	-26.300
236	19.378	-0.848	0.000	371	28.809	-1.819	-0.600
237	19.393	-1.551	0.000	372	28.809	-1.819	-0.800
238	19.393	-2.051	0.000	373	28.809	-1.819	-3.775
239	19.398	-2.551	0.000	374	28.809	-1.819	-13.775
240	19.404	-3.048	0.000	375	28.809	-1.819	-22.475
241	28.640	2.778	0.000	376	28.809	-1.819	-24.775
242	28.658	2.282	0.000	377	28.809	-1.819	-26.300
243	28.677	1.778	0.000	401	-0.136	-3.547	9.300
244	28.695	1.282	0.000	402	4.595	-3.669	9.300
245	28.721	0.579	0.000	403	9.323	-3.791	9.300
246	28.765	-0.620	0.000	404	14.365	-3.794	9.300
247	28.791	-1.323	0.000	405	19.413	-3.798	9.300
248	28.809	-1.819	0.000	406	24.142	-3.683	9.300
249	28.810	-2.323	0.000	407	28.877	-3.568	9.300
250	28.846	-2.819	0.000	411	0.135	3.540	9.300

Node Data

Node No	X	Y	Z	Node No	X	Y	Z
412	4.776	3.428	9.300	415	19.335	3.302	9.300
413	9.421	3.309	9.300	416	23.973	3.415	9.300
414	14.374	3.305	9.300	417	28.613	3.520	9.300

Member Data

No	Node Node-I	Node-J	Distance (m)	Material No	Angle of Rotation	Name of Material
1	1	2	1.060	13		
2	2	3	2.567	1		・ス・ス
3	3	4	1.060	13		
4	4	5	1.059	13		
5	5	6	2.568	1		・ス・ス
6	6	7	1.059	13		
7	7	8	1.060	13		
8	8	9	2.881	1		・ス・ス
9	9	10	1.059	13		
10	10	11	1.060	13		
11	11	12	2.880	1		・ス・ス
12	12	13	1.060	13		
13	13	14	1.060	13		
14	14	15	2.568	1		・ス・ス
15	15	16	1.059	13		
16	16	17	1.060	13		
17	17	18	2.568	1		・ス・ス
18	18	19	1.059	13		
21	21	22	0.275	13		
22	22	23	4.173	10		
23	23	24	0.275	13		
24	24	25	0.275	13		
25	25	26	4.173	10		
26	26	27	0.275	13		
27	27	28	0.275	13		
28	28	29	4.487	10		
29	29	30	0.275	13		
30	30	31	0.275	13		
31	31	32	4.486	10		
32	32	33	0.275	13		
33	33	34	0.275	13		
34	34	35	4.173	10		
35	35	36	0.275	13		
36	36	37	0.275	13		
37	37	38	4.173	10		
38	38	39	0.275	13		
41	41	42	0.275	13		
42	42	43	4.100	10		
43	43	44	0.275	13		
44	44	45	0.275	13		
45	45	46	4.101	10		
46	46	47	0.275	13		
47	47	48	0.275	13		

Member Data

[illegible]

Member Data

[illegible]

