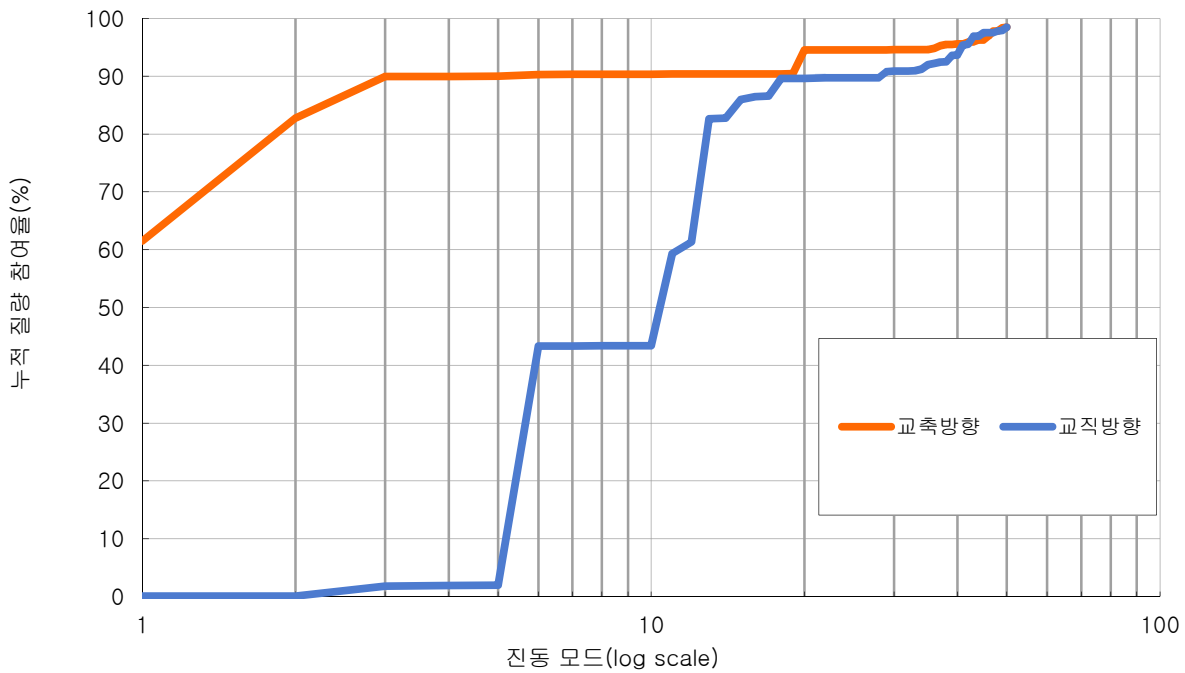


6. 고유치 해석

6.1 해석 결과

모드	주기	INDIVIDUAL MODE (%)			CUMULATIVE SUM (%)			비고
	(sec)	UX	UY	UZ	UX	UY	UZ	
1	1.37	61.48	0.04	0.00	61.48	0.04	0.00	
2	1.07	21.27	0.04	0.00	82.75	0.08	0.00	
3	0.77	7.20	1.68	0.18	89.95	1.76	0.18	
4	0.69	0.01	0.11	2.16	89.97	1.87	2.34	
5	0.59	0.03	0.06	0.00	90.00	1.93	2.35	
6	0.53	0.32	41.40	0.00	90.32	43.34	2.35	
7	0.50	0.01	0.01	5.79	90.33	43.34	8.14	
8	0.40	0.00	0.06	0.01	90.33	43.40	8.14	
9	0.39	0.01	0.00	14.96	90.34	43.41	23.10	
10	0.37	0.01	0.00	35.82	90.35	43.41	58.92	
11	0.35	0.04	15.91	0.00	90.39	59.32	58.92	
12	0.33	0.00	2.03	0.00	90.39	61.34	58.93	
13	0.31	0.01	21.33	0.00	90.40	82.67	58.93	
14	0.27	0.00	0.09	0.00	90.40	82.77	58.93	
15	0.23	0.01	3.21	0.00	90.42	85.98	58.93	
16	0.23	0.00	0.51	0.00	90.42	86.49	58.93	
17	0.22	0.00	0.12	0.01	90.42	86.61	58.93	
18	0.19	0.00	3.04	0.00	90.42	89.65	58.93	
19	0.18	0.03	0.00	0.47	90.45	89.66	59.41	
20	0.17	4.09	0.00	0.00	94.55	89.66	59.41	
21	0.16	0.01	0.01	0.10	94.56	89.68	59.51	
22	0.16	0.00	0.05	0.04	94.56	89.72	59.55	
23	0.15	0.02	0.00	0.00	94.57	89.72	59.55	
24	0.15	0.00	0.00	0.00	94.57	89.72	59.55	
25	0.14	0.00	0.04	0.00	94.57	89.76	59.55	
26	0.14	0.00	0.00	0.00	94.57	89.77	59.55	
