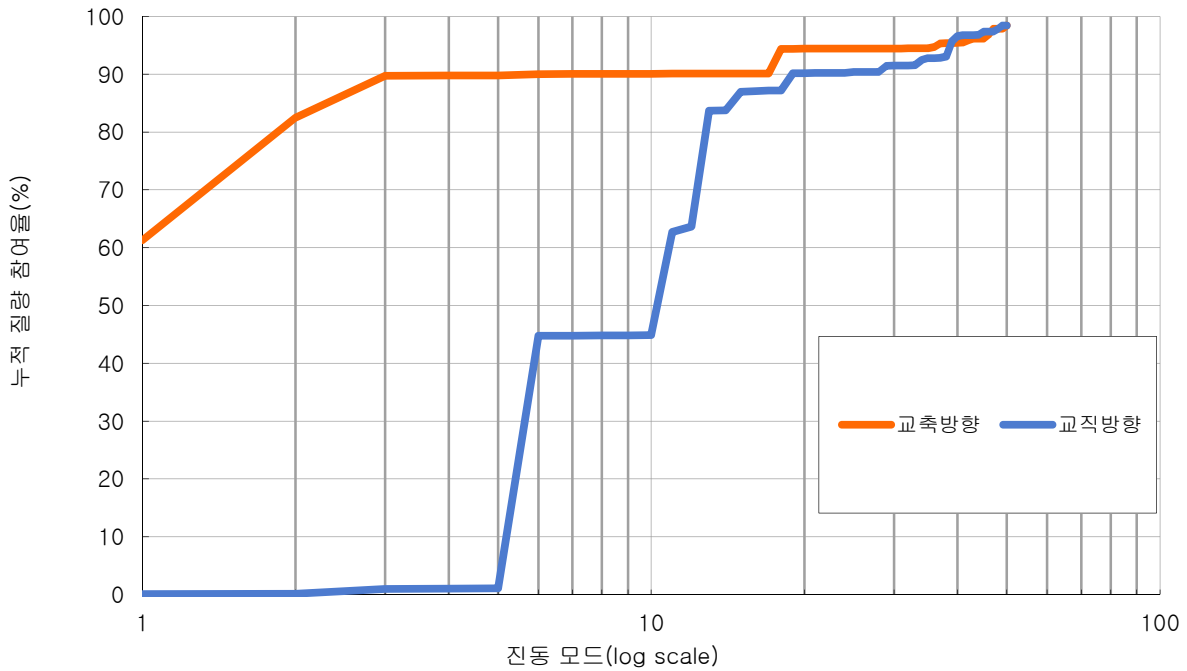


6. 고유치 해석

6.1 해석 결과

모드	주기	INDIVIDUAL MODE (%)			CUMULATIVE SUM (%)			비고
	(sec)	UX	UY	UZ	UX	UY	UZ	
1	1.45	61.25	0.08	0.00	61.25	0.08	0.00	
2	1.11	21.25	0.04	0.00	82.50	0.11	0.00	
3	0.77	7.25	0.84	0.18	89.74	0.95	0.19	
4	0.69	0.04	0.06	2.14	89.79	1.01	2.33	
5	0.59	0.02	0.04	0.00	89.80	1.06	2.33	
6	0.54	0.24	43.70	0.00	90.05	44.75	2.33	
7	0.50	0.01	0.01	5.77	90.06	44.76	8.10	
8	0.41	0.00	0.09	0.01	90.06	44.85	8.11	
9	0.39	0.01	0.00	14.90	90.07	44.85	23.01	
10	0.37	0.01	0.03	35.63	90.08	44.88	58.64	
11	0.36	0.04	17.86	0.09	90.11	62.74	58.73	
12	0.33	0.00	0.93	0.00	90.11	63.66	58.73	
13	0.32	0.01	20.03	0.00	90.12	83.69	58.73	
14	0.27	0.00	0.05	0.00	90.12	83.74	58.73	
15	0.24	0.02	3.26	0.00	90.14	87.00	58.73	
16	0.23	0.00	0.10	0.00	90.14	87.10	58.73	
17	0.22	0.00	0.11	0.01	90.14	87.21	58.74	
18	0.21	4.26	0.00	0.00	94.40	87.22	58.74	
19	0.19	0.00	2.99	0.00	94.41	90.21	58.74	
20	0.18	0.03	0.00	0.48	94.43	90.21	59.22	
21	0.16	0.00	0.01	0.13	94.44	90.22	59.34	
22	0.16	0.00	0.05	0.02	94.44	90.27	59.36	
23	0.15	0.01	0.00	0.00	94.46	90.27	59.36	
24	0.15	0.00	0.00	0.00	94.46	90.27	59.36	
25	0.14	0.00	0.15	0.00	94.46	90.42	59.36	
26	0.14	0.00	0.00	0.00	94.46	90.42	59.36	
