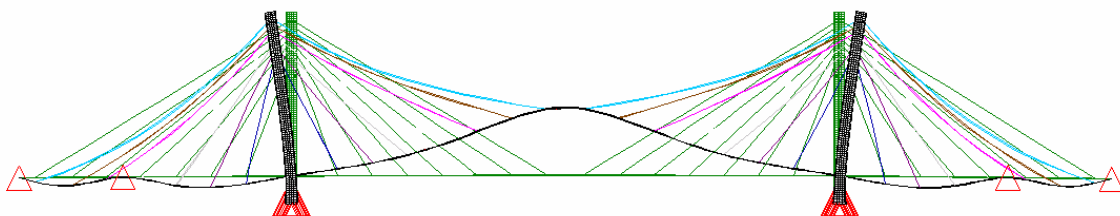
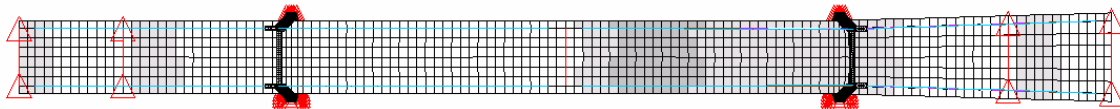
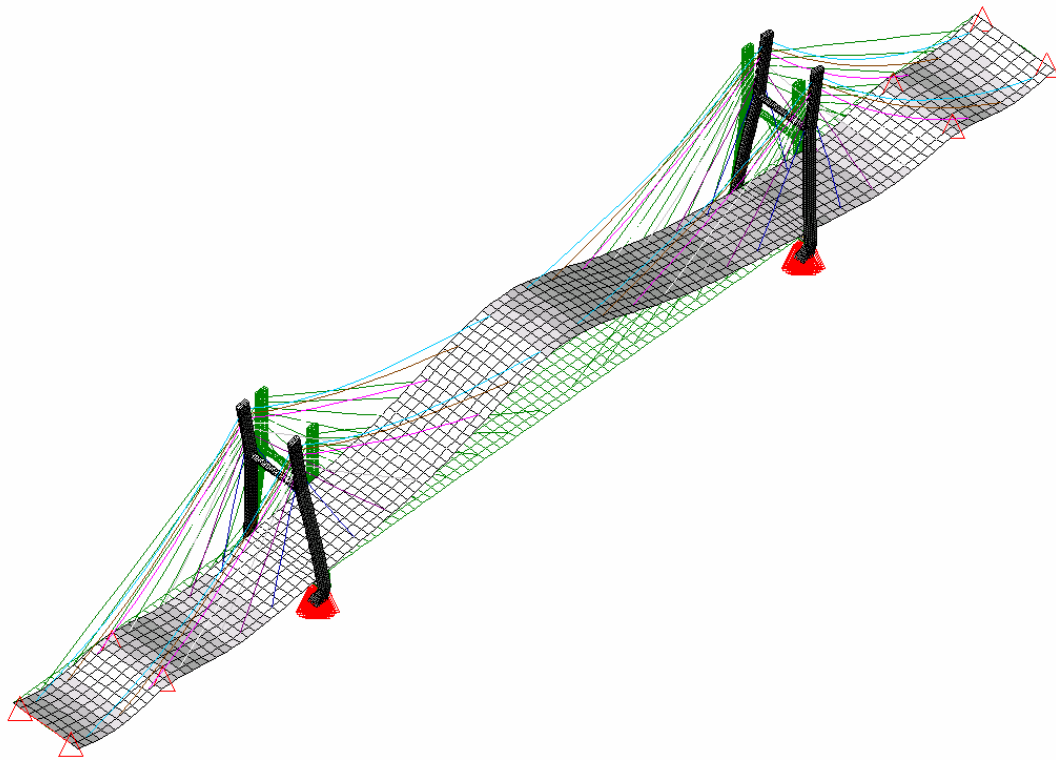


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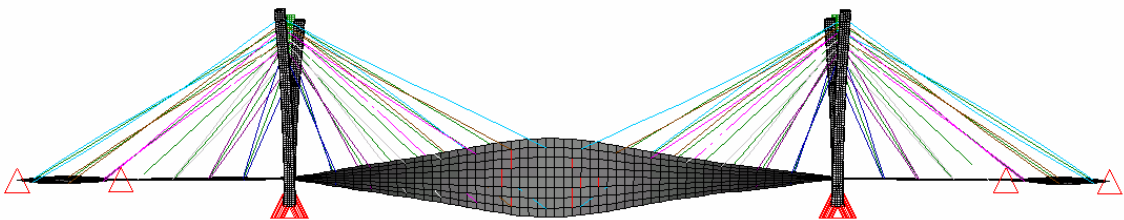
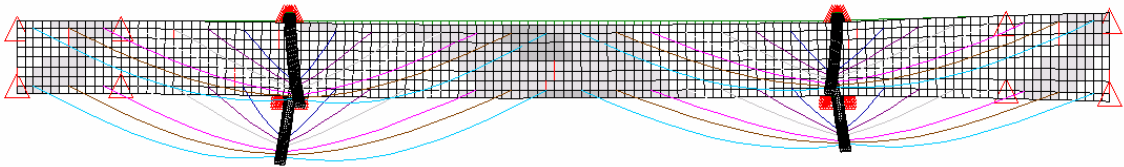
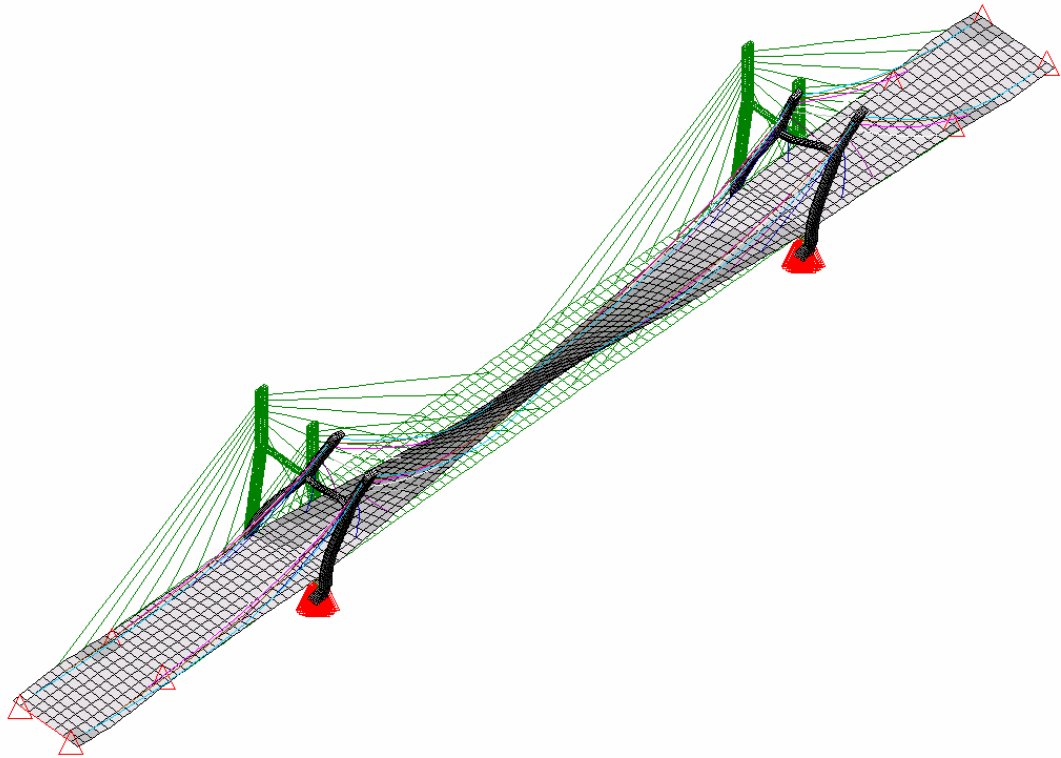
Faculty of Civil and Sanitary Engineering, Lublin University of Technology

Modal analysis of the Siekierkowski Bridge in Warsaw

