

塑性率 1M-EW

Y14						Y15				Y16				Y17					
はり端		はりJ端		トラス		はり端		はりJ端		はり端		はりJ端		はり端		はりJ端		トラス	
549-550	5.492	464-465	4.543	894-979	9.405	472-473	3.173	472-473	1.974	481-482	3.578	567-568	2.513	576-577	3.33	576-577	2.549	1333-1250	2.528
463-464	5.45	550-551	4.503	980-1061	9.216	558-559	3.125	558-559	1.97	567-568	3.567	481-482	2.501	570-571	3.317	490-491	2.518	1332-1249	2.064
635-636	5.418	378-379	4.356	808-893	9.163	386-387	3.017	987-988	1.955	475-476	3.542	653-654	2.44	484-485	3.306	662-663	2.477	1331-1248	1.209
979-980	5.286	636-637	4.281	895-980	8.589	644-645	2.926	644-645	1.888	561-562	3.536	739-740	2.341	490-491	3.284	1004-1005	2.455	1743-1661	0.93
893-894	5.159	292-293	4.066	809-894	8.558	730-731	2.775	386-387	1.856	647-648	3.405	395-396	2.337	662-663	3.275	748-749	2.395	1744-1662	0.693
721-722	5.148	722-723	3.963	981-1062	8.221	467-468	2.756	730-731	1.794	653-654	3.4	825-826	2.232	656-657	3.226	404-405	2.336	1742-1660	0.665
377-378	5.056	207-208	3.808	1062-1143	7.837	553-554	2.729	467-468	1.776	395-396	3.371	995-996	2.223	742-743	3.123	834-835	2.315	1330-1247	0.495
807-808	5.043	808-809	3.586	465-550	7.129	902-903	2.715	300-301	1.718	389-390	3.363	911-912	2.2	748-749	3.122	485-486	2.262	1741-1659	0.458
120-121	4.679	454-455	3.551	379-464	7.123	987-988	2.67	553-554	1.714	739-740	3.27	476-477	2.137	398-399	3.113	571-572	2.259	1247-1331	0.305
1061-1062	4.662	540-541	3.494	551-636	7.017	300-301	2.667	816-817	1.708	733-734	3.248	562-563	2.111	998-999	3.095	920-921	2.212	1658-1741	0.122
453-454	4.619	980-981	3.422	550-635	6.916	982-983	2.661	381-382	1.692	911-912	3.231	309-310	2.098	1004-1005	3.084	657-658	2.201	1659-1742	0.088
291-292	4.611	626-627	3.367	464-549	6.886	816-817	2.658	1069-1070	1.581	995-996	3.184	1077-1078	2.018	920-921	3.072	1086-1087	2.151	1248-1332	0.058
367-368	4.555	894-895	3.354	293-378	6.76	381-382	2.636	215-216	1.577	825-826	3.165	390-391	2.006	404-405	3.067	399-400	2.121		
539-540	4.431	368-369	3.348	636-721	6.75	639-640	2.598	902-903	1.57	819-820	3.087	648-649	1.976	834-835	3.032	318-319	2.083		
550-551	4.354	121-122	3.291	378-463	6.735	295-296	2.5	639-640	1.549	989-990	3.076	224-225	1.938	828-829	3.021	743-744	2.07		
464-465	4.347	282-283	3.215	1063-1144	6.678	215-216	2.495	295-296	1.48	303-304	3.068	734-735	1.858	914-915	2.949	999-1000	2.005		
281-282	4.277	970-971	3.156	637-722	6.618	725-726	2.483	210-211	1.47	905-906	3.05	906-907	1.807	312-313	2.845	915-916	1.985		
196-197	4.259	712-713	3.138	722-807	6.583	1069-1070	2.451	725-726	1.415	309-310	2.958	990-991	1.771	1086-1087	2.845	829-830	1.968		
378-379	4.12	884-885	3.047	723-808	6.23	811-812	2.389	557-558	1.39	1077-1078	2.958	820-821	1.758	1080-1081	2.779	313-314	1.948		
625-626	4.108	798-799	2.998	292-377	6.226	210-211	2.34	815-816	1.382	218-219	2.844	304-305	1.745	318-319	2.731	233-234	1.835		
636-637	4.045	118-119	2.942	208-292	6.117	897-898	2.304	643-644	1.376	1071-1072	2.816	219-220	1.64	233-234	2.588	1081-1082	1.81		
206-207	4.004	1062-1063	2.888	122-207	5.727	1064-1065	2.288	471-472	1.372	224-225	2.742	138-139	1.615	227-228	2.575	228-229	1.715		
117-118	3.943	1052-1053	2.804	207-291	5.597	58-59	2.188	897-898	1.361	132-133	2.539	1072-1073	1.609	141-142	2.41	147-148	1.521		
292-293	3.711	549-550	2.613	121-206	5.199	124-125	2.09	729-730	1.358	138-139	2.156	566-567	1.357	147-148	2.198	661-662	1.51		
711-712	3.631	463-464	2.564	52-121	4.977	129-130	1.928	982-983	1.35	61-62	2.034	480-481	1.342	76-77	1.885	575-576	1.501		
722-723	3.611	635-636	2.546	51-120	4.38	54-55	1.662	901-902	1.349	67-68	1.907	652-653	1.34	1162-1163	1.839	1003-1004	1.49		
454-455	3.598	197-198	2.482	1144-1225	4.206	130-131	1.254	986-987	1.336	1159-1160	1.775	738-739	1.32	70-71	1.799	919-920	1.471		
540-541	3.569	51-52	2.418	1145-1226	3.09	983-984	1.112	1068-1069	1.335	1153-1154	1.573	910-911	1.309	1168-1169	1.679	747-748	1.469		
626-627	3.379	721-722	2.375	1307-1224	2.944	898-899	1.108	129-130	1.321	563-564	1.066	994-995	1.298	148-149	1.388	489-490	1.457		
368-369	3.377	377-378	2.315	6-51	2.856	554-555	1.107	811-812	1.315	991-992	1.063	1076-1077	1.278	1414-1415	1.012	1085-1086	1.45		
45-46	3.345	979-980	2.197	1305-1222	2.822	1151-1152	1.101	385-386	1.283	907-908	1.06	133-134	1.277	1496-1497	0.996	142-143	1.437		
50-51	3.255	807-808	2.182	5-50	2.448	468-469	1.082	1064-1065	1.189	477-478	1.045	824-825	1.276	77-78	0.995	833-834	1.429		
969-970	3.229	46-47	2.15	1804-1883	2.05	640-641	1.075	54-55	1.165	649-650	1.03	394-395	1.244	1415-1416	0.991	1168-1169	1.398		
712-713	3.224	893-894	2.034	1215-1300	2.04	726-727	1.052	299-300	1.073	821-822	1.02	67-68	1.172	1000-1001	0.986	403-404	1.333		
207-208	3.214	291-292	1.841	1628-1711	1.991	812-813	0.998	124-125	1.05	735-736	1.005	1159-1160	1.085	916-917	0.977	317-318	1.185		
808-809	3.142	634-635	1.641	1805-1884	1.965	382-383	0.99	214-215	0.99	391-392	0.974	308-309	1.042	658-659	0.965	71-72	1.129		
797-798	3.088	1134-1135	1.639	1627-1710	1.853	216-217	0.982	123-124	0.96	1073-1074	0.956	62-63	0.997	1578-1579	0.965	1163-1164	1.129		

塑性率 1M-EW

Y18					Y19					Y20					Y21				
はり端		はりJ端		トラス		はり端		はりJ端		はり端		はりJ端		はり端		はりJ端		トラス	
590-591	3.338	591-592	2.537	1347-1265	2.543	600-601	3.575	515-516	2.503	263-264	3.302	523-524	1.973	276-277	6.81	537-538	4.519	967-1048	9.437
584-585	3.314	505-506	2.504	1346-1264	2.082	514-515	3.552	601-602	2.498	523-524	3.15	609-610	1.969	450-451	5.709	623-624	4.47	1049-1130	9.244
246-247	3.306	677-678	2.465	1345-1263	1.224	508-509	3.539	687-688	2.429	609-610	3.132	1036-1037	1.958	622-623	5.604	451-452	4.281	881-966	9.198
498-499	3.302	1019-1020	2.446	1758-1675	0.936	594-595	3.532	773-774	2.33	437-438	3.075	259-260	1.911	708-709	5.432	709-710	4.261	968-1049	8.584
676-677	3.274	763-764	2.383	1759-1676	0.698	255-256	3.5	429-430	2.314	695-696	2.926	695-696	1.888	1048-1049	5.31	267-268	4.182	882-967	8.543
504-505	3.259	419-420	2.321	1757-1674	0.671	428-429	3.426	859-860	2.223	781-782	2.779	437-438	1.847	536-537	5.287	365-366	3.958	1050-1131	8.223
670-671	3.224	849-850	2.305	1344-1262	0.492	680-681	3.404	1029-1030	2.216	518-519	2.763	781-782	1.795	794-795	5.19	795-796	3.946	1131-1212	7.862
418-419	3.135	585-586	2.26	1756-1673	0.463	686-687	3.403	945-946	2.192	604-605	2.729	518-519	1.757	966-967	5.187	277-278	3.767	538-623	7.091
762-763	3.126	499-500	2.247	1262-1345	0.3	422-423	3.349	509-510	2.125	953-954	2.719	604-605	1.717	880-881	5.071	441-442	3.578	452-537	7.081
756-757	3.121	935-936	2.202	1672-1756	0.122	772-773	3.277	251-252	2.119	1036-1037	2.674	432-433	1.71	1130-1131	4.685	881-882	3.574	624-709	6.988
412-413	3.108	671-672	2.198	1673-1757	0.086	766-767	3.248	595-596	2.112	1031-1032	2.666	867-868	1.71	526-527	4.586	613-614	3.553	623-708	6.95
1012-1013	3.094	242-243	2.187	1263-1346	0.056	944-945	3.24	343-344	2.06	867-868	2.663	351-352	1.692	440-441	4.455	527-528	3.519	537-622	6.92
1018-1019	3.09	413-414	2.155			1028-1029	3.193	423-424	2.024	432-433	2.627	263-264	1.592	612-613	4.385	1049-1050	3.421	709-794	6.78
934-935	3.077	1101-1102	2.142			858-859	3.173	1111-1112	2.012	690-691	2.601	1118-1119	1.584	537-538	4.318	699-700	3.393	451-536	6.778
848-849	3.036	333-334	2.074			852-853	3.088	681-682	1.974	776-777	2.486	953-954	1.571	623-624	4.309	967-968	3.349	1132-1213	6.689
842-843	3.019	757-758	2.069			1022-1023	3.078	256-257	1.94	346-347	2.473	690-691	1.55	266-267	4.206	194-195	3.241	366-451	6.64
928-929	2.937	1013-1014	2.004			938-939	3.052	767-768	1.858	1118-1119	2.456	776-777	1.418	354-355	4.136	1039-1040	3.176	795-880	6.611
1100-1101	2.851	929-930	1.994			336-337	3.036	939-940	1.808	351-352	2.412	608-609	1.393	698-699	4.079	785-786	3.169	710-795	6.596
326-327	2.828	843-844	1.967			1110-1111	2.969	1023-1024	1.772	862-863	2.392	694-695	1.377	709-710	4.018	957-958	3.07	796-881	6.214
1094-1095	2.778	247-248	1.842			1104-1105	2.818	853-854	1.759	948-949	2.307	522-523	1.366	451-452	4.015	871-872	3.023	365-450	6.198
241-242	2.566	1095-1096	1.809			250-251	2.759	337-338	1.634	1113-1114	2.293	346-347	1.364	183-184	3.875	1131-1132	2.89	278-365	6.028
332-333	2.481	327-328	1.801			342-343	2.741	1105-1106	1.611	259-260	2.292	948-949	1.364	114-115	3.81	1121-1122	2.822	195-277	5.689
155-156	2.4	675-676	1.511			165-166	2.522	172-173	1.589	108-109	2.258	780-781	1.36	527-528	3.659	622-623	2.643	277-364	5.658
161-162	2.043	589-590	1.506			94-95	2.033	599-600	1.36	175-176	2.081	1031-1032	1.353	613-614	3.615	536-537	2.597	194-276	5.138
90-91	1.923	162-163	1.499			171-172	1.989	685-686	1.34	180-181	1.696	952-953	1.351	784-785	3.605	708-709	2.574	116-194	4.91
1176-1177	1.839	1017-1018	1.492			100-101	1.951	513-514	1.337	104-105	1.656	1117-1118	1.339	365-366	3.597	794-795	2.4	115-193	4.486
84-85	1.799	933-934	1.473			1192-1193	1.788	771-772	1.321	181-182	1.221	1035-1036	1.338	795-796	3.588	115-116	2.383	1213-1296	4.228
1182-1183	1.688	761-762	1.47			1186-1187	1.577	943-944	1.311	1032-1033	1.115	862-863	1.316	699-700	3.422	450-451	2.357	1214-1297	3.106
163-164	1.372	1099-1100	1.452			596-597	1.068	1027-1028	1.3	949-950	1.111	866-867	1.316	441-442	3.42	112-113	2.327	1376-1295	2.989
1428-1429	1.021	503-504	1.448			1024-1025	1.065	1109-1110	1.281	605-606	1.11	436-437	1.305	785-786	3.272	1048-1049	2.215	1374-1293	2.917
1510-1511	0.999	847-848	1.431			940-941	1.063	857-858	1.277	1200-1201	1.105	180-181	1.302	1038-1039	3.226	880-881	2.205	44-115	2.852
1429-1430	0.994	1183-1184	1.391			510-511	1.042	427-428	1.266	519-520	1.079	1113-1114	1.192	277-278	3.148	966-967	2.054	43-114	2.412
92-93	0.992	417-418	1.363			682-683	1.031	166-167	1.189	691-692	1.076	104-105	1.168	881-882	3.128	184-185	1.828	1871-1950	2.076
1014-1015	0.987	156-157	1.341			854-855	1.022	101-102	1.159	863-864	1.071	175-176	0.996	871-872	3.101	276-277	1.686	1286-1369	2.031
930-931	0.978	85-86	1.151			768-769	1.007	1193-1194	1.081	777-778	1.055	350-351	0.988	1039-1040	3.079	1203-1204	1.655	1697-1782	1.988
1592-1593	0.968	1177-1178	1.128			424-425	0.98	95-96	1.011	433-434	0.995	1199-1200	0.962	870-871	3.07	621-622	1.643	1872-1951	1.988
672-673	0.966	1181-1182	1.086			1106-1107	0.957	341-342	0.975	264-265	0.98	108-109	0.952	111-112	3.013	707-708	1.64	1696-1781	1.85

