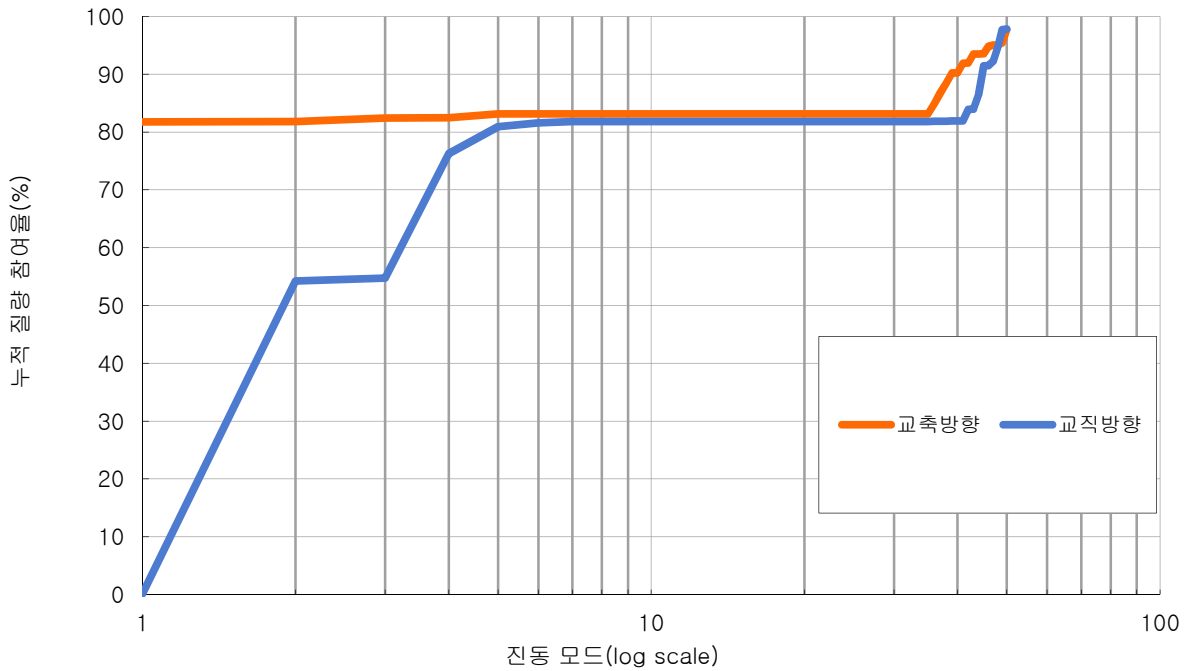


6. 고유치 해석

6.1 해석 결과

모드	주기	INDIVIDUAL MODE (%)			CUMULATIVE SUM (%)			비고
	(sec)	UX	UY	UZ	UX	UY	UZ	
1	1.83	81.79	0.13	0.00	81.79	0.13	0.00	
2	1.79	0.01	54.09	0.00	81.80	54.22	0.00	
3	1.78	0.63	0.53	0.00	82.43	54.75	0.00	
4	1.78	0.08	21.56	0.00	82.51	76.31	0.00	
5	1.77	0.62	4.64	0.00	83.13	80.95	0.00	
6	1.77	0.00	0.68	0.00	83.13	81.63	0.00	
7	1.61	0.00	0.20	0.00	83.13	81.84	0.00	
8	1.59	0.00	0.01	0.00	83.13	81.84	0.00	
9	1.08	0.00	0.01	0.00	83.13	81.85	0.00	
10	1.06	0.00	0.00	0.00	83.13	81.85	0.00	
11	0.69	0.00	0.00	0.47	83.13	81.85	0.47	
12	0.67	0.00	0.00	0.00	83.13	81.85	0.47	
13	0.66	0.00	0.00	0.42	83.13	81.85	0.89	
14	0.66	0.00	0.00	0.00	83.13	81.85	0.89	
15	0.58	0.00	0.00	0.64	83.13	81.85	1.53	
16	0.58	0.00	0.00	0.60	83.13	81.85	2.13	
17	0.55	0.00	0.00	0.45	83.13	81.85	2.58	
18	0.55	0.00	0.00	0.54	83.13	81.85	3.12	
19	0.47	0.00	0.00	1.90	83.13	81.85	5.02	
20	0.46	0.00	0.00	1.79	83.13	81.85	6.81	
21	0.44	0.00	0.00	0.00	83.13	81.85	6.81	
22	0.43	0.00	0.00	0.00	83.13	81.85	6.81	
23	0.41	0.00	0.00	0.07	83.13	81.85	6.88	
24	0.40	0.00	0.00	0.00	83.13	81.85	6.89	
25	0.36	0.00	0.00	0.27	83.13	81.85	7.15	
26	0.35	0.00	0.00	0.59	83.13	81.85	7.75	