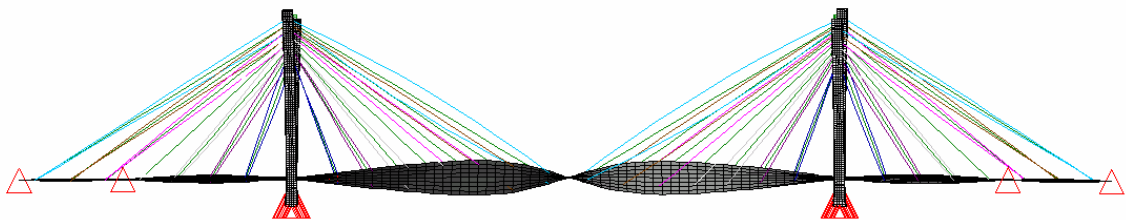
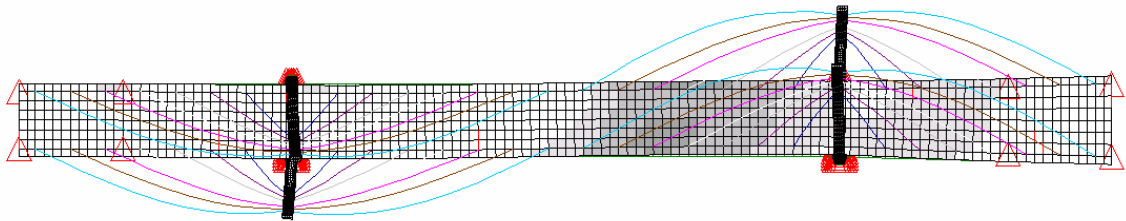
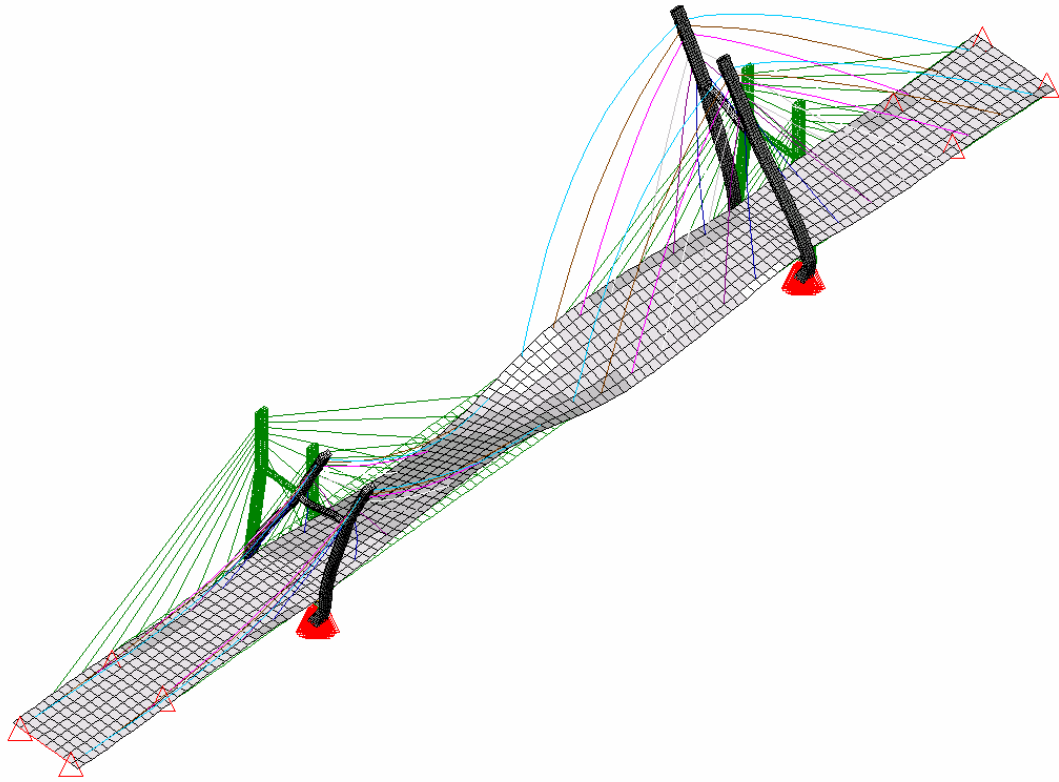
Mode number	Circular frequency [rad/sec]	Frequency [Hz]	Period [sec]
1	2.6944E+00	4.2882E-01	2.3320E+00
2	3.0417E+00	4.8409E-01	2.0657E+00
3	3.1342E+00	4.9883E-01	2.0047E+00
4	3.4104E+00	5.4279E-01	1.8423E+00
5	3.6354E+00	5.7859E-01	1.7283E+00
6	4.5512E+00	7.2435E-01	1.3806E+00
7	5.0780E+00	8.0818E-01	1.2373E+00