塑性率 Ai-EW

Y14					Y15					Y16					Y17					
はり端		はりJ端		トラス	はり端		はりJ端			はり端		はりJ端			はり端		はりJ端		トラス	
979-980	5.065	464-465	3.744	980-1061	9.192	472-473	2.656	987-988	1.913	995-996	3.111	995-996	2.173	998-999	3.039	1004-1005	2.419	1332-1249	3.838	
1061-1062	4.79	550-551	3.67	894-979	8.854	558-559	2.591	1069-1070	1.631	1077-1078	3.075	567-568	2.116	1004-1005	3.011	1086-1087	2.214	1333-1250	3.4	
893-894	4.486	378-379	3.64	981-1062	8.318	982-983	2.589	472-473	1.624	481-482	3.071	481-482	2.115	1086-1087	2.941	576-577	2.155	1743-1661	2.424	
549-550	4.32	292-293	3.49	895-980	8.175	987-988	2.582	558-559	1.604	567-568	3.042	1077-1078	2.09	1080-1081	2.845	490-491	2.137	1331-1248	2.207	
463-464	4.308	636-637	3.466	808-893	8.143	386-387	2.55	386-387	1.545	475-476	3.028	653-654	2.054	484-485	2.827	662-663	2.089	1744-1662	0.982	
635-636	4.273	207-208	3.338	1062-1143	8.095	1069-1070	2.535	644-645	1.523	561-562	3.007	395-396	1.991	570-571	2.823	748-749	2.019	1742-1660	0.953	
120-121	4.143	980-981	3.303	809-894	7.692	902-903	2.417	300-301	1.462	989-990	2.996	911-912	1.987	576-577	2.803	404-405	1.997	1330-1247	0.657	
807-808	4.102	722-723	3.206	1063-1144	7.056	644-645	2.407	730-731	1.437	911-912	2.952	739-740	1.983	920-921	2.785	834-835	1.974	1741-1659	0.579	
721-722	4.079	1062-1063	3.031	379-464	6.28	1064-1065	2.33	1068-1069	1.431	395-396	2.907	825-826	1.918	490-491	2.769	999-1000	1.934	1247-1331	0.305	
377-378	4.044	121-122	2.946	465-550	6.225	300-301	2.31	467-468	1.387	389-390	2.903	309-310	1.822	662-663	2.763	920-921	1.916	1658-1741	0.122	
1387-1388	3.761	808-809	2.917	551-636	6.112	730-731	2.292	816-817	1.379	1071-1072	2.894	476-477	1.76	656-657	2.737	485-486	1.87	1659-1742	0.088	
291-292	3.758	970-971	2.898	293-378	6.055	467-468	2.289	215-216	1.373	653-654	2.893	562-563	1.719	398-399	2.688	1081-1082	1.859	1248-1332	0.058	
367-368	3.724	894-895	2.897	550-635	5.883	553-554	2.239	986-987	1.359	647-648	2.89	990-991	1.713	742-743	2.65	571-572	1.856			
453-454	3.692	1052-1053	2.811	464-549	5.856	816-817	2.232	381-382	1.357	739-740	2.799	224-225	1.712	748-749	2.646	657-658	1.807			
196-197	3.69	454-455	2.624	378-463	5.771	215-216	2.226	553-554	1.309	733-734	2.769	390-391	1.674	834-835	2.616	318-319	1.804			
281-282	3.599	540-541	2.535	636-721	5.765	381-382	2.223	901-902	1.309	905-906	2.759	1072-1073	1.661	404-405	2.61	399-400	1.772			
117-118	3.517	282-283	2.526	637-722	5.756	295-296	2.16	982-983	1.274	825-826	2.752	648-649	1.603	828-829	2.587	915-916	1.753			
539-540	3.447	368-369	2.523	722-807	5.687	639-640	2.109	902-903	1.273	303-304	2.702	906-907	1.579	914-915	2.571	743-744	1.702			
206-207	3.43	118-119	2.511	208-292	5.563	210-211	2.066	815-816	1.267	819-820	2.665	734-735	1.512	312-313	2.495	313-314	1.66			
464-465	3.309	884-885	2.454	723-808	5.451	725-726	2.004	210-211	1.259	309-310	2.622	304-305	1.49	318-319	2.349	829-830	1.643			
550-551	3.272	626-627	2.424	292-377	5.405	58-59	1.999	557-558	1.251	218-219	2.548	138-139	1.451	233-234	2.33	233-234	1.619			
378-379	3.193	1388-1389	2.253	122-207	5.298	811-812	1.942	643-644	1.237	224-225	2.476	820-821	1.451	227-228	2.296	1085-1086	1.562			
969-970	3.115	712-713	2.247	207-291	4.946	897-898	1.892	729-730	1.23	132-133	2.321	219-220	1.434	141-142	2.202	1003-1004	1.523			
625-626	3.109	51-52	2.209	1305-1222	4.709	124-125	1.846	1064-1065	1.226	138-139	1.975	1076-1077	1.388	1414-1415	2.006	1168-1169	1.519			
45-46	3.069	798-799	2.198	121-206	4.688	129-130	1.744	471-472	1.225	1159-1160	1.858	994-995	1.318	147-148	2.001	228-229	1.499			
636-637	2.991	979-980	2	52-121	4.687	54-55	1.543	295-296	1.217	61-62	1.855	910-911	1.268	1578-1579	1.99	1414-1415	1.469			
292-293	2.958	197-198	1.977	1144-1225	4.472	1151-1152	1.225	639-640	1.161	67-68	1.784	1159-1160	1.203	1162-1163	1.973	919-920	1.407			
50-51	2.942	46-47	1.906	51-120	4.038	983-984	1.143	129-130	1.145	1153-1154	1.736	566-567	1.202	1496-1497	1.956	1578-1579	1.401			
1051-1052	2.919	549-550	1.749	1307-1224	3.785	898-899	1.055	385-386	1.121	991-992	1.091	652-653	1.184	1168-1169	1.81	147-148	1.342			
970-971	2.758	1134-1135	1.731	1145-1226	3.447	1065-1066	1.041	897-898	1.115	907-908	1.006	480-481	1.181	76-77	1.713	1496-1497	1.34			
711-712	2.692	463-464	1.727	1716-1635	3.287	1146-1147	1.033	1150-1151	1.063	1073-1074	0.997	738-739	1.174	70-71	1.675	661-662	1.332			
980-981	2.682	635-636	1.706	1804-1883	3.117	130-131	0.993	54-55	1.053	821-822	0.963	824-825	1.165	1415-1416	1.47	575-576	1.312			
1143-1144	2.65	1470-1471	1.669	1805-1884	2.924	554-555	0.979	725-726	1.048	563-564	0.959	133-134	1.137	1495-1496	1.265	747-748	1.312			
722-723	2.616	1060-1061	1.626	1303-1220	2.915	640-641	0.969	811-812	1.001	477-478	0.95	394-395	1.08	1497-1498	1.246	833-834	1.303			
207-208	2.59	978-979	1.622	1884-1963	2.793	468-469	0.967	299-300	0.967	649-650	0.948	67-68	1.072	1579-1580	1.211	142-143	1.288			
1052-1053	2.474	721-722	1.581	6-51	2.747	726-727	0.966	124-125	0.962	735-736	0.944	1158-1159	1.004	1413-1414	1.19	489-490	1.267			
454-455	2.443	377-378	1.563	1628-1711	2.371	812-813	0.953	214-215	0.928	391-392	0.909	62-63	0.957	148-149	1.126	1167-1168	1.22			

