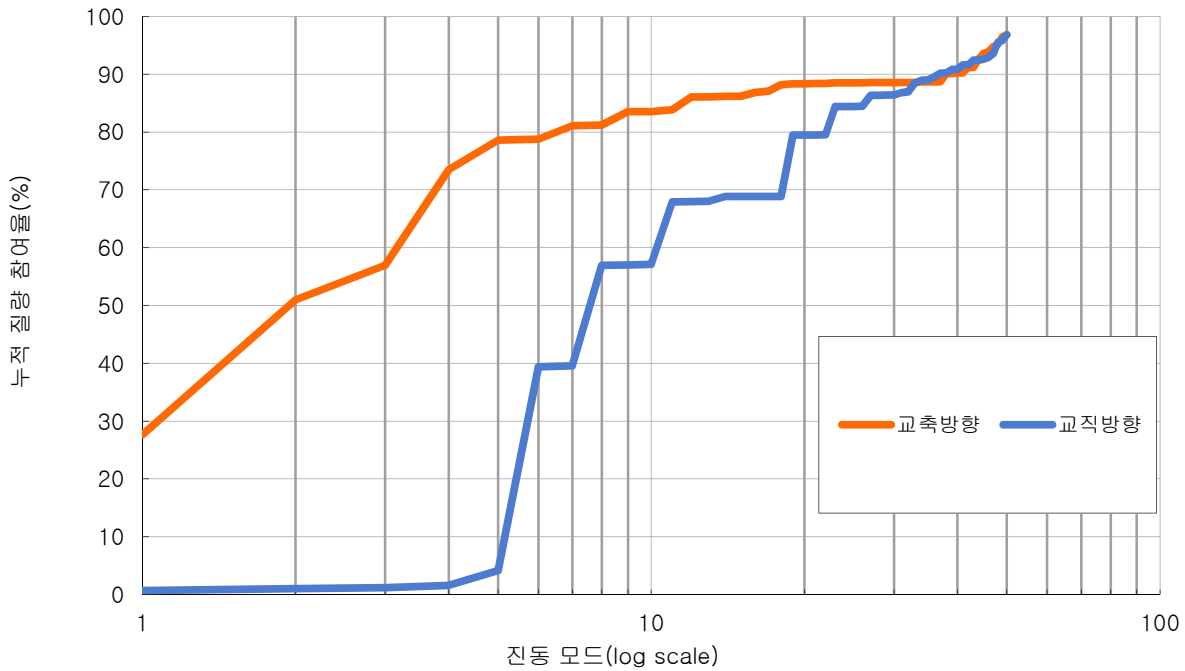


6. 고유치 해석

6.1 해석 결과

모드	주기	INDIVIDUAL MODE (%)			CUMULATIVE SUM (%)			비고
	(sec)	UX	UY	UZ	UX	UY	UZ	
1	3.20	27.64	0.68	0.00	27.64	0.68	0.00	
2	3.14	23.31	0.34	0.00	50.95	1.02	0.00	
3	1.56	5.99	0.17	0.00	56.93	1.19	0.00	
4	1.48	16.59	0.40	0.00	73.52	1.59	0.00	
5	0.85	5.07	2.50	0.00	78.60	4.09	0.00	
6	0.80	0.18	35.28	0.00	78.77	39.37	0.00	
7	0.78	2.35	0.17	0.00	81.12	39.54	0.00	
8	0.71	0.11	17.40	0.00	81.23	56.94	0.00	
9	0.69	2.30	0.07	0.00	83.53	57.01	0.00	
10	0.64	0.00	0.11	1.54	83.53	57.13	1.54	
11	0.63	0.35	10.81	0.01	83.88	67.93	1.55	
12	0.59	2.19	0.07	0.00	86.07	68.00	1.55	
13	0.55	0.01	0.00	0.00	86.08	68.01	1.55	
14	0.52	0.10	0.84	0.00	86.18	68.84	1.55	
15	0.50	0.01	0.00	0.01	86.19	68.84	1.56	
16	0.49	0.67	0.01	0.10	86.86	68.86	1.67	
17	0.48	0.22	0.00	3.70	87.09	68.86	5.36	
18	0.46	1.11	0.02	0.40	88.19	68.88	5.76	
19	0.44	0.17	10.63	0.00	88.37	79.50	5.76	
20	0.39	0.01	0.00	0.00	88.37	79.50	5.76	
21	0.37	0.02	0.02	0.01	88.39	79.52	5.78	
22	0.37	0.00	0.01	13.09	88.39	79.53	18.87	
23	0.36	0.12	4.91	0.00	88.52	84.44	18.87	
24	0.35	0.00	0.00	1.41	88.52	84.44	20.28	
25	0.33	0.00	0.02	0.02	88.52	84.45	20.29	
26	0.32	0.00	0.03	0.01	88.52	84.49	20.30	