8	5.2742E+00	8.3942E-01	1.1913E+00
9	5.2784E+00	8.4009E-01	1.1904E+00
10	5.3110E+00	8.4527E-01	1.1831E+00
11	5.3181E+00	8.4640E-01	1.1815E+00
12	5.3227E+00	8.4714E-01	1.1804E+00
13	5.3305E+00	8.4838E-01	1.1787E+00
14	5.3528E+00	8.5193E-01	1.1738E+00
15	5.3627E+00	8.5351E-01	1.1716E+00
16	5.3736E+00	8.5524E-01	1.1693E+00
17	5.3745E+00	8.5539E-01	1.1691E+00
18	5.3907E+00	8.5795E-01	1.1656E+00
19	5.3991E+00	8.5929E-01	1.1638E+00
20	5.4097E+00	8.6098E-01	1.1615E+00
21	5.4121E+00	8.6137E-01	1.1609E+00
22	5.4254E+00	8.6348E-01	1.1581E+00
23	5.4450E+00	8.6661E-01	1.1539E+00
24	5.9980E+00	9.5461E-01	1.0476E+00
25	6.1074E+00	9.7203E-01	1.0288E+00
26	6.1167E+00	9.7350E-01	1.0272E+00
27	6.1370E+00	9.7674E-01	1.0238E+00
28	6.1467E+00	9.7828E-01	1.0222E+00
29	6.1823E+00	9.8394E-01	1.0163E+00
30	6.2012E+00	9.8695E-01	1.0132E+00
31	6.2054E+00	9.8763E-01	1.0125E+00