27	0.32	0.00	0.00	2.02	83.13	81.85	9.77	
28	0.31	0.00	0.00	2.29	83.13	81.85	12.06	
29	0.31	0.00	0.00	1.69	83.13	81.85	13.76	
30	0.30	0.00	0.00	0.69	83.13	81.85	14.45	
31	0.29	0.00	0.00	3.07	83.13	81.85	17.52	
32	0.28	0.00	0.00	1.96	83.13	81.85	19.48	
33	0.27	0.00	0.00	0.05	83.13	81.85	19.52	
34	0.26	0.00	0.00	0.03	83.13	81.85	19.55	
35	0.23	0.00	0.00	0.04	83.13	81.85	19.59	
36	0.22	1.81	0.01	0.00	84.94	81.86	19.59	
37	0.20	1.80	0.00	0.00	86.74	81.87	19.59	
38	0.19	1.75	0.03	0.00	88.49	81.90	19.59	
39	0.19	1.77	0.03	0.00	90.26	81.93	19.59	
40	0.16	0.00	0.00	0.06	90.26	81.93	19.65	
41	0.13	1.67	0.03	0.00	91.93	81.96	19.65	
42	0.10	0.01	1.98	0.00	91.94	83.94	19.65	
43	0.10	1.56	0.01	0.00	93.50	83.96	19.66	
44	0.09	0.01	2.52	0.02	93.51	86.47	19.67	
45	0.08	0.07	5.00	0.01	93.58	91.47	19.68	
46	0.07	1.27	0.04	0.02	94.85	91.51	19.70	
47	0.05	0.20	0.76	0.17	95.05	92.28	19.87	
48	0.04	0.02	2.41	0.15	95.06	94.69	20.02	
49	0.02	0.41	3.03	0.06	95.47	97.71	20.08	
50	0.02	2.28	0.14	0.00	97.75	97.85	20.09	

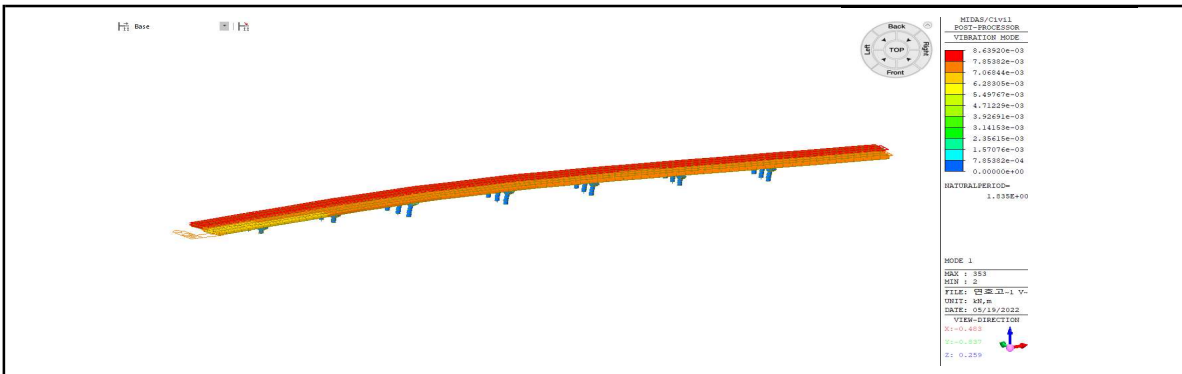
6.2 모드별 질량 참여율 그래프



진동모드의 누적 질량 참여율 (%)

6.3 주요 모드 형상 (Mode Shape)

○ 교축방향 (T = 1.8346 sec) - 1 Mode (A = 0.1214 g)



○ 교축직각방향 (T = 1.7905 sec) - 2 Mode (A = 0.1244 g)