塑性率 Ai-EW

Y18						Y19				Y20				Y21					
はり端		はりJ端		トラス		はり端		はりJ端		はり端		はりJ端		はり端		はりJ端		トラス	
1012-1013	3.038	1019-1020	2.41	1346-1264	3.866	255-256	3.178	1029-1030	2.165	263-264	2.974	1036-1037	1.916	276-277	6.058	537-538	3.709	1049-1130	9.229
1018-1019	3.017	1101-1102	2.205	1347-1265	3.415	1028-1029	3.121	515-516	2.117	523-524	2.638	259-260	1.658	1048-1049	5.096	623-624	3.628	967-1048	8.896
246-247	2.99	591-592	2.143	1758-1675	2.455	1110-1111	3.086	601-602	2.103	609-610	2.597	1118-1119	1.634	1130-1131	4.82	451-452	3.553	1050-1131	8.314
1100-1101	2.947	505-506	2.124	1345-1263	2.222	600-601	3.05	1111-1112	2.084	437-438	2.595	523-524	1.623	450-451	4.68	267-268	3.508	881-966	8.189
1094-1095	2.845	677-678	2.078	1759-1676	0.988	514-515	3.049	687-688	2.044	1031-1032	2.594	609-610	1.603	966-967	4.522	709-710	3.437	968-1049	8.16
498-499	2.824	763-764	2.009	1757-1674	0.959	508-509	3.026	945-946	1.98	1036-1037	2.587	437-438	1.536	622-623	4.444	365-366	3.377	1131-1212	8.126
584-585	2.82	419-420	1.983	1344-1262	0.653	594-595	3.003	773-774	1.973	1118-1119	2.541	695-696	1.523	708-709	4.302	1049-1050	3.297	882-967	7.666
590-591	2.811	849-850	1.964	1756-1673	0.584	1022-1023	2.998	429-430	1.969	953-954	2.421	351-352	1.438	536-537	4.175	277-278	3.285	1132-1213	7.062
934-935	2.79	1013-1014	1.933	1262-1345	0.3	944-945	2.961	859-860	1.91	695-696	2.408	781-782	1.438	880-881	4.14	795-796	3.181	452-537	6.224
676-677	2.763	242-243	1.929	1672-1756	0.122	428-429	2.954	251-252	1.874	1113-1114	2.335	1117-1118	1.434	794-795	4.133	1131-1132	3.028	538-623	6.175
504-505	2.75	935-936	1.907	1673-1757	0.086	1104-1105	2.897	343-344	1.787	518-519	2.297	263-264	1.386	526-527	3.645	1039-1040	2.921	624-709	6.073
670-671	2.735	1095-1096	1.859	1263-1346	0.056	686-687	2.896	509-510	1.751	781-782	2.296	867-868	1.38	266-267	3.619	881-882	2.899	623-708	5.93
412-413	2.683	499-500	1.857			680-681	2.89	595-596	1.718	604-605	2.241	518-519	1.372	440-441	3.602	194-195	2.893	366-451	5.925
418-419	2.664	585-586	1.857			422-423	2.889	1023-1024	1.715	867-868	2.237	432-433	1.37	114-115	3.454	967-968	2.885	537-622	5.905
762-763	2.651	671-672	1.804			772-773	2.806	256-257	1.714	432-433	2.215	1035-1036	1.361	183-184	3.441	1121-1122	2.831	451-536	5.828
756-757	2.647	413-414	1.8			766-767	2.768	423-424	1.688	346-347	2.137	604-605	1.312	354-355	3.44	441-442	2.722	709-794	5.808
848-849	2.62	333-334	1.797			858-859	2.761	1105-1106	1.663	690-691	2.113	952-953	1.311	612-613	3.392	527-528	2.61	795-880	5.725
842-843	2.585	929-930	1.762			938-939	2.76	681-682	1.601	351-352	2.102	1031-1032	1.276	537-538	3.273	613-614	2.597	710-795	5.724
928-929	2.559	757-758	1.7			336-337	2.672	939-940	1.58	108-109	2.065	953-954	1.274	623-624	3.214	957-958	2.48	278-365	5.461
326-327	2.48	843-844	1.641			852-853	2.666	767-768	1.512	259-260	2.016	608-609	1.255	1038-1039	3.112	699-700	2.456	796-881	5.427
241-242	2.286	247-248	1.625			250-251	2.462	853-854	1.451	776-777	2.008	694-695	1.239	698-699	3.073	785-786	2.282	365-450	5.396
155-156	2.192	1099-1100	1.563			342-343	2.437	172-173	1.426	862-863	1.937	780-781	1.234	451-452	3.054	871-872	2.226	195-277	5.247
332-333	2.148	327-328	1.536			165-166	2.305	337-338	1.394	948-949	1.897	1113-1114	1.23	709-710	2.953	115-116	2.172	277-364	5.023
1428-1429	2.02	1017-1018	1.525			1192-1193	1.873	1109-1110	1.391	175-176	1.818	866-867	1.226	1120-1121	2.922	112-113	2.059	1374-1293	4.814
1592-1593	2.005	1183-1184	1.512			94-95	1.859	1027-1028	1.321	104-105	1.538	522-523	1.22	365-366	2.912	1048-1049	2.023	194-276	4.644
1176-1177	1.973	1428-1429	1.484			100-101	1.826	943-944	1.27	180-181	1.526	690-691	1.162	1039-1040	2.791	622-623	1.79	116-194	4.614
1510-1511	1.968	1592-1593	1.416			171-172	1.821	599-600	1.206	1200-1201	1.232	436-437	1.139	111-112	2.748	536-537	1.777	1213-1296	4.497
161-162	1.86	933-934	1.409			1186-1187	1.741	1193-1194	1.198	1032-1033	1.145	180-181	1.13	1049-1050	2.674	1203-1204	1.747	115-193	4.143
1182-1183	1.818	1510-1511	1.351			1024-1025	1.094	685-686	1.185	949-950	1.061	948-949	1.123	1212-1213	2.674	708-709	1.745	1376-1295	3.841
90-91	1.75	675-676	1.333			940-941	1.009	771-772	1.177	1114-1115	1.045	346-347	1.122	784-785	2.663	1539-1540	1.707	1214-1297	3.461
84-85	1.675	162-163	1.321			1106-1107	0.999	513-514	1.176	1195-1196	1.041	1199-1200	1.068	795-796	2.583	1457-1458	1.678	1787-1704	3.402
1429-1430	1.48	589-590	1.316			854-855	0.964	857-858	1.168	863-864	0.987	776-777	1.055	527-528	2.523	1129-1130	1.632	1871-1950	3.147
1509-1510	1.273	761-762	1.314			596-597	0.96	427-428	1.099	181-182	0.986	104-105	1.054	1121-1122	2.501	1047-1048	1.627	1372-1291	2.986
1511-1512	1.25	847-848	1.305			510-511	0.949	101-102	1.06	605-606	0.98	862-863	0.994	613-614	2.495	794-795	1.615	1872-1951	2.954
1593-1594	1.22	503-504	1.261			682-683	0.949	166-167	1.057	691-692	0.97	175-176	0.941	277-278	2.478	450-451	1.602	1951-2030	2.822
1427-1428	1.199	1181-1182	1.222			768-769	0.945	1191-1192	1.008	777-778	0.968	1200-1201	0.926	699-700	2.447	1621-1622	1.595	44-115	2.738
1591-1592	1.131	1177-1178	1.211			424-425	0.914	95-96	0.964	519-520	0.966	350-351	0.918	441-442	2.431	880-881	1.542	1952-2031	2.388

塑性率 Elcentro-EW

Y14						Y17						Y18						Y21					
はり端		はり端		トラス		はり端		はり端		トラス		はり端		はり端		トラス		はり端		はり端		トラス	
1955-1956	0.883	1052-1053	0.917	1874-1955	3.995	1984-1985	0.823	1081-1082	0.861	1247-1331	1.05	246-247	0.853	242-243	0.892	1262-1345	1.041	276-277	1.176	267-268	1.371	1941-2022	3.981
2035-2036	0.862	118-119	0.91	1052-1135	3.878	1904-1905	0.8	999-1000	0.822	1333-1250	0.945	1997-1998	0.823	1095-1096	0.86	1347-1265	0.947	450-451	0.909	112-113	0.953	1121-1204	3.876
1875-1876	0.86	46-47	0.877	1954-2035	3.82	2064-2065	0.798	1988-1989	0.821	1248-1332	0.855	1917-1918	0.8	2002-2003	0.823	1263-1346	0.854	2022-2023	0.883	1121-1122	0.917	2021-2102	3.805
1061-1062	0.823	51-52	0.822	970-1053	3.674	398-399	0.781	1908-1909	0.803	1659-1742	0.812	2077-2078	0.799	1013-1014	0.822	1673-1757	0.811	114-115	0.872	441-442	0.867	1039-1122	3.672
120-121	0.822	970-971	0.821	1873-1954	3.632	404-405	0.781	1983-1984	0.781	1332-1249	0.78	418-419	0.788	1922-1923	0.805	1346-1264	0.782	2102-2103	0.862	115-116	0.821	1940-2021	3.639
2115-2116	0.811	1134-1135	0.807	1794-1875	3.545	490-491	0.781	1086-1087	0.78	1743-1661	0.745	412-413	0.783	1101-1102	0.781	1758-1675	0.746	1942-1943	0.86	1039-1040	0.819	1861-1942	3.534
1795-1796	0.805	1384-1385	0.789	1062-1143	3.488	1004-1005	0.78	1577-1578	0.78	1660-1743	0.66	1018-1019	0.783	1591-1592	0.779	1674-1758	0.658	1130-1131	0.822	1203-1204	0.807	1131-1212	3.487
1135-1136	0.802	1550-1551	0.788	1793-1874	3.43	1086-1087	0.778	1495-1496	0.778	1249-1333	0.631	1100-1101	0.782	1509-1510	0.778	1264-1347	0.63	2182-2183	0.811	1453-1454	0.788	1860-1941	3.437
50-51	0.802	1884-1885	0.784	980-1061	3.407	484-485	0.773	404-405	0.765	1742-1660	0.586	504-505	0.781	1996-1997	0.773	1757-1674	0.588	1862-1863	0.805	1619-1620	0.787	1049-1130	3.405
1053-1054	0.796	1468-1469	0.782	1953-2034	3.276	1080-1081	0.765	147-148	0.763	1331-1248	0.559	498-499	0.773	419-420	0.769	1345-1263	0.561	1204-1205	0.801	1951-1952	0.782	2020-2101	3.282
2195-2196	0.778	1466-1467	0.771	884-971	3.222	998-999	0.751	318-319	0.763	1658-1741	0.544	1094-1095	0.765	413-414	0.762	1672-1756	0.545	1122-1123	0.796	1537-1538	0.781	957-1040	3.219
979-980	0.775	121-122	0.766	2034-2115	3.211	1982-1983	0.751	399-400	0.757	1661-1744	0.524	1996-1997	0.754	162-163	0.76	1675-1759	0.523	2262-2263	0.778	1535-1536	0.77	2101-2182	3.195
971-972	0.758	1964-1965	0.761	894-979	3.125	1824-1825	0.742	228-229	0.756	1744-1662	0.507	1012-1013	0.75	247-248	0.758	1759-1676	0.508	1048-1049	0.774	194-195	0.769	967-1048	3.124
1383-1384	0.744	1386-1387	0.758	1051-1134	3.043	312-313	0.742	1413-1414	0.755	1741-1659	0.459	590-591	0.744	1427-1428	0.754	1756-1673	0.463	1040-1041	0.758	2031-2032	0.759	1120-1203	3.044
45-46	0.738	1548-1549	0.754	798-885	2.93	576-577	0.742	1903-1904	0.755	1250-1334	0.166	1837-1838	0.742	505-506	0.753	1265-1348	0.165	1452-1453	0.743	1455-1456	0.757	871-958	2.93
1389-1390	0.734	1060-1061	0.749	969-1052	2.894	1246-1247	0.735	490-491	0.751	1330-1247	0.121	1261-1262	0.741	333-334	0.749	1344-1262	0.116	1458-1459	0.735	1617-1618	0.752	1038-1121	2.895
713-714	0.733	1142-1143	0.748	808-893	2.89	2144-2145	0.735	485-486	0.747			1916-1917	0.737	1916-1917	0.747			786-787	0.733	1129-1130	0.749	881-966	2.889
885-886	0.724	978-979	0.726	981-1062	2.584	1902-1903	0.733	1163-1164	0.744			2157-2158	0.735	1177-1178	0.744			958-959	0.724	1211-1212	0.749	1050-1131	2.584
627-628	0.723	197-198	0.726	1063-1144	2.576	1164-1165	0.726	1168-1169	0.739			326-327	0.734	499-500	0.743			700-701	0.722	1047-1048	0.726	1132-1213	2.577
799-800	0.722	1470-1471	0.721	1134-1217	2.563	570-571	0.717	1004-1005	0.734			1178-1179	0.726	1183-1184	0.741			872-873	0.722	621-622	0.723	1203-1288	2.565
1217-1218	0.72	548-549	0.72	2033-2114	2.551	920-921	0.714	313-314	0.726			584-585	0.717	1019-1020	0.736			1288-1289	0.721	1539-1540	0.72	2100-2181	2.554
1551-1552	0.72	1552-1553	0.719	883-970	2.535	1082-1083	0.712	233-234	0.725			934-935	0.717	2082-2083	0.726			1620-1621	0.721	707-708	0.718	956-1039	2.536
1465-1466	0.719	462-463	0.718	1804-1883	2.478	1496-1497	0.71	2068-2069	0.724			1096-1097	0.712	1510-1511	0.721			1534-1535	0.718	1621-1622	0.718	1871-1950	2.482
1469-1470	0.716	634-635	0.718	1884-1963	2.475	318-319	0.708	1496-1497	0.722			1510-1511	0.711	585-586	0.717			1538-1539	0.717	2029-2030	0.716	1951-2030	2.479
1387-1388	0.711	1962-1963	0.716	1805-1884	2.39	1578-1579	0.708	571-572	0.719			1592-1593	0.709	671-672	0.714			1456-1457	0.712	1949-1950	0.712	1872-1951	2.394
1471-1472	0.702	1882-1883	0.711	895-980	2.386	1162-1163	0.703	657-658	0.716			2237-2238	0.704	757-758	0.713			111-112	0.705	965-966	0.71	968-1049	2.385
541-542	0.701	892-893	0.71	2114-2195	2.261	2224-2225	0.703	915-916	0.716			1428-1429	0.704	1592-1593	0.713			614-615	0.704	1541-1542	0.708	2181-2262	2.246
1547-1548	0.7	720-721	0.707	1964-2043	2.2	233-234	0.703	743-744	0.714			1176-1177	0.703	929-930	0.711			1540-1541	0.703	535-536	0.707	2031-2110	2.204
893-894	0.694	1472-1473	0.707	797-884	2.192	1414-1415	0.703	1578-1579	0.714			676-677	0.7	591-592	0.71			1616-1617	0.698	793-794	0.707	870-957	2.194
377-378	0.69	376-377	0.7	1885-1964	2.185	662-663	0.698	576-577	0.708			848-849	0.698	1426-1427	0.708			966-967	0.694	879-880	0.7	1952-2031	2.19
1467-1468	0.688	806-807	0.7	809-894	2.169	834-835	0.695	1412-1413	0.708			241-242	0.697	843-844	0.706			1536-1537	0.688	1869-1870	0.698	451-536	2.176
1873-1874	0.685	1802-1803	0.698	378-463	2.162	748-749	0.688	829-830	0.707			762-763	0.69	1508-1509	0.698			1940-1941	0.687	2109-2110	0.698	882-967	2.169
455-456	0.683	1718-1719	0.698	293-378	2.145	1577-1578	0.685	1494-1495	0.698			1591-1592	0.684	327-328	0.696			1790-1791	0.684	1789-1790	0.698	366-451	2.134
1719-1720	0.683	2042-2043	0.697	379-464	2.131	141-142	0.683	142-143	0.683			1509-1510	0.679	91-92	0.686			183-184	0.678	1459-1460	0.695	1213-1296	2.129
117-118	0.678	378-379	0.696	1144-1225	2.129	1495-1496	0.68	1250-1251	0.681			2076-2077	0.679	1265-1266	0.681			1622-1623	0.678	957-958	0.694	452-537	2.122
1553-1554	0.677	884-885	0.695	464-549	2.078	2062-2063	0.675	1576-1577	0.681			155-156	0.676	1590-1591	0.681			365-366	0.676	451-452	0.686	537-622	2.089
463-464	0.675	1390-1391	0.694	712-799	2.049	227-228	0.672	76-77	0.68			332-333	0.675	85-86	0.675			528-529	0.673	1457-1458	0.686	365-450	2.063