32	6.2283E+00	9.9126E-01	1.0088E+00
33	6.2326E+00	9.9195E-01	1.0081E+00
34	6.4066E+00	1.0196E+00	9.8074E-01
35	6.4315E+00	1.0236E+00	9.7693E-01
36	6.5013E+00	1.0347E+00	9.6645E-01
37	6.5046E+00	1.0352E+00	9.6596E-01
38	6.5280E+00	1.0390E+00	9.6250E-01
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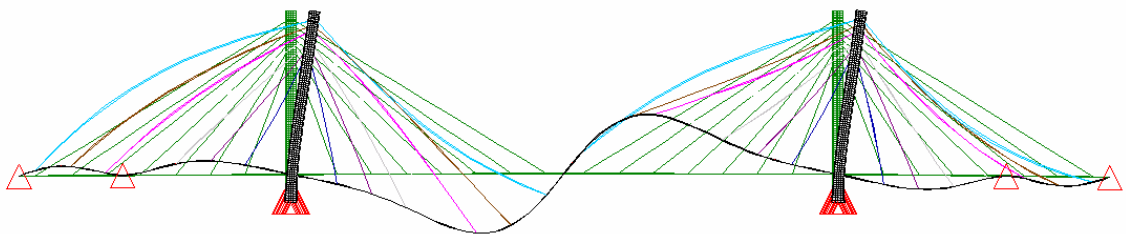
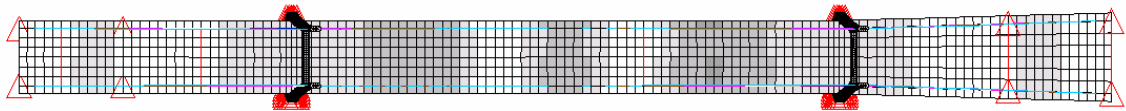
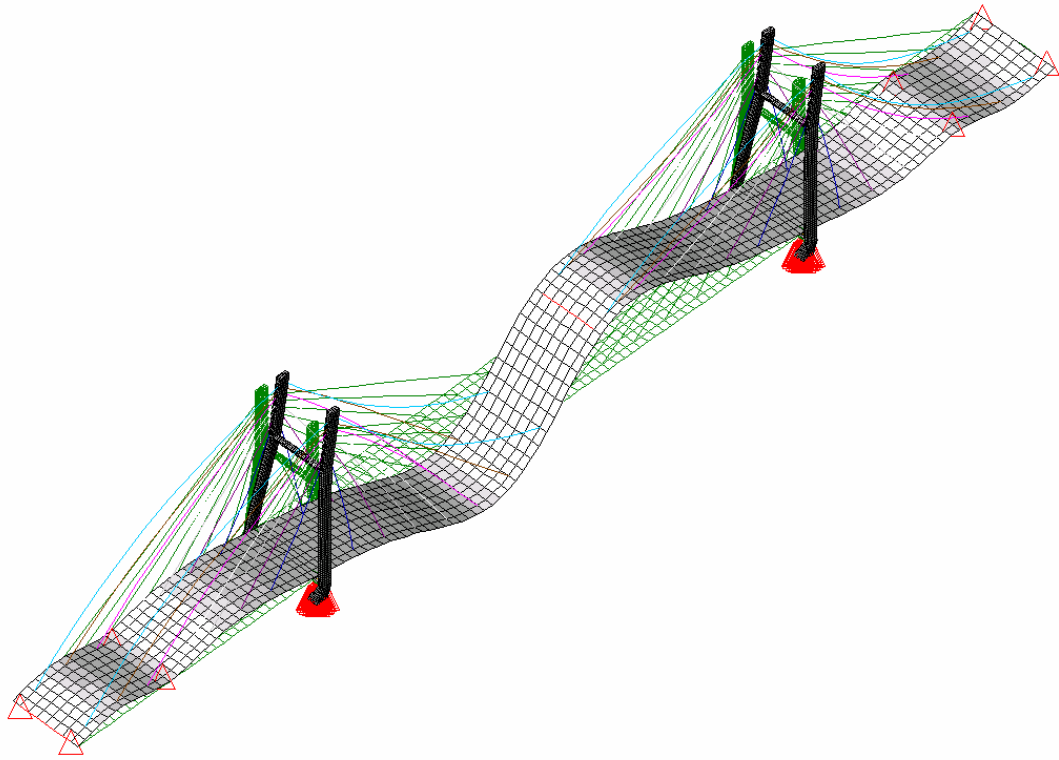