Member Data

No	Node Node-I	Node-J	Distance (m)	Material No	Angle of Rotation	Name of Material
240	239	240	0.497	7		
241	241	242	0.496	7		
242	242	243	0.504	13		
243	243	244	0.496	13		
244	244	245	0.703	7		
245	245	210	0.599	13		
246	210	246	0.600	13		
247	246	247	0.703	7		
248	247	248	0.496	13		
249	248	249	0.504	13		
250	249	250	0.497	7		
301	213	301	0.600	13		
302	301	302	0.200	9		
303	302	303	2.975	9		
304	303	304	10.000	9		
305	304	305	8.700	9		
306	305	306	2.300	9		
307	306	307	1.525	9		
311	218	311	0.600	13		
312	311	312	0.200	9		
313	312	313	2.975	9		
314	313	314	10.000	9		
315	314	315	8.700	9		
316	315	316	2.300	9		
317	316	317	1.525	9		
321	223	321	0.600	13		
322	321	322	0.200	9		
323	322	323	2.975	9		
324	323	324	10.000	9		
325	324	325	8.700	9		
326	325	326	2.300	9		
327	326	327	1.525	9		
331	228	331	0.600	13		
332	331	332	0.200	9		
333	332	333	2.975	9		
334	333	334	10.000	9		
335	334	335	8.700	9		
336	335	336	2.300	9		
337	336	337	1.525	9		
341	233	341	0.600	13		
342	341	342	0.200	9		
343	342	343	2.975	9		
344	343	344	10.000	9		
345	344	345	8.700	9		
346	345	346	2.300	9		
347	346	347	1.525	9		
351	238	351	0.600	13		
352	351	352	0.200	9		
353	352	353	2.975	9		
354	353	354	10.000	9		
355	354	355	8.700	9		
356	355	356	2.300	9		
357	356	357	1.525	9		
361	243	361	0.600	13		
362	361	362	0.200	9		
363	362	363	2.975	9		
364	363	364	10.000	9		
365	364	365	8.700	9		
366	365	366	2.300	9		
367	366	367	1.525	9		
371	248	371	0.600	13		
372	371	372	0.200	9		
373	372	373	2.975	9		
374	373	374	10.000	9		

Member Data

No	Node Node-I	Node-J	Distance (m)	Material No	Angle of Rotation	Name of Material
375	374	375	8.700	9		
376	375	376	2.300	9		
377	376	377	1.525	9		
401	71	401	0.649	13		
402	87	402	0.649	13		
403	97	403	0.650	13		
404	107	404	0.649	13		
405	117	405	0.650	13		
406	127	406	0.650	13		
407	141	407	0.651	13		
411	411	61	0.642	13		
412	412	81	0.650	13		
413	413	91	0.650	13		
414	414	101	0.650	13		
415	415	111	0.650	13		
416	416	121	0.650	13		
417	417	131	0.642	13		

Material Data

Type1

No	Area A(m2)	Elastic E (kN/m2)	Shear Elastic G (kN/m2)	CTE	Inertia IY(m4)	Torsion Constant IZ(m4)	
1	2.4900	2.65E+007	1.10E+007	1.00E-005	0.580356	0.776962	0.505200
2	2.1600	2.65E+007	1.10E+007	1.00E-005	0.416639	0.484925	0.382100
3	1.9200	2.65E+007	1.10E+007	1.00E-005	0.409600	0.230400	0.494900
4	0.9600	2.65E+007	1.10E+007	1.00E-005	0.204800	0.028800	0.087800
5	1.6000	2.65E+007	1.10E+007	1.00E-005	0.133333	0.341333	0.324800
6	1.4400	2.65E+007	1.10E+007	1.00E-005	0.307200	0.097200	0.267100
7	3.2000	2.65E+007	1.10E+007	1.00E-005	0.682667	1.066667	1.400800
8	3.2000	2.65E+007	1.10E+007	1.00E-005	0.682667	1.066667	1.400800
9	0.0940	2.00E+008	8.33E+007	1.00E-005	0.011019	0.011019	0.022000
10	0.6500	2.65E+007	1.10E+007	1.00E-005	0.013542	0.091542	0.041000
11	1000	2.65E+007	1.10E+007	1.00E-005	1000	1000	1000
12	1.9200	2.65E+007	1.10E+007	1.00E-005	0.410000	0.230000	0.495000
13	1000	2.65E+007	1.10E+007	1.00E-005	1000	1000	1000

Support DATA
Type1

Node No	Displacement Restraint			Rotational Restraint		
	TX (kN/m)	TY (kN/m)	TZ (kN/m)	MX (kN · m/rad)	MY (kN · m/rad)	MZ (kN · m/rad)
307			153489			
317			153489			
327			153489			
337			153489			
347			153489			
357			153489			
367			153489			
377			153489			

Support DATA
Type2

Node No	Displacement Restraint			Rotational Restraint		
	TX (kN/m)	TY (kN/m)	TZ (kN/m)	MX (kN · m/rad)	MY (kN · m/rad)	MZ (kN · m/rad)
307			306977			
317			306977			
327			306977			
337			306977			
347			306977			
357			306977			
367			306977			
377			306977			