塑性率 Kin-EW

Y14						Y16				Y17						Y18					
はり端		はり端		トラス		はり端		はりJ端		はり端		はりJ端		トラス		はり端		はりJ端		トラス	
196-197	0.827	118-119	1.27	1052-1135	4.001	475-476	0.864	476-477	1.186	484-485	0.877	485-486	0.981	1247-1331	1.024	498-499	0.875	242-243	1.174	1262-1345	1.013
1551-1552	0.822	46-47	1.022	970-1053	3.933	389-390	0.857	390-391	1.17	398-399	0.862	399-400	0.971	1333-1250	0.984	412-413	0.863	413-414	0.979	1347-1265	0.986
117-118	0.819	1052-1053	0.98	884-971	3.641	561-562	0.844	562-563	1.085	570-571	0.856	490-491	0.97	1743-1661	0.867	584-585	0.855	499-500	0.977	1758-1675	0.868
1135-1136	0.814	51-52	0.932	798-885	3.378	303-304	0.833	304-305	1.034	404-405	0.817	404-405	0.969	1248-1332	0.837	246-247	0.827	419-420	0.975	1263-1346	0.836
281-282	0.81	970-971	0.925	1062-1143	3.173	647-648	0.806	395-396	0.972	656-657	0.815	571-572	0.955	1332-1249	0.816	418-419	0.819	505-506	0.973	1346-1264	0.818
367-368	0.81	121-122	0.913	969-1052	3.101	218-219	0.804	481-482	0.967	490-491	0.812	318-319	0.936	1659-1742	0.808	670-671	0.814	585-586	0.954	1673-1757	0.806
541-542	0.806	368-369	0.91	1051-1134	3.066	481-482	0.786	219-220	0.966	312-313	0.81	576-577	0.927	1742-1660	0.694	241-242	0.813	591-592	0.93	1757-1674	0.696
627-628	0.806	197-198	0.907	980-1061	2.998	395-396	0.779	648-649	0.965	1578-1579	0.81	228-229	0.916	1660-1743	0.642	1592-1593	0.811	247-248	0.924	1674-1758	0.64
1053-1054	0.806	454-455	0.896	1804-1883	2.963	1071-1072	0.778	1072-1073	0.944	318-319	0.8	657-658	0.911	1249-1333	0.619	504-505	0.807	333-334	0.921	1264-1347	0.618
1389-1390	0.803	282-283	0.873	894-979	2.943	733-734	0.77	309-310	0.935	1496-1497	0.798	313-314	0.909	1744-1662	0.581	1510-1511	0.798	671-672	0.91	1759-1676	0.582
1469-1470	0.803	540-541	0.854	883-970	2.903	989-990	0.768	990-991	0.924	998-999	0.797	147-148	0.9	1331-1248	0.575	326-327	0.797	162-163	0.896	1345-1263	0.577
455-456	0.801	207-208	0.848	1805-1884	2.862	567-568	0.758	734-735	0.916	1080-1081	0.785	1081-1082	0.882	1658-1741	0.537	1012-1013	0.797	1095-1096	0.881	1672-1756	0.538
713-714	0.797	1882-1883	0.847	808-893	2.824	911-912	0.75	567-568	0.913	227-228	0.778	999-1000	0.88	1741-1659	0.53	1094-1095	0.785	1013-1014	0.88	1756-1673	0.533
45-46	0.796	1802-1803	0.832	1884-1963	2.764	995-996	0.746	224-225	0.905	742-743	0.776	233-234	0.877	1661-1744	0.465	332-333	0.78	677-678	0.874	1675-1759	0.464
1471-1472	0.787	1962-1963	0.823	368-455	2.687	309-310	0.742	820-821	0.885	576-577	0.774	662-663	0.872	1250-1334	0.153	756-757	0.775	327-328	0.869	1265-1348	0.152
453-454	0.784	884-885	0.823	797-884	2.669	825-826	0.74	906-907	0.875	1414-1415	0.769	743-744	0.858	1330-1247	0.124	590-591	0.772	757-758	0.857	1344-1262	0.12
799-800	0.782	626-627	0.82	281-368	2.645	819-820	0.739	138-139	0.869	147-148	0.745	829-830	0.831			1428-1429	0.77	843-844	0.83		
369-370	0.778	1142-1143	0.809	367-454	2.633	1077-1078	0.734	133-134	0.838	828-829	0.745	142-143	0.825			842-843	0.744	763-764	0.824		
971-972	0.776	1472-1473	0.793	454-541	2.617	132-133	0.731	653-654	0.837	233-234	0.742	748-749	0.821			1096-1097	0.738	1101-1102	0.802		
1387-1388	0.775	2042-2043	0.793	1794-1875	2.574	739-740	0.729	62-63	0.818	1082-1083	0.738	915-916	0.805			1261-1262	0.737	929-930	0.8		
1553-1554	0.775	1134-1135	0.787	282-369	2.571	653-654	0.728	67-68	0.813	1495-1496	0.733	1086-1087	0.8			1591-1592	0.734	91-92	0.789		
885-886	0.763	1384-1385	0.787	540-627	2.565	224-225	0.727	739-740	0.776	1577-1578	0.733	1004-1005	0.783			1509-1510	0.733	85-86	0.787		
120-121	0.759	798-799	0.779	117-197	2.48	905-906	0.723	1077-1078	0.775	1246-1247	0.732	76-77	0.781			676-677	0.728	1019-1020	0.785		
50-51	0.755	1550-1551	0.779	1874-1955	2.472	138-139	0.682	995-996	0.746	662-663	0.731	71-72	0.778			161-162	0.724	156-157	0.784		
1549-1550	0.751	712-713	0.773	1134-1217	2.464	61-62	0.675	825-826	0.719	1164-1165	0.724	834-835	0.774			1178-1179	0.724	849-850	0.777		
1383-1384	0.744	1468-1469	0.772	626-713	2.463	1073-1074	0.659	1154-1155	0.719	1415-1416	0.722	1495-1496	0.768			1429-1430	0.722	1509-1510	0.767		
1467-1468	0.743	2122-2123	0.77	453-540	2.457	1155-1156	0.639	911-912	0.688	1497-1498	0.716	1577-1578	0.768			1511-1512	0.717	1591-1592	0.767		
283-284	0.741	1060-1061	0.765	45-118	2.45	67-68	0.635	1898-1899	0.612	1004-1005	0.713	1413-1414	0.752			1018-1019	0.716	1427-1428	0.751		
539-540	0.727	1390-1391	0.761	196-282	2.442	477-478	0.626	1076-1077	0.611	141-142	0.707	1907-1908	0.749			1593-1594	0.708	1920-1921	0.749		
1875-1876	0.726	1466-1467	0.761	1793-1874	2.44	1893-1894	0.626	1159-1160	0.608	1579-1580	0.707	1827-1828	0.743			928-929	0.699	1840-1841	0.743		
1955-1956	0.723	2202-2203	0.759	1885-1964	2.43	991-992	0.622	1158-1159	0.603	914-915	0.698	920-921	0.737			1100-1101	0.698	935-936	0.738		
1795-1796	0.719	1386-1387	0.757	712-799	2.405	563-564	0.619	1818-1819	0.603	1086-1087	0.695	1987-1988	0.728			155-156	0.693	2000-2001	0.728		
1465-1466	0.718	292-293	0.756	197-283	2.327	1153-1154	0.618	2298-2299	0.598	1000-1001	0.686	1415-1416	0.709			848-849	0.687	1592-1593	0.71		
1217-1218	0.714	378-379	0.755	1063-1144	2.323	907-908	0.616	1978-1979	0.593	834-835	0.685	1578-1579	0.709			1014-1015	0.686	1429-1430	0.709		
2035-2036	0.707	196-197	0.74	539-626	2.312	391-392	0.609	1899-1900	0.577	748-749	0.683	1163-1164	0.709			934-935	0.686	1177-1178	0.709		
1385-1386	0.698	117-118	0.739	118-198	2.266	649-650	0.605	2058-2059	0.565	920-921	0.683	1496-1497	0.706			762-763	0.68	1510-1511	0.706		