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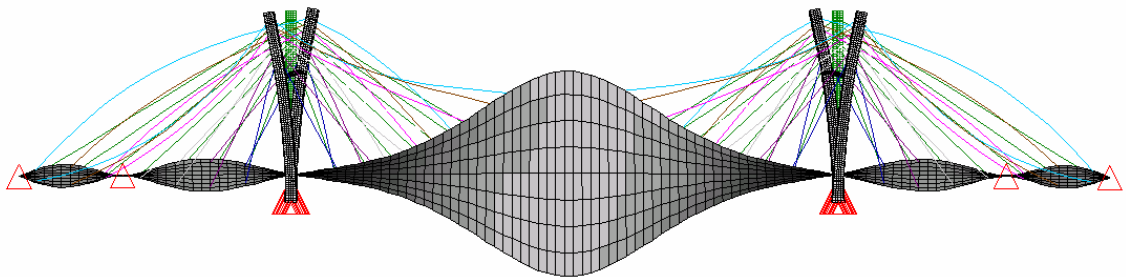
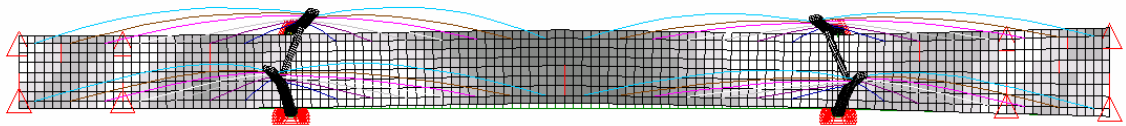
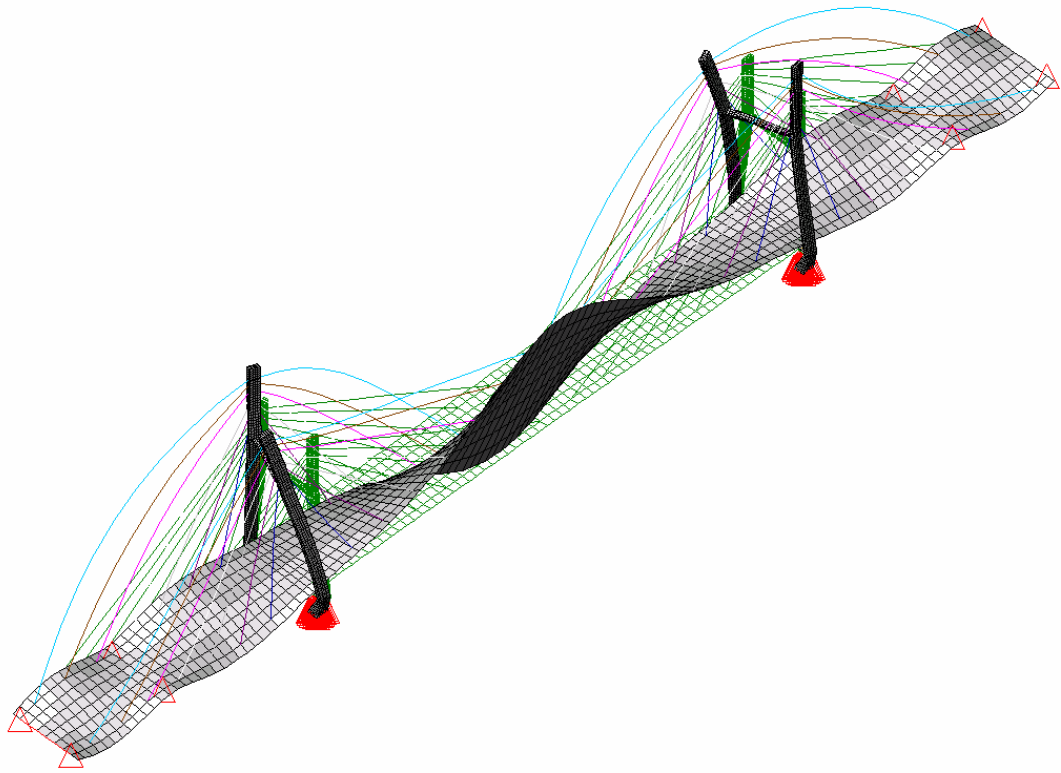
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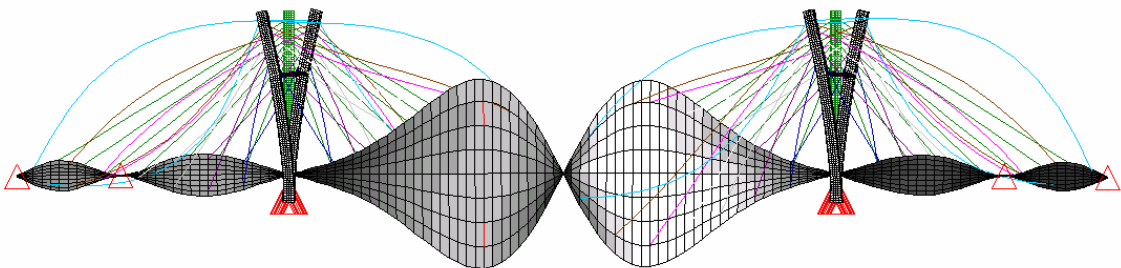
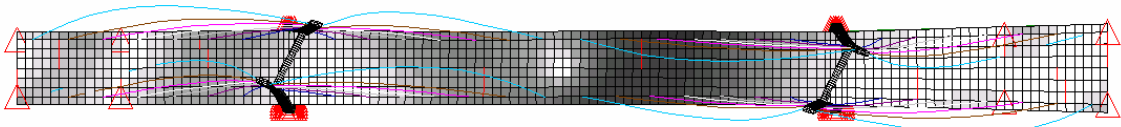
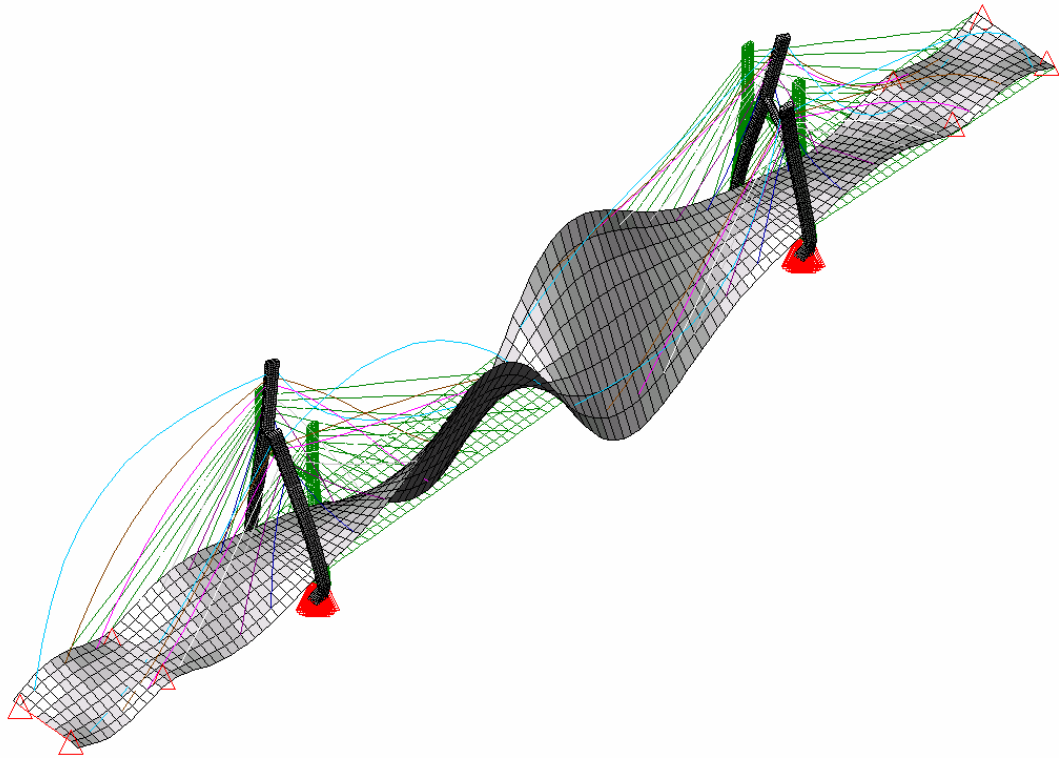
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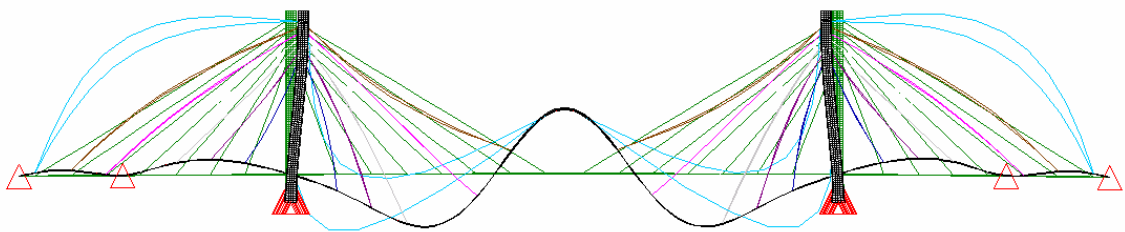