27	0.13	0.00	0.00	0.34	94.58	89.77	59.89	
28	0.12	0.00	0.00	0.36	94.58	89.77	60.26	
29	0.12	0.01	1.02	0.00	94.58	90.79	60.26	
30	0.12	0.02	0.11	0.00	94.60	90.90	60.26	
31	0.10	0.00	0.01	0.03	94.60	90.91	60.29	
32	0.10	0.02	0.00	0.01	94.62	90.92	60.30	
33	0.10	0.01	0.02	0.28	94.63	90.94	60.58	
34	0.09	0.00	0.30	0.00	94.63	91.24	60.59	
35	0.09	0.00	0.77	0.51	94.63	92.01	61.10	
36	0.09	0.21	0.24	1.34	94.85	92.25	62.44	
37	0.08	0.46	0.23	0.27	95.31	92.48	62.71	
38	0.08	0.18	0.06	1.82	95.49	92.54	64.53	
39	0.07	0.00	1.10	0.00	95.49	93.63	64.53	
40	0.07	0.13	0.03	0.46	95.62	93.67	64.99	
41	0.06	0.01	1.72	0.01	95.63	95.38	65.00	
42	0.06	0.34	0.21	0.05	95.97	95.59	65.05	
43	0.06	0.00	1.37	0.02	95.97	96.97	65.06	
44	0.05	0.30	0.00	0.02	96.27	96.97	65.08	
45	0.04	0.00	0.57	0.00	96.27	97.54	65.08	
46	0.03	0.67	0.00	0.06	96.94	97.54	65.14	
47	0.02	0.88	0.00	0.04	97.82	97.54	65.18	
48	0.02	0.01	0.29	0.00	97.83	97.83	65.18	
49	0.01	0.54	0.13	0.01	98.37	97.96	65.19	
50	0.01	0.11	0.52	0.00	98.48	98.48	65.19	

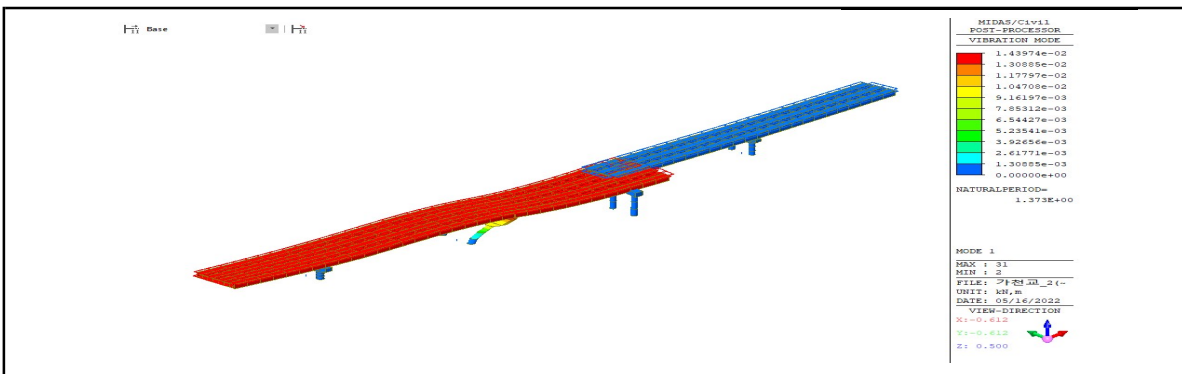
6.2 모드별 질량 참여율 그래프



진동모드의 누적 질량 참여율 (%)

6.3 주요 모드 형상 (Mode Shape)

○ 교축방향 (T = 1.3730 sec) - 1 Mode (A = 0.1622 g)



○ 교축직각방향 (T = 0.5347 sec) - 6 Mode (A = 0.4165 g)