塑性率 Kin-EW

Y19				Y20				Y21					
はり端		はりJ端		はりI端		はりJ端		はり端		はりJ端		トラス	
508-509	0.863	251-252	1.281	259-260	0.743	259-260	1.042	276-277	0.964	267-268	2.151	1121-1204	4.009
422-423	0.855	423-424	1.195	263-264	0.718	104-105	0.888	114-115	0.825	441-442	1.477	1039-1122	3.944
255-256	0.854	509-510	1.176	432-433	0.699	432-433	0.888	1620-1621	0.823	112-113	1.283	957-1040	3.656
594-595	0.844	595-596	1.086	518-519	0.685	518-519	0.857	1204-1205	0.813	1121-1122	0.982	871-958	3.397
250-251	0.842	429-430	0.977	1114-1115	0.685	604-605	0.798	183-184	0.811	1039-1040	0.929	1131-1212	3.174
336-337	0.823	515-516	0.97	108-109	0.666	346-347	0.788	614-615	0.811	115-116	0.928	1038-1121	3.1
680-681	0.805	337-338	0.966	346-347	0.663	263-264	0.773	266-267	0.805	194-195	0.912	1120-1203	3.068
428-429	0.787	681-682	0.964	1196-1197	0.661	1113-1114	0.733	1122-1123	0.805	613-614	0.886	1049-1130	3
514-515	0.785	256-257	0.944	604-605	0.649	1031-1032	0.73	354-355	0.804	527-528	0.858	1871-1950	2.968
1104-1105	0.778	1105-1106	0.944	519-520	0.647	437-438	0.721	700-701	0.804	1949-1950	0.847	967-1048	2.946
766-767	0.77	343-344	0.934	949-950	0.647	351-352	0.713	1458-1459	0.804	1869-1870	0.832	956-1039	2.901
1022-1023	0.768	1023-1024	0.924	1032-1033	0.647	690-691	0.71	1538-1539	0.804	699-700	0.828	1872-1951	2.866
600-601	0.761	601-602	0.916	605-606	0.645	108-109	0.707	786-787	0.797	957-958	0.828	881-966	2.827
944-945	0.753	767-768	0.915	1031-1032	0.645	180-181	0.704	440-441	0.792	277-278	0.827	1951-2030	2.769
1028-1029	0.75	853-854	0.885	433-434	0.635	523-524	0.693	1540-1541	0.788	2029-2030	0.823	441-528	2.736
858-859	0.743	939-940	0.875	691-692	0.634	776-777	0.656	872-873	0.782	1211-1212	0.809	870-957	2.666
852-853	0.738	172-173	0.869	777-778	0.631	175-176	0.647	528-529	0.781	1541-1542	0.794	527-614	2.656
1110-1111	0.738	687-688	0.84	863-864	0.629	1117-1118	0.636	1040-1041	0.776	2109-2110	0.793	355-442	2.63
772-773	0.732	95-96	0.828	437-438	0.619	609-610	0.631	1456-1457	0.776	354-355	0.789	354-441	2.609
686-687	0.73	101-102	0.819	1113-1114	0.617	1937-1938	0.629	1622-1623	0.776	1203-1204	0.789	440-527	2.605
342-343	0.726	166-167	0.792	104-105	0.612	1857-1858	0.628	526-527	0.775	871-872	0.786	613-700	2.594
938-939	0.723	773-774	0.779	690-691	0.594	862-863	0.627	958-959	0.763	1453-1454	0.786	1861-1942	2.563
165-166	0.718	1111-1112	0.777	351-352	0.591	1199-1200	0.626	111-112	0.752	785-786	0.783	699-786	2.485
94-95	0.677	1029-1030	0.748	523-524	0.587	2017-2018	0.61	1618-1619	0.752	1619-1620	0.778	1203-1288	2.469
171-172	0.666	859-860	0.722	1934-1935	0.586	2337-2338	0.605	450-451	0.748	1537-1538	0.771	1941-2022	2.459
1106-1107	0.659	1187-1188	0.719	1854-1855	0.585	948-949	0.602	1536-1537	0.744	2189-2190	0.77	1860-1941	2.447
1188-1189	0.639	945-946	0.691	175-176	0.582	174-175	0.601	1452-1453	0.743	183-184	0.767	183-267	2.439
100-101	0.637	1929-1930	0.612	2014-2015	0.578	1118-1119	0.601	1942-1943	0.726	1129-1130	0.765	526-613	2.437
510-511	0.624	1109-1110	0.611	180-181	0.577	103-104	0.593	2022-2023	0.723	1459-1460	0.762	1952-2031	2.434
1024-1025	0.622	1193-1194	0.61	2094-2095	0.564	952-953	0.59	1862-1863	0.719	2269-2270	0.76	267-356	2.424
596-597	0.62	1191-1192	0.604	347-348	0.562	1036-1037	0.588	612-613	0.718	365-366	0.76	785-872	2.423
1925-1926	0.62	1849-1850	0.604	776-777	0.555	2097-2098	0.586	1534-1535	0.717	1535-1536	0.759	111-184	2.395
1186-1187	0.618	2329-2330	0.599	1444-1445	0.548	1035-1036	0.582	1288-1289	0.714	1455-1456	0.756	266-355	2.39
940-941	0.616	2009-2010	0.592	2174-2175	0.546	866-867	0.574	2102-2103	0.707	451-452	0.742	1132-1213	2.324
424-425	0.615	1931-1932	0.577	2334-2335	0.546	2257-2258	0.573	1454-1455	0.699	793-794	0.738	612-699	2.298
682-683	0.605	2089-2090	0.564	2254-2255	0.545	780-781	0.572	1616-1617	0.689	1047-1048	0.737	184-268	2.277

塑性率 Shuto-EW

Y14						Y21					
はり端		はりJ端		トラス		はり端		はりJ端		トラス	
1135-1136	0.784	46-47	0.908	1052-1135	2.94	276-277	0.792	267-268	1.077	1121-1204	2.94
1053-1054	0.746	118-119	0.884	970-1053	2.609	1204-1205	0.783	112-113	0.981	1039-1122	2.61
45-46	0.716	51-52	0.85	884-971	2.419	1122-1123	0.745	115-116	0.852	957-1040	2.421
1551-1552	0.689	121-122	0.743	1062-1143	2.38	1620-1621	0.689	194-195	0.751	1131-1212	2.383
50-51	0.685	1802-1803	0.69	798-885	2.196	114-115	0.685	1869-1870	0.69	871-958	2.199
1469-1470	0.677	1962-1963	0.684	1051-1134	2.191	111-112	0.68	2029-2030	0.684	1120-1203	2.192
971-972	0.668	2042-2043	0.677	808-893	2.144	1538-1539	0.677	441-442	0.679	881-966	2.147
117-118	0.666	1882-1883	0.676	980-1061	2.108	183-184	0.668	2109-2110	0.678	1049-1130	2.11
283-284	0.659	2122-2123	0.665	894-979	2.097	1040-1041	0.667	1949-1950	0.677	967-1048	2.099
1471-1472	0.656	1472-1473	0.66	45-118	2.073	1540-1541	0.656	2189-2190	0.665	111-184	2.044
1217-1218	0.654	2202-2203	0.659	969-1052	1.99	1288-1289	0.655	1541-1542	0.661	1038-1121	1.99
1955-1956	0.65	197-198	0.658	1134-1217	1.966	2022-2023	0.65	2269-2270	0.66	1203-1288	1.965
1389-1390	0.649	720-721	0.641	1804-1883	1.957	1458-1459	0.65	183-184	0.658	1871-1950	1.962
1553-1554	0.649	1384-1385	0.638	117-197	1.877	1622-1623	0.65	793-794	0.641	183-267	1.869
1387-1388	0.647	634-635	0.636	1805-1884	1.832	1456-1457	0.648	1453-1454	0.637	112-185	1.863
120-121	0.644	120-121	0.636	46-119	1.812	786-787	0.642	707-708	0.636	1872-1951	1.836
713-714	0.643	806-807	0.63	1794-1875	1.759	1942-1943	0.642	879-880	0.631	1861-1942	1.75
1875-1876	0.642	548-549	0.624	883-970	1.746	2102-2103	0.642	621-622	0.629	956-1039	1.747
2035-2036	0.642	1142-1143	0.624	118-198	1.736	1862-1863	0.641	1211-1212	0.624	184-268	1.722
1795-1796	0.641	1390-1391	0.617	1063-1144	1.72	2182-2183	0.64	1459-1460	0.617	1132-1213	1.722
2115-2116	0.641	462-463	0.612	1874-1955	1.707	958-959	0.639	1623-1624	0.61	1941-2022	1.696
885-886	0.639	50-51	0.612	196-282	1.672	872-873	0.638	193-194	0.608	267-356	1.657
799-800	0.638	117-118	0.612	281-368	1.647	2262-2263	0.632	1121-1122	0.608	266-355	1.655
2195-2196	0.632	1554-1555	0.609	1793-1874	1.645	700-701	0.631	965-966	0.605	1860-1941	1.651
627-628	0.631	1052-1053	0.609	282-369	1.628	450-451	0.623	1455-1456	0.604	354-441	1.642
369-370	0.622	892-893	0.605	197-283	1.623	614-615	0.619	1537-1538	0.604	355-442	1.638
541-542	0.617	1386-1387	0.605	1144-1225	1.615	1618-1619	0.618	535-536	0.603	1213-1296	1.618
1549-1550	0.617	1468-1469	0.605	1954-2035	1.588	528-529	0.617	114-115	0.603	870-957	1.578
455-456	0.615	1550-1551	0.604	797-884	1.578	1536-1537	0.615	1619-1620	0.603	2021-2102	1.576
1467-1468	0.614	1470-1471	0.599	1884-1963	1.567	1452-1453	0.605	1539-1540	0.6	441-528	1.572
1383-1384	0.606	978-979	0.597	368-455	1.564	266-267	0.591	1047-1048	0.597	1951-2030	1.572
196-197	0.604	1060-1061	0.596	981-1062	1.523	1454-1455	0.567	1129-1130	0.597	1050-1131	1.524
1465-1466	0.567	207-208	0.594	464-549	1.507	1534-1535	0.566	277-278	0.593	537-622	1.514
1385-1386	0.566	1466-1467	0.59	722-807	1.506	1616-1617	0.563	1535-1536	0.589	451-536	1.512
1547-1548	0.562	376-377	0.589	367-454	1.505	193-194	0.55	1295-1296	0.584	795-880	1.509
281-282	0.54	290-291	0.587	378-463	1.503	354-355	0.544	1621-1622	0.579	440-527	1.501
291-292	0.534	1224-1225	0.583	550-635	1.486	1212-1213	0.529	276-277	0.576	623-708	1.49