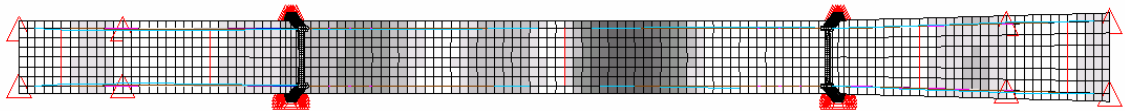
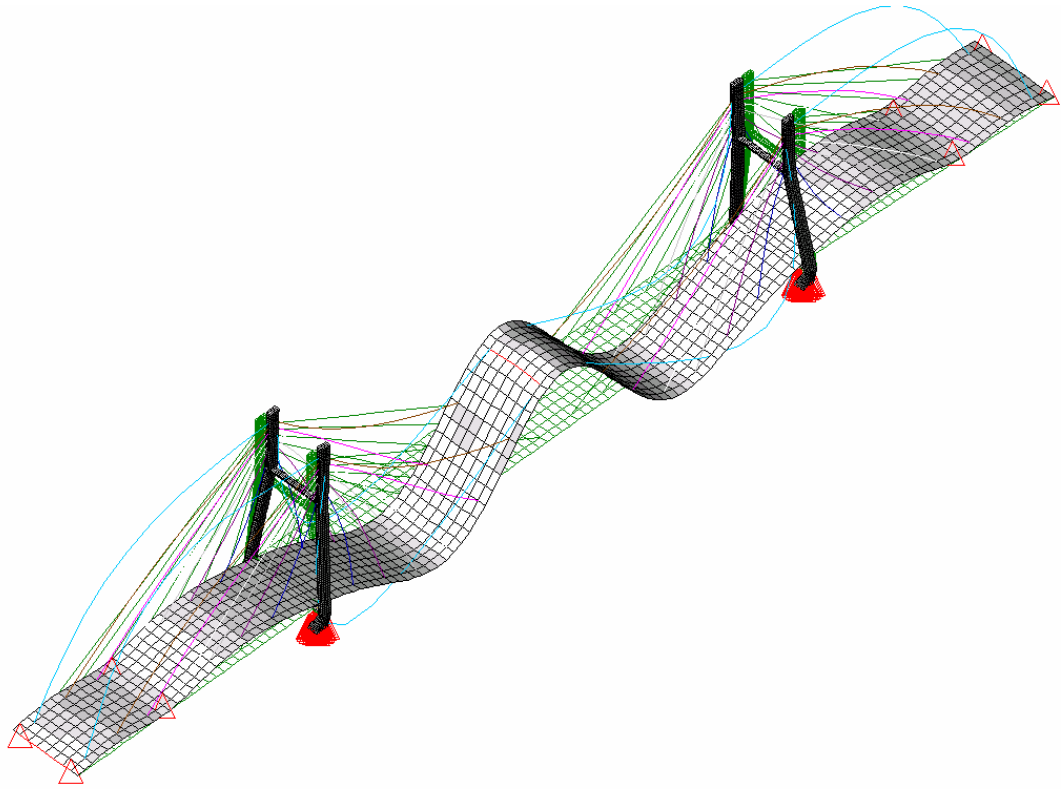
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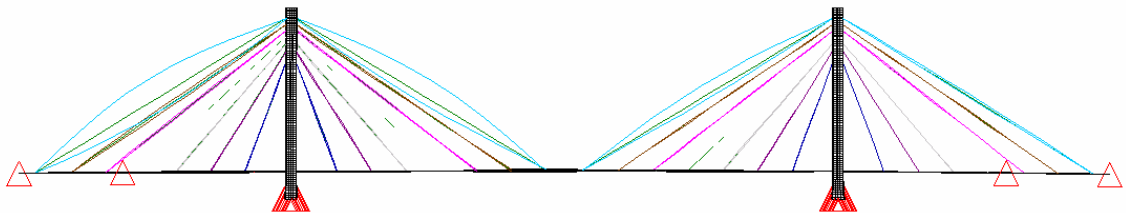
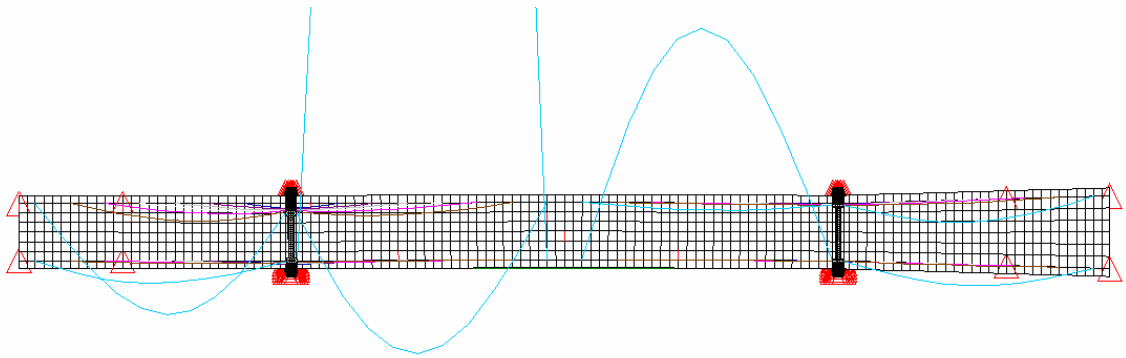
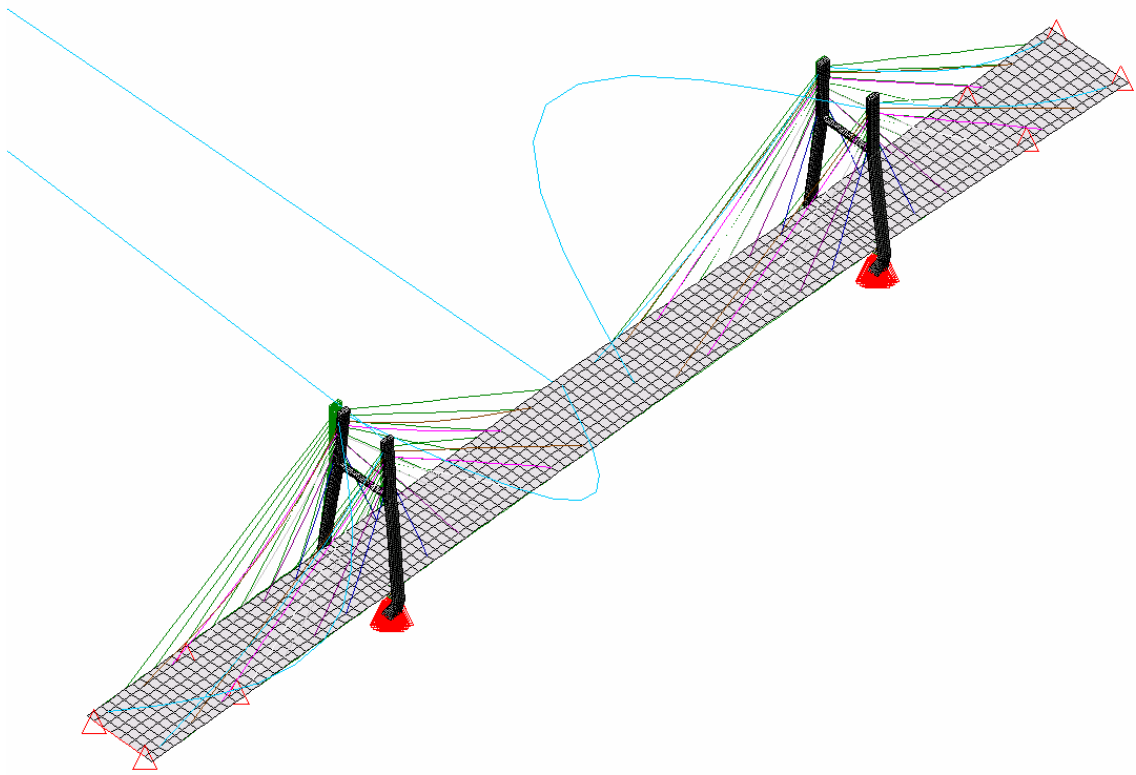
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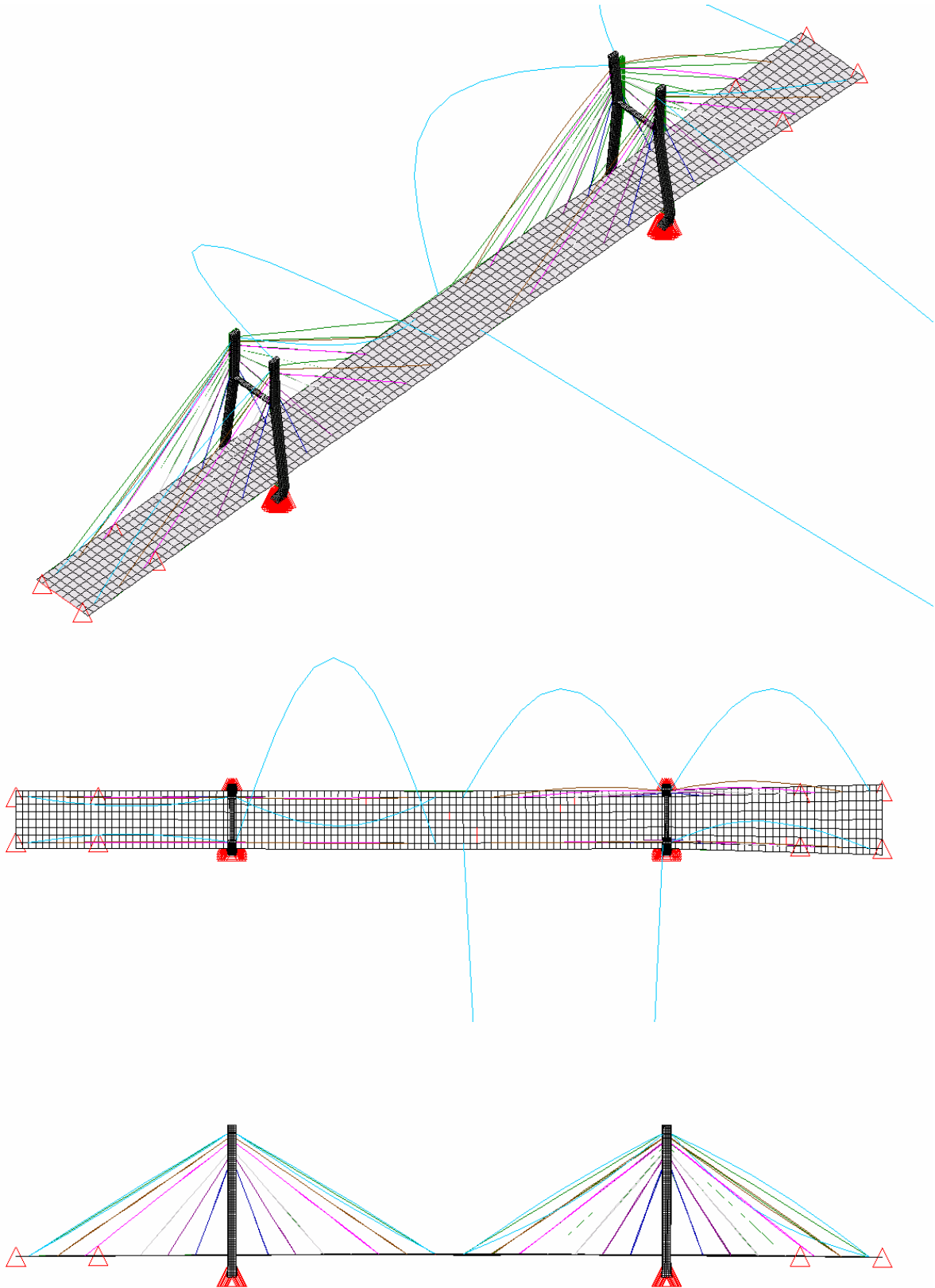
6	4.5512E+00	7.2435E-01	1.3806E+00