27	0.13	0.00	0.00	0.34	94.46	90.42	59.70	
28	0.12	0.00	0.00	0.37	94.46	90.43	60.08	
29	0.12	0.00	1.04	0.00	94.46	91.47	60.08	
30	0.12	0.02	0.06	0.00	94.48	91.52	60.08	
31	0.11	0.00	0.01	0.02	94.48	91.53	60.10	
32	0.10	0.02	0.00	0.01	94.50	91.54	60.11	
33	0.10	0.01	0.05	0.24	94.51	91.59	60.35	
34	0.10	0.00	0.86	0.02	94.51	92.44	60.37	
35	0.09	0.02	0.34	0.01	94.53	92.79	60.38	
36	0.09	0.22	0.01	2.19	94.75	92.79	62.57	
37	0.08	0.61	0.05	1.63	95.36	92.85	64.20	
38	0.08	0.01	0.25	0.25	95.37	93.09	64.45	
39	0.07	0.00	2.63	0.00	95.37	95.73	64.45	
40	0.07	0.07	0.88	0.10	95.44	96.61	64.55	
41	0.07	0.09	0.19	0.26	95.52	96.80	64.81	
42	0.06	0.36	0.00	0.03	95.89	96.80	64.85	
43	0.05	0.29	0.00	0.01	96.18	96.80	64.86	
44	0.05	0.00	0.06	0.00	96.18	96.85	64.86	
45	0.04	0.00	0.55	0.00	96.19	97.40	64.86	
46	0.03	0.62	0.00	0.06	96.81	97.41	64.92	
47	0.02	1.07	0.00	0.02	97.88	97.41	64.94	
48	0.02	0.00	0.41	0.00	97.88	97.82	64.94	
49	0.01	0.03	0.62	0.00	97.91	98.44	64.94	
50	0.01	0.56	0.03	0.00	98.47	98.47	64.95	

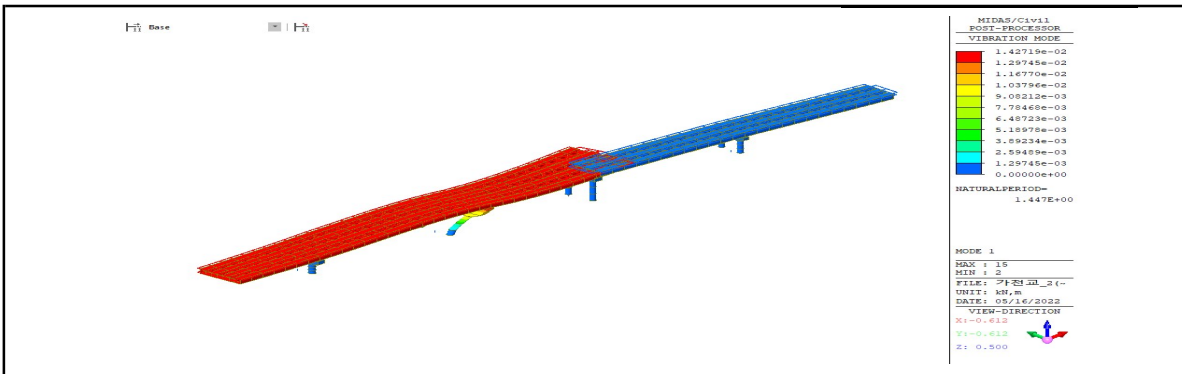
6.2 모드별 질량 참여율 그래프



진동모드의 누적 질량 참여율 (%)

6.3 주요 모드 형상 (Mode Shape)

○ 교축방향 (T = 1.4475 sec) - 1 Mode (A = 0.1538 g)



○ 교축직각방향 (T = 0.5424 sec) - 6 Mode (A = 0.4106 g)