塑性率 311 告-EW

Y14						Y15				Y16				Y17					
はり端		はりJ端		トラス		はり端		はりJ端		はり端		はりJ端		はり端		はりJ端		トラス	
1061-1062	0.999	1052-1053	1.162	970-1053	4.364	987-988	0.765	982-983	0.822	995-996	0.989	990-991	1.089	1004-1005	0.944	999-1000	0.997	1247-1331	1.255
979-980	0.973	970-971	1.117	1052-1135	4.32	1065-1066	0.754	1064-1065	0.797	1077-1078	0.984	1072-1073	1.066	1086-1087	0.931	1081-1082	0.978	1333-1250	1.082
120-121	0.889	884-885	0.954	884-971	4.15	1069-1070	0.748	467-468	0.757	481-482	0.949	906-907	1.011	998-999	0.896	915-916	0.92	1248-1332	0.926
1053-1054	0.888	118-119	0.892	980-1061	4.109	58-59	0.729	553-554	0.736	911-912	0.945	476-477	0.998	1080-1081	0.863	1004-1005	0.905	1332-1249	0.869
893-894	0.879	798-799	0.87	1062-1143	4.095	982-983	0.723	381-382	0.733	567-568	0.935	562-563	0.994	920-921	0.858	571-572	0.9	1659-1742	0.851
971-972	0.865	46-47	0.845	894-979	3.88	983-984	0.716	54-55	0.731	395-396	0.913	648-649	0.962	576-577	0.846	657-658	0.896	1743-1661	0.813
1135-1136	0.863	1060-1061	0.842	798-885	3.835	898-899	0.715	1068-1069	0.722	653-654	0.901	820-821	0.959	662-663	0.84	1086-1087	0.89	1249-1333	0.692
50-51	0.85	1384-1385	0.842	808-893	3.561	1147-1148	0.706	897-898	0.707	825-826	0.9	390-391	0.948	490-491	0.837	829-830	0.888	1660-1743	0.692
885-886	0.845	1802-1803	0.836	969-1052	3.409	472-473	0.702	639-640	0.69	739-740	0.89	734-735	0.946	484-485	0.835	485-486	0.881	1742-1660	0.662
713-714	0.836	1550-1551	0.836	883-970	3.304	812-813	0.7	987-988	0.688	989-990	0.85	481-482	0.869	834-835	0.831	743-744	0.875	1331-1248	0.659
799-800	0.835	1134-1135	0.83	1051-1134	3.255	386-387	0.692	295-296	0.686	1071-1072	0.841	304-305	0.864	570-571	0.824	490-491	0.874	1658-1741	0.565
627-628	0.831	1468-1469	0.828	981-1062	3.232	726-727	0.679	986-987	0.681	309-310	0.84	1077-1078	0.864	748-749	0.823	576-577	0.871	1744-1662	0.542
541-542	0.813	1142-1143	0.826	1063-1144	3.108	558-559	0.673	901-902	0.679	475-476	0.829	995-996	0.863	398-399	0.81	662-663	0.853	1661-1744	0.51
45-46	0.802	978-979	0.824	895-980	3.103	1064-1065	0.671	815-816	0.676	561-562	0.823	567-568	0.861	404-405	0.806	404-405	0.837	1741-1659	0.488
1389-1390	0.799	1882-1883	0.82	797-884	3.083	640-641	0.669	1150-1151	0.674	905-906	0.822	395-396	0.834	656-657	0.804	399-400	0.836	1330-1247	0.216
807-808	0.798	1466-1467	0.817	809-894	2.867	554-555	0.658	725-726	0.668	647-648	0.808	653-654	0.832	1082-1083	0.794	748-749	0.831	1250-1334	0.203
1383-1384	0.792	1962-1963	0.815	712-799	2.593	300-301	0.651	811-812	0.668	389-390	0.808	911-912	0.819	1164-1165	0.788	920-921	0.828		
455-456	0.789	626-627	0.81	1134-1217	2.57	902-903	0.646	1069-1070	0.661	819-820	0.8	219-220	0.807	742-743	0.787	1577-1578	0.821		
1143-1144	0.787	892-893	0.807	626-713	2.542	468-469	0.64	210-211	0.653	733-734	0.799	739-740	0.805	828-829	0.786	834-835	0.82		
1551-1552	0.784	712-713	0.807	1794-1875	2.531	215-216	0.638	729-730	0.65	224-225	0.797	825-826	0.79	914-915	0.783	1495-1496	0.819		
1469-1470	0.772	1386-1387	0.807	540-627	2.519	644-645	0.626	643-644	0.638	303-304	0.761	309-310	0.774	1246-1247	0.771	1413-1414	0.797		
1795-1796	0.771	2042-2043	0.804	1804-1883	2.441	467-468	0.615	557-558	0.63	218-219	0.738	1154-1155	0.766	312-313	0.771	318-319	0.785		
1465-1466	0.767	720-721	0.803	454-541	2.431	730-731	0.611	2290-2291	0.617	1159-1160	0.733	224-225	0.74	1578-1579	0.77	1496-1497	0.768		
1955-1956	0.766	806-807	0.799	1793-1874	2.424	553-554	0.604	471-472	0.616	1073-1074	0.723	138-139	0.716	1496-1497	0.764	1085-1086	0.758		
1387-1388	0.764	634-635	0.798	1144-1225	2.421	54-55	0.604	58-59	0.588	132-133	0.722	62-63	0.693	1000-1001	0.761	228-229	0.758		
2035-2036	0.761	1548-1549	0.794	722-807	2.413	816-817	0.603	472-473	0.587	61-62	0.697	133-134	0.693	1414-1415	0.759	1578-1579	0.758		
369-370	0.756	540-541	0.789	367-454	2.39	382-383	0.602	1810-1811	0.585	67-68	0.697	1076-1077	0.692	141-142	0.751	1250-1251	0.757		
1875-1876	0.755	2122-2123	0.788	368-455	2.366	381-382	0.596	385-386	0.583	138-139	0.692	67-68	0.686	233-234	0.749	1412-1413	0.754		
1217-1218	0.753	2202-2203	0.785	636-721	2.361	1807-1808	0.594	386-387	0.582	991-992	0.689	994-995	0.653	916-917	0.738	1167-1168	0.753		
1471-1472	0.752	548-549	0.782	1805-1884	2.349	1887-1888	0.585	1890-1891	0.58	907-908	0.679	1158-1159	0.649	318-319	0.732	313-314	0.752		
2115-2116	0.75	1470-1471	0.775	453-540	2.342	1395-1396	0.584	215-216	0.578	1155-1156	0.679	910-911	0.645	1162-1163	0.722	1163-1164	0.749		
2195-2196	0.749	454-455	0.773	550-635	2.334	2287-2288	0.584	124-125	0.573	1153-1154	0.656	1159-1160	0.64	1577-1578	0.721	147-148	0.748		
1547-1548	0.741	1552-1553	0.773	539-626	2.332	210-211	0.583	558-559	0.569	821-822	0.65	824-825	0.619	1168-1169	0.721	1168-1169	0.743		
721-722	0.737	51-52	0.768	281-368	2.326	1317-1318	0.582	1970-1971	0.569	735-736	0.644	738-739	0.616	227-228	0.716	1494-1495	0.739		
635-636	0.734	462-463	0.762	464-549	2.276	639-640	0.577	1312-1313	0.569	649-650	0.636	2298-2299	0.611	1415-1416	0.716	1003-1004	0.728		
1553-1554	0.734	1472-1473	0.756	379-464	2.274	124-125	0.572	300-301	0.567	563-564	0.629	652-653	0.608	1495-1496	0.715	233-234	0.721		
1467-1468	0.726	1390-1391	0.754	1874-1955	2.269	295-296	0.57	896-897	0.565	477-478	0.614	566-567	0.602	830-831	0.707	1414-1415	0.72		

塑性率 1M-NS

X2						X4						X8						X10					
はり端		はり端		トラス		はり端		はり端		トラス		はり端		はり端		トラス		はり端		はり端		トラス	
1022-1031	9.715	1022-1031	6.973	1080-1153	3.771	1147-1155	10.408	1147-1155	7.625	1106-1178	4.585	1151-1159	10.572	1151-1159	7.753	1110-1182	4.658	1030-1037	9.935	1030-1037	7.15	1087-1160	3.84
982-989	9.518	938-948	6.917	998-1071	3.58	1065-1073	10.325	1065-1073	7.568	1188-1261	4.461	1069-1077	10.494	1069-1077	7.698	1192-1266	4.518	1112-1119	9.862	946-954	7.102	1005-1078	3.651
1104-1113	9.494	852-862	6.85	1162-1235	3.576	1229-1237	10.314	1229-1237	7.532	1024-1096	4.23	1233-1241	10.448	1233-1241	7.637	1028-1100	4.304	988-996	9.749	1112-1119	7.065	749-826	3.626
1064-1071	9.341	1104-1113	6.776	742-819	3.547	983-991	10.208	983-991	7.488	356-433	4.032	987-995	10.379	987-995	7.62	944-1018	4.074	1070-1078	9.729	860-868	7.039	1169-1242	3.622
938-948	9.235	766-776	6.699	914-989	3.476	1272-1280	10.004	1188-1196	7.466	940-1014	4	1276-1284	10.037	1192-1200	7.517	364-437	4.071	946-954	9.459	774-782	6.89	921-996	3.551
852-862	9.22	982-989	6.609	656-733	3.42	1188-1196	9.968	1272-1280	7.449	768-844	3.955	1192-1200	10.026	1276-1284	7.476	772-848	4.027	903-912	9.452	988-996	6.799	319-396	3.518
897-905	9.22	1064-1071	6.487	312-389	3.414	1106-1114	9.835	1106-1114	7.34	442-519	3.851	1110-1118	9.9	1110-1118	7.397	450-523	3.878	860-868	9.451	1070-1078	6.793	663-740	3.502
811-819	9.164	1186-1195	6.404	570-647	3.372	898-907	9.727	898-907	7.259	268-347	3.78	902-911	9.897	902-911	7.392	686-762	3.839	817-826	9.395	1194-1201	6.661	405-482	3.458
766-776	9.007	897-905	6.304	398-475	3.359	1024-1032	9.683	1024-1032	7.217	682-758	3.767	1028-1036	9.753	1028-1036	7.278	858-934	3.832	1152-1160	9.34	903-912	6.494	577-654	3.456
1146-1153	8.973	680-690	6.248	828-905	3.338	812-821	9.568	812-821	7.131	854-930	3.761	816-825	9.737	816-825	7.262	276-351	3.822	1194-1201	9.272	817-826	6.435	835-912	3.412
1186-1195	8.946	811-819	6.246	484-561	3.273	726-735	9.341	726-735	6.942	596-672	3.637	730-739	9.508	730-739	7.071	600-676	3.707	774-782	9.24	688-696	6.434	491-568	3.36
725-733	8.903	1146-1153	6.14	227-303	3.173	1313-1321	9.211	940-949	6.939	786-863	3.598	1317-1325	9.326	944-953	7.002	193-263	3.628	731-740	9.128	1152-1160	6.427	234-310	3.271
1228-1235	8.564	725-733	6.062	141-218	2.909	940-949	9.165	854-863	6.767	528-605	3.597	944-953	9.237	858-867	6.833	536-609	3.609	1234-1242	8.891	731-740	6.247	148-225	3
1270-1279	8.465	1270-1279	5.918	1244-1319	2.565	854-863	8.972	1354-1362	6.648	185-260	3.58	858-867	9.045	1317-1325	6.718	794-867	3.6	1278-1285	8.733	1234-1242	6.146	1252-1326	2.557
680-690	8.446	1228-1235	5.891	295-367	2.309	1354-1362	8.904	1313-1321	6.628	614-691	3.574	1358-1366	8.911	1358-1366	6.66	622-695	3.58	688-696	8.673	1278-1285	6.124	301-379	2.487
639-647	8.328	594-604	5.811	210-281	2.305	768-777	8.7	768-777	6.543	700-777	3.554	772-781	8.779	772-781	6.612	708-781	3.558	645-654	8.543	602-610	5.99	216-293	2.466
594-604	7.91	639-647	5.622	381-453	2.158	640-649	8.526	640-649	6.385	1122-1196	3.54	644-653	8.683	644-653	6.508	1130-1200	3.545	602-610	8.128	645-654	5.798	387-465	2.335
553-561	7.795	508-518	5.344	1064-1133	2.147	554-563	8.113	554-563	6.048	510-586	3.457	558-567	8.264	558-567	6.166	428-504	3.529	559-568	7.999	516-524	5.515	1070-1145	2.264
1312-1319	7.463	553-561	5.219	725-797	2.101	682-691	7.908	682-691	5.945	424-500	3.452	686-695	7.982	686-695	6.013	514-590	3.528	1318-1326	7.751	559-568	5.386	731-809	2.258
508-518	7.296	1312-1319	5.097	124-196	2.044	1395-1403	7.832	596-605	5.611	1272-1344	3.42	1399-1407	7.958	472-481	5.718	342-418	3.444	1400-1408	7.554	1318-1326	5.319	130-208	2.187
1394-1401	7.214	1352-1361	4.852	1146-1215	2.036	1436-1444	7.713	468-477	5.604	338-414	3.366	1440-1448	7.732	600-609	5.679	1276-1348	3.433	516-524	7.505	1360-1367	5.01	473-551	2.173
1352-1361	7.206	467-475	4.772	467-539	2.007	468-477	7.539	1436-1444	5.566	1040-1114	3.307	472-481	7.683	1440-1448	5.586	1048-1118	3.309	1360-1367	7.416	473-482	4.93	645-723	2.129
467-475	7.188	422-432	4.73	982-1051	1.975	596-605	7.519	1395-1403	5.416	958-1032	3.246	600-609	7.595	1399-1407	5.515	966-1036	3.247	473-482	7.382	1400-1408	4.909	1152-1227	2.113
1434-1443	6.759	1394-1401	4.661	639-711	1.967	510-519	7.001	510-519	5.163	872-949	3.179	1745-1750	7.414	1750-1760	5.341	255-332	3.186	1482-1490	7.014	430-438	4.885	559-637	2.11
1476-1483	6.707	1171-1176	4.425	553-625	1.944	1518-1526	6.965	382-391	5.006	1204-1280	3.14	514-523	7.077	514-523	5.232	880-953	3.177	1442-1449	7.006	1482-1490	4.53	988-1063	2.11
422-432	6.486	1476-1483	4.305	897-969	1.848	1477-1485	6.964	1518-1526	4.992	252-328	3.112	1481-1489	7.075	386-395	5.114	1212-1284	3.134	430-438	6.678	1174-1184	4.504	903-981	1.996
381-389	6.412	1434-1443	4.272	811-883	1.75	382-391	6.813	1477-1485	4.731	1354-1426	2.873	1522-1530	6.967	1522-1530	5.004	1358-1430	2.91	387-396	6.591	1442-1449	4.448	817-895	1.903
1558-1565	6.29	1254-1259	4.235	1328-1401	1.725	1600-1608	6.453	1600-1608	4.606	1600-1672	2.841	386-395	6.952	1481-1489	4.817	1604-1676	2.898	1564-1572	6.565	387-396	4.309	1335-1408	1.738
1516-1525	6.175	1089-1094	4.191	1574-1647	1.656	1559-1567	6.335	424-433	4.592	167-243	2.797	1604-1612	6.461	428-437	4.66	171-246	2.861	1524-1531	6.384	1257-1268	4.3	1581-1654	1.663
1640-1647	5.867	1007-1012	4.183	1656-1729	1.63	424-433	6.298	1255-1261	4.459	1436-1508	2.75	1563-1571	6.44	1604-1612	4.613	1440-1512	2.797	1646-1654	6.099	1092-1102	4.273	77-139	1.641
1598-1607	5.69	381-389	4.163	70-132	1.594	1682-1690	6.116	1172-1178	4.404	1518-1590	2.65	428-437	6.379	1256-1266	4.48	1522-1594	2.7	1606-1613	5.861	1010-1020	4.268	1663-1736	1.609
336-346	5.687	923-928	4.085	1410-1483	1.568	1641-1649	5.909	1090-1096	4.312	1682-1755	2.481	1686-1694	6.073	1173-1182	4.436	1686-1760	2.503	344-352	5.859	1564-1572	4.193	1417-1490	1.587
295-303	5.619	336-346	4.045	1492-1565	1.453	296-305	5.873	1682-1690	4.311	1288-1362	2.238	300-309	5.996	300-309	4.353	1296-1366	2.207	301-310	5.785	344-352	4.181	1499-1572	1.465
1162-1171	5.442	1558-1565	3.993	1228-1299	1.441	1246-1255	5.539	296-305	4.257	113-176	2.051	1645-1653	5.996	1091-1100	4.346	114-180	2.082	1169-1174	5.508	926-936	4.17	1234-1311	1.446
1680-1689	5.332	1337-1342	3.969	18-61	1.113	1164-1172	5.456	1559-1567	4.247	1766-1837	1.875	1251-1256	5.564	1563-1571	4.333	1770-1841	1.91	1688-1695	5.458	1340-1350	4.014	21-68	1.14
1244-1254	5.229	837-842	3.829	1738-1813	1.103	338-347	5.434	1008-1014	4.169	1698-1774	1.538	342-351	5.505	1686-1694	4.305	100-161	1.545	1252-1257	5.278	1524-1531	3.975	59-122	1.098
1080-1089	5.177	1516-1525	3.827	1640-1709	1.063	1082-1090	5.352	1338-1344	4.094	96-157	1.513	1168-1173	5.495	1009-1018	4.206	1850-1921	1.545	1087-1092	5.247	840-850	3.909	1746-1820	1.07