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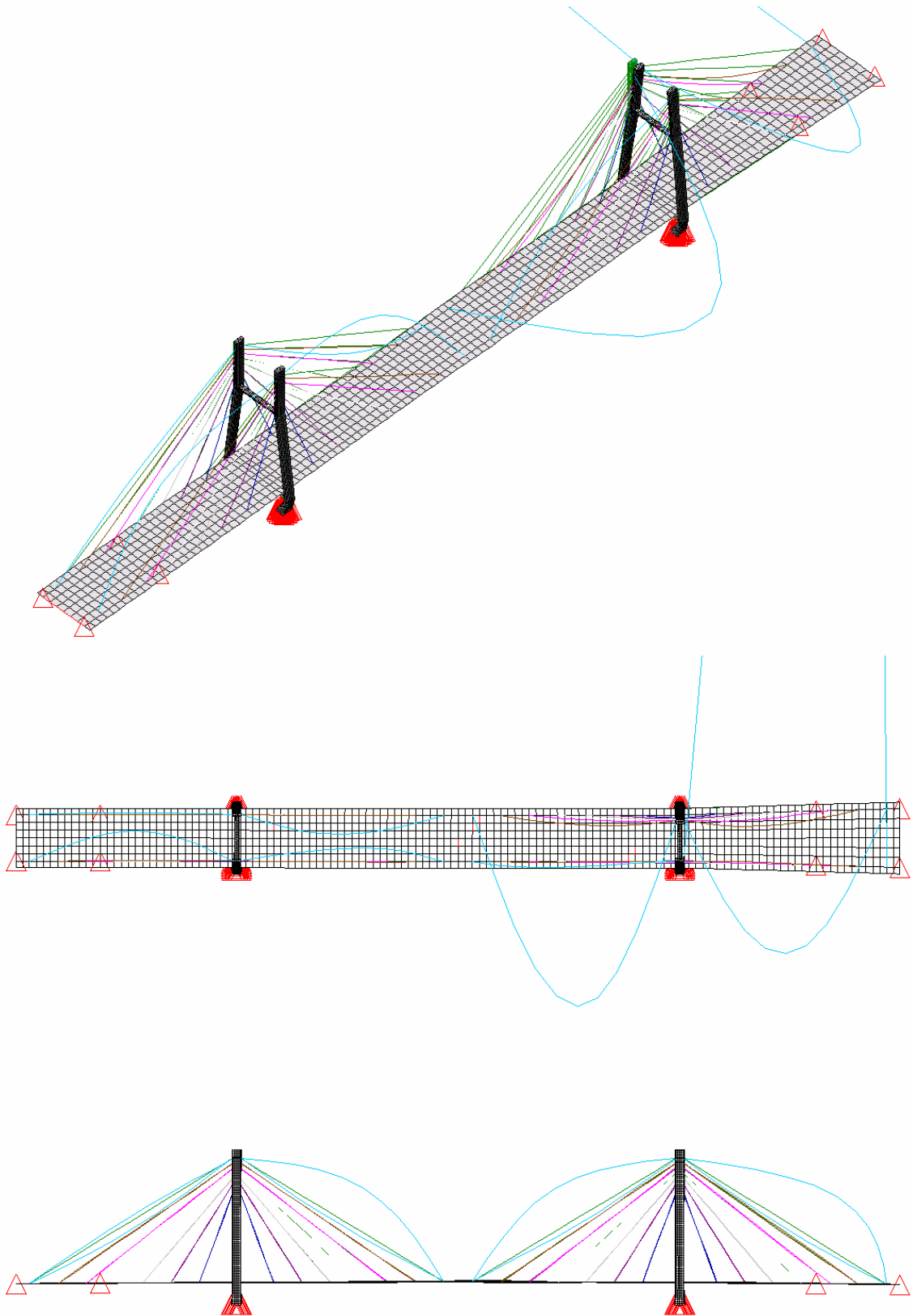
7	5.0780E+00	8.0818E-01	1.2373E+00
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8	5.2742E+00	8.3942E-01	1.1913E+00
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9	5.2784E+00	8.4009E-01	1.1904E+00
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10	5.3110E+00	8.4527E-01	1.1831E+00
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