27	0.31	0.04	1.87	0.03	88.56	86.36	20.33	
28	0.30	0.00	0.00	20.01	88.56	86.36	40.35	
29	0.29	0.00	0.05	0.51	88.56	86.41	40.86	
30	0.28	0.00	0.00	8.58	88.57	86.41	49.44	
31	0.27	0.02	0.41	0.03	88.58	86.82	49.47	
32	0.25	0.01	0.14	0.26	88.60	86.96	49.73	
33	0.24	0.02	1.58	0.56	88.61	88.55	50.29	
34	0.24	0.07	0.43	1.16	88.68	88.97	51.45	
35	0.23	0.00	0.03	0.02	88.68	89.01	51.48	
36	0.21	0.02	0.59	0.00	88.70	89.60	51.48	
37	0.19	0.00	0.60	0.00	88.70	90.20	51.48	
38	0.18	1.44	0.02	0.00	90.15	90.22	51.48	
39	0.17	0.00	0.64	0.01	90.15	90.86	51.48	
40	0.16	0.08	0.00	0.05	90.23	90.86	51.53	
41	0.13	0.00	0.78	0.01	90.23	91.65	51.54	
42	0.13	0.98	0.00	0.02	91.20	91.65	51.56	
43	0.11	0.01	0.81	0.00	91.21	92.46	51.56	
44	0.11	1.42	0.00	0.00	92.63	92.46	51.57	
45	0.09	1.02	0.17	0.02	93.65	92.63	51.59	
46	0.08	0.24	0.30	0.01	93.88	92.93	51.61	
47	0.06	0.92	0.61	0.00	94.80	93.55	51.61	
48	0.06	0.38	1.96	0.00	95.18	95.51	51.61	
49	0.03	1.25	0.35	0.00	96.43	95.86	51.61	
50	0.03	0.38	0.95	0.00	96.81	96.82	51.61	

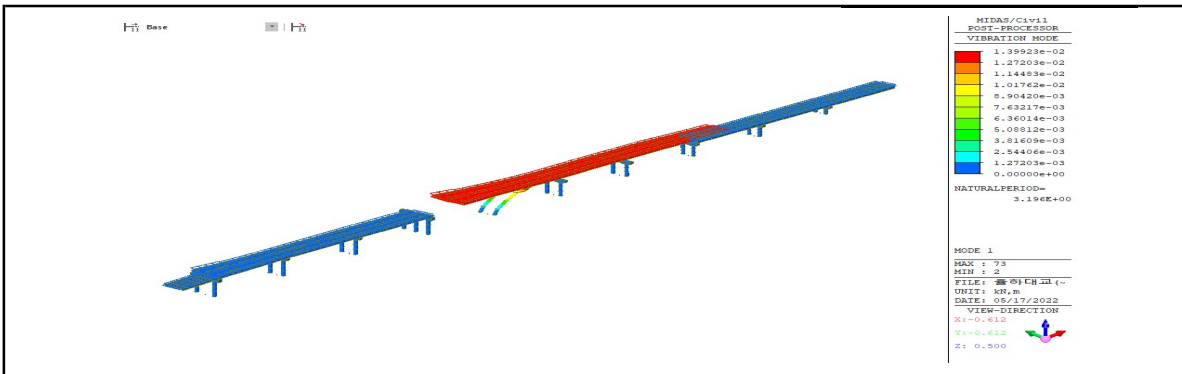
6.2 모드별 질량 참여율 그래프



진동모드의 누적 질량 참여율 (%)

6.3 주요 모드 형상 (Mode Shape)

○ 교축방향 (T = 3.1957 sec) - 1 Mode (A = 0.0654 g)



○ 교축직각방향 (T = 0.7953 sec) - 6 Mode (A = 0.2800 g)