塑性率 Ai-NS

X2						X4						X8						X10					
はり端		はり端	トラス			はり端	はり端	トラス			はり端	はり端	トラス			はり端	はり端	トラス					
1022-1031	8.987	1022-1031	6.367	1080-1153	3.544	1229-1237	10.093	1229-1237	7.356	1106-1178	4.178	1233-1241	10.198	1233-1241	7.438	1110-1182	4.231	1070-1078	9.154	1030-1037	6.481	1087-1160	3.594
982-989	8.94	938-948	6.263	1162-1235	3.403	1147-1155	10.041	1147-1155	7.333	1188-1261	4.149	1151-1159	10.167	1151-1159	7.431	1192-1266	4.192	1112-1119	9.142	1112-1119	6.461	1169-1242	3.437
1104-1113	8.864	1104-1113	6.244	998-1071	3.316	1065-1073	9.826	1272-1280	7.296	1024-1096	3.779	1069-1077	9.956	1276-1284	7.31	1028-1100	3.831	1030-1037	9.125	946-954	6.384	1005-1078	3.368
1064-1071	8.848	852-862	6.164	742-819	3.257	1272-1280	9.799	1188-1196	7.2	356-433	3.727	1276-1284	9.813	1069-1077	7.272	364-437	3.753	988-996	9.099	1070-1078	6.337	749-826	3.316
1146-1153	8.619	982-989	6.154	914-989	3.203	1188-1196	9.635	1065-1073	7.172	442-519	3.549	987-995	9.755	1192-1200	7.231	944-1018	3.587	1152-1160	8.908	860-868	6.289	921-996	3.257
897-905	8.589	1064-1071	6.097	656-733	3.13	983-991	9.623	983-991	7.025	940-1014	3.535	1192-1200	9.67	987-995	7.126	450-523	3.568	903-912	8.749	988-996	6.285	319-396	3.199
811-819	8.492	766-776	6.001	312-389	3.129	1106-1114	9.364	1106-1114	6.969	268-347	3.508	1110-1118	9.405	1110-1118	7.005	276-351	3.54	1194-1201	8.727	1194-1201	6.187	663-740	3.193
1186-1195	8.481	1186-1195	5.995	570-647	3.089	1313-1321	9.204	1024-1032	6.779	768-844	3.481	1317-1325	9.295	902-911	6.849	772-848	3.532	817-826	8.653	774-782	6.13	577-654	3.155
938-948	8.462	1146-1153	5.856	398-475	3.085	1024-1032	9.129	898-907	6.746	185-260	3.379	902-911	9.221	1028-1036	6.818	193-263	3.415	1234-1242	8.614	1152-1160	6.081	405-482	3.154
852-862	8.403	897-905	5.812	828-905	3.06	898-907	9.09	1354-1362	6.661	682-758	3.306	1028-1036	9.172	1317-1325	6.69	686-762	3.358	946-954	8.607	903-912	5.944	835-912	3.115
1228-1235	8.354	811-819	5.725	484-561	2.998	1354-1362	8.931	1313-1321	6.619	854-930	3.294	1745-1750	9.077	816-825	6.687	858-934	3.343	860-868	8.555	1234-1242	5.917	491-568	3.065
725-733	8.218	1228-1235	5.715	227-303	2.906	812-821	8.89	812-821	6.586	528-605	3.287	816-825	9.02	1750-1760	6.676	536-609	3.299	731-740	8.378	817-826	5.857	234-310	2.977
766-776	8.174	1270-1279	5.653	141-218	2.712	726-735	8.639	940-949	6.45	1122-1196	3.277	1358-1366	8.929	1358-1366	6.663	1276-1348	3.285	1278-1285	8.375	1278-1285	5.808	148-225	2.778
1270-1279	8.172	680-690	5.562	1244-1319	2.49	940-949	8.568	726-735	6.377	1272-1344	3.27	730-739	8.768	944-953	6.491	1130-1200	3.282	774-782	8.33	688-696	5.692	1252-1326	2.488
639-647	7.658	725-733	5.529	210-281	1.969	854-863	8.329	854-863	6.242	786-863	3.258	944-953	8.613	730-739	6.477	794-867	3.262	645-654	7.813	731-740	5.66	216-293	2.075
680-690	7.63	594-604	5.157	295-367	1.928	1395-1403	8.098	768-777	5.996	614-691	3.248	858-867	8.377	858-867	6.286	622-695	3.256	688-696	7.785	602-610	5.284	301-379	2.043
1312-1319	7.456	639-647	5.101	1656-1729	1.896	768-777	8.03	640-649	5.83	700-777	3.218	1399-1407	8.194	772-781	6.043	600-676	3.247	1400-1408	7.683	1318-1326	5.262	387-465	1.894
1394-1401	7.404	1312-1319	5.087	1574-1647	1.858	1436-1444	7.987	1436-1444	5.773	596-672	3.195	772-781	8.081	644-653	5.925	708-781	3.224	1318-1326	7.682	645-654	5.228	130-208	1.882
1352-1361	7.172	1352-1361	4.802	124-196	1.789	640-649	7.841	1395-1403	5.615	424-500	3.059	1440-1448	7.99	1440-1448	5.78	428-504	3.111	1482-1490	7.333	1400-1408	4.999	1663-1736	1.877
553-561	7.15	1394-1401	4.796	381-453	1.776	554-563	7.441	554-563	5.505	510-586	3.045	644-653	7.963	1399-1407	5.691	514-590	3.097	1360-1367	7.329	1360-1367	4.918	1581-1654	1.861
594-604	7.126	508-518	4.738	1064-1133	1.771	1477-1485	7.415	682-691	5.404	1600-1672	3.032	558-567	7.559	558-567	5.596	1604-1676	3.094	559-568	7.299	516-524	4.859	1070-1145	1.855
1476-1483	7.08	553-561	4.72	1328-1401	1.751	1518-1526	7.399	1518-1526	5.327	1040-1114	2.999	1481-1489	7.499	686-695	5.451	342-418	3.033	602-610	7.278	559-568	4.841	731-809	1.788
1434-1443	6.944	1171-1176	4.592	1146-1215	1.716	682-691	7.251	1600-1608	5.098	338-414	2.981	1522-1530	7.387	1522-1530	5.327	1048-1118	3.002	1442-1449	7.141	1482-1490	4.757	1152-1227	1.772
1558-1565	6.866	1476-1483	4.572	725-797	1.676	1600-1608	7.086	468-477	5.087	1204-1280	2.957	686-695	7.302	472-481	5.175	1212-1284	2.954	1564-1572	7.095	1174-1184	4.651	1335-1408	1.761
1640-1647	6.663	1254-1259	4.484	1410-1483	1.64	1559-1567	7.003	596-605	5.081	958-1032	2.923	1563-1571	7.083	1481-1489	5.135	966-1036	2.924	1646-1654	6.861	1564-1572	4.568	473-551	1.733
467-475	6.586	1558-1565	4.401	467-539	1.615	1682-1690	6.978	1477-1485	5.07	872-949	2.85	1604-1612	7.08	600-609	5.129	1358-1430	2.878	1524-1531	6.733	1442-1449	4.533	988-1063	1.665
508-518	6.568	1434-1443	4.393	982-1051	1.568	468-477	6.901	1682-1690	4.988	1354-1426	2.843	472-481	7.011	1604-1612	5.095	880-953	2.85	473-482	6.726	1257-1268	4.532	645-723	1.657
1516-1525	6.566	1337-1342	4.323	1492-1565	1.565	596-605	6.871	1559-1567	4.747	1436-1508	2.78	1686-1694	6.925	1686-1694	4.975	1440-1512	2.824	516-524	6.714	1646-1654	4.428	1417-1490	1.652
1598-1607	6.297	467-475	4.306	70-132	1.54	1641-1649	6.834	1255-1261	4.69	252-328	2.769	600-609	6.924	1563-1571	4.813	255-332	2.822	1606-1613	6.437	473-482	4.42	559-637	1.648
1680-1689	6.189	1089-1094	4.294	639-711	1.54	510-519	6.383	510-519	4.659	1682-1755	2.742	1645-1653	6.901	514-523	4.706	1522-1594	2.785	1688-1695	6.299	1092-1102	4.355	77-139	1.573
381-389	5.859	1640-1647	4.283	553-625	1.528	382-391	6.214	1641-1649	4.605	1518-1590	2.734	514-523	6.435	1256-1266	4.702	1686-1760	2.773	387-396	5.987	1340-1350	4.353	1499-1572	1.571
422-432	5.828	1007-1012	4.24	897-969	1.425	1766-1774	6.171	1172-1178	4.571	167-243	2.534	386-395	6.315	1645-1653	4.645	171-246	2.58	430-438	5.961	1010-1020	4.304	903-981	1.531
1722-1729	5.775	1665-1670	4.213	1738-1813	1.337	1723-1731	5.884	382-391	4.52	1288-1362	2.185	1770-1778	6.18	386-395	4.599	1770-1841	2.194	1728-1736	5.906	430-438	4.292	817-895	1.434
1162-1171	5.636	1583-1588	4.208	811-883	1.326	1246-1255	5.821	1338-1344	4.426	1766-1837	2.148	1727-1735	5.934	1173-1182	4.59	1296-1366	2.165	1169-1174	5.679	1586-1596	4.245	1746-1820	1.297
1244-1254	5.517	1501-1506	4.192	1228-1299	1.245	1846-1854	5.79	1090-1096	4.41	113-176	1.999	1251-1256	5.835	1091-1100	4.432	114-180	2.021	1252-1257	5.548	1668-1678	4.244	1234-1311	1.252
1656-1665	5.367	422-432	4.18	1640-1709	1.202	424-433	5.716	1766-1774	4.329	1698-1774	1.817	428-437	5.766	1339-1348	4.431	1850-1921	1.824	1663-1668	5.375	1504-1514	4.233	1646-1721	1.182
1574-1583	5.356	1419-1424	4.152	1822-1893	1.133	1164-1172	5.664	1008-1014	4.226	1846-1917	1.766	1850-1858	5.717	1770-1778	4.304	1706-1778	1.8	1581-1586	5.37	1524-1531	4.219	21-68	1.121

塑性率 Elcentro-NS

X2						X4						X8						X10					
はり端		はり端		トラス		はり端		はり端		トラス		はり端		はり端		トラス		はり端		はり端		トラス	
1722-1729	1.956	1764-1773	3.194	1670-1764	2.481	1846-1854	2.487	1846-1854	3.66	1649-1740	3.266	1745-1750	2.785	1750-1760	4.139	1653-1745	3.326	1728-1736	2.067	1772-1779	3.26	1678-1772	2.49
1806-1813	1.861	1722-1729	3.174	1753-1845	2.061	1807-1815	2.458	1766-1774	3.592	1731-1824	2.822	1850-1858	2.442	1850-1858	3.741	1735-1828	2.917	1812-1820	1.987	1728-1736	3.169	1762-1852	2.075
1764-1773	1.825	1806-1813	3.007	1836-1925	1.892	1723-1731	2.314	1807-1815	3.454	1567-1658	2.671	1811-1819	2.428	1770-1778	3.662	1571-1662	2.756	473-482	1.851	1852-1859	3.068	1843-1932	1.912
1738-1748	1.818	1845-1853	2.999	141-218	1.849	1766-1774	2.313	1723-1731	3.379	1629-1723	2.617	1770-1778	2.348	1727-1735	3.405	1819-1908	2.646	1772-1779	1.851	1812-1820	3.009	148-225	1.839
295-303	1.79	1886-1893	2.817	227-303	1.769	1926-1934	2.281	1926-1934	3.276	1815-1904	2.568	1727-1735	2.289	1811-1819	3.396	1637-1727	2.626	1746-1751	1.846	1688-1695	2.837	234-310	1.759
467-475	1.783	1680-1689	2.772	1689-1780	1.761	1887-1895	2.152	1887-1895	3.153	1682-1755	2.356	1930-1938	2.28	1930-1938	3.364	1686-1760	2.379	731-740	1.838	1892-1900	2.809	1695-1792	1.758
381-389	1.764	1925-1933	2.751	312-389	1.757	2006-2014	2.111	1682-1690	3.125	1895-1984	2.231	1891-1899	2.114	1686-1694	3.184	1899-1988	2.288	301-310	1.836	1932-1939	2.802	1596-1688	1.748
1822-1831	1.739	1640-1647	2.734	1588-1680	1.74	1682-1690	2.063	1641-1649	2.974	119-211	2.181	2010-2018	2.094	1891-1899	3.137	1489-1580	2.2	387-396	1.821	1646-1654	2.716	319-396	1.744
725-733	1.732	1966-1973	2.485	1656-1729	1.738	1641-1649	1.963	1967-1975	2.877	1485-1576	2.128	1686-1694	2.025	2010-2018	2.938	120-215	2.186	1892-1900	1.805	1751-1762	2.504	1663-1736	1.727
2062-2071	1.725	1748-1753	2.48	155-250	1.722	2086-2094	1.895	2006-2014	2.843	185-260	2.11	1645-1653	1.933	1645-1653	2.929	193-263	2.112	1829-1834	1.779	1972-1980	2.455	163-257	1.717
1845-1853	1.723	1831-1836	2.41	124-196	1.652	1967-1975	1.863	2047-2055	2.546	198-296	2.105	2090-2098	1.884	1971-1979	2.851	206-300	2.11	1646-1654	1.77	2012-2019	2.429	1923-2012	1.664
1902-1911	1.697	2005-2013	2.396	175-266	1.643	1824-1832	1.745	1912-1917	2.437	283-382	2.061	1971-1979	1.82	2051-2059	2.532	291-386	2.066	1852-1859	1.762	1834-1843	2.42	130-208	1.662
1886-1893	1.681	2071-2076	2.385	1916-2005	1.643	1904-1912	1.735	1832-1837	2.434	768-844	2.002	1828-1833	1.754	2090-2098	2.489	1770-1841	2.037	817-826	1.758	2074-2083	2.389	181-278	1.647
1640-1647	1.671	1911-1916	2.368	326-422	1.635	1984-1992	1.693	2086-2094	2.391	1766-1837	1.997	1908-1913	1.676	1833-1841	2.439	1407-1498	2.006	1909-1914	1.734	1914-1923	2.377	334-430	1.63
210-218	1.651	1991-1996	2.278	241-336	1.622	2064-2072	1.692	1992-1997	2.381	268-347	1.995	1988-1993	1.658	1913-1921	2.382	772-848	2.005	559-568	1.722	1994-2003	2.286	248-344	1.616
553-561	1.645	1665-1670	2.249	398-475	1.602	1740-1749	1.67	1749-1755	2.369	1403-1494	1.951	2068-2073	1.656	1993-2001	2.345	276-351	1.997	645-654	1.713	1668-1678	2.258	216-293	1.592
811-819	1.643	2046-2053	2.14	210-281	1.581	768-777	1.647	2072-2077	2.344	356-433	1.938	772-781	1.623	2073-2081	2.306	1604-1676	1.969	2069-2074	1.694	2092-2099	2.136	405-482	1.59
639-647	1.616	2151-2156	2.131	742-819	1.558	2047-2055	1.597	2152-2157	2.137	1600-1672	1.933	428-437	1.57	1604-1612	2.174	364-437	1.94	216-225	1.685	2154-2163	2.136	749-826	1.575
1982-1991	1.604	2085-2093	2.11	295-367	1.518	424-433	1.584	1600-1608	2.12	1698-1774	1.894	858-867	1.554	2153-2161	2.107	1850-1921	1.91	1989-1994	1.64	2052-2060	2.108	301-379	1.531
336-346	1.601	2231-2236	1.939	259-354	1.514	854-863	1.58	1559-1567	2.089	1846-1917	1.875	2051-2059	1.553	1563-1571	2.085	1706-1778	1.89	1663-1668	1.628	2234-2243	1.943	264-366	1.518
1656-1665	1.589	1598-1607	1.874	412-508	1.498	510-519	1.564	2127-2135	2.031	854-930	1.852	514-523	1.549	1667-1676	2.02	1979-2068	1.875	1932-1939	1.624	1606-1613	1.928	420-516	1.493
1925-1933	1.589	1583-1588	1.868	656-733	1.459	382-391	1.56	1666-1672	2.029	682-758	1.851	386-395	1.52	2131-2139	2.016	686-762	1.855	344-352	1.589	1586-1596	1.876	663-740	1.471
422-432	1.515	2311-2316	1.687	484-561	1.417	296-305	1.543	2232-2237	1.987	1975-2064	1.84	300-309	1.509	2233-2241	1.957	858-934	1.853	1972-1980	1.571	2314-2323	1.685	835-912	1.422
2142-2151	1.49	1501-1506	1.619	570-647	1.409	726-735	1.532	2381-2386	1.781	940-1014	1.827	2148-2153	1.506	2170-2178	1.848	1325-1416	1.847	430-438	1.5	1504-1514	1.625	577-654	1.415
250-259	1.485	1558-1565	1.599	828-905	1.4	2144-2152	1.517	1229-1237	1.755	1106-1178	1.817	342-351	1.498	2382-2387	1.774	1159-1251	1.844	903-912	1.49	2383-2388	1.597	491-568	1.406
508-518	1.467	508-518	1.518	346-440	1.393	338-347	1.51	1584-1590	1.744	1155-1246	1.804	2170-2178	1.47	1233-1241	1.762	944-1018	1.828	257-264	1.48	516-524	1.535	352-452	1.396
1966-1973	1.45	2380-2385	1.501	498-594	1.366	1024-1032	1.489	2166-2174	1.731	369-468	1.8	730-739	1.468	1585-1594	1.699	1110-1182	1.819	1688-1695	1.459	1564-1572	1.525	506-602	1.362
1680-1689	1.438	336-346	1.498	1738-1813	1.354	2166-2174	1.482	2312-2317	1.669	1321-1412	1.8	1028-1036	1.458	2313-2321	1.652	377-472	1.804	2149-2154	1.459	344-352	1.511	387-465	1.353
124-132	1.434	422-432	1.479	381-453	1.339	125-134	1.461	1255-1261	1.651	167-243	1.795	1662-1667	1.454	1256-1266	1.629	171-246	1.799	130-139	1.457	430-438	1.494	2003-2092	1.35
2005-2013	1.377	2165-2173	1.454	1996-2085	1.326	468-477	1.451	1477-1485	1.611	1711-1807	1.789	129-138	1.44	1481-1489	1.602	1719-1811	1.799	516-524	1.453	1174-1184	1.459	921-996	1.347
897-905	1.37	1171-1176	1.453	914-989	1.321	1658-1666	1.449	1338-1344	1.608	1024-1096	1.774	171-180	1.427	1317-1325	1.595	1077-1168	1.789	2052-2060	1.442	2172-2179	1.458	1746-1820	1.342
766-776	1.359	2126-2133	1.447	584-680	1.314	167-176	1.436	1313-1321	1.582	252-328	1.773	600-609	1.41	1339-1348	1.587	255-332	1.781	2012-2019	1.407	257-264	1.433	592-688	1.311
2046-2053	1.307	250-259	1.418	1822-1893	1.276	940-949	1.434	424-433	1.562	338-414	1.771	472-481	1.407	428-437	1.579	342-418	1.778	988-996	1.389	602-610	1.429	1829-1900	1.262
2222-2231	1.305	594-604	1.412	1574-1647	1.244	596-605	1.432	510-519	1.544	1547-1641	1.759	944-953	1.405	1276-1284	1.572	1028-1100	1.775	774-782	1.333	1422-1432	1.399	1581-1654	1.231
165-175	1.294	295-303	1.393	1640-1709	1.219	812-821	1.429	1272-1280	1.535	1073-1164	1.752	2228-2233	1.398	514-523	1.563	1555-1645	1.771	1581-1586	1.305	2132-2140	1.393	1005-1078	1.227
1574-1583	1.269	1419-1424	1.392	1506-1598	1.201	2224-2232	1.42	1518-1526	1.505	596-672	1.737	686-695	1.38	1522-1530	1.555	600-676	1.741	173-181	1.286	301-310	1.374	1646-1721	1.223
852-862	1.262	467-475	1.347	998-1071	1.196	682-691	1.403	1172-1178	1.491	305-400	1.707	816-825	1.363	342-351	1.498	309-404	1.729	2229-2234	1.274	1257-1268	1.348	1514-1606	1.209

塑性率 Kin-NS

X2						X4						X8						X10					
はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス
1162-1171	1.523	1171-1176	1.734	141-218	1.444	1246-1255	1.702	1229-1237	1.973	1073-1164	2.055	1745-1750	2.21	1750-1760	2.005	1077-1168	2.101	1169-1174	1.483	1174-1184	1.725	148-225	1.436
914-923	1.44	923-928	1.682	1094-1186	1.419	1682-1690	1.644	983-991	1.881	185-260	1.999	1251-1256	1.721	1233-1241	1.972	1159-1251	2.013	559-568	1.456	926-936	1.674	1102-1194	1.422
1244-1254	1.412	1007-1012	1.648	756-852	1.403	1330-1338	1.638	1065-1073	1.857	119-211	1.981	1334-1339	1.657	987-995	1.884	1686-1760	2.01	731-740	1.442	1010-1020	1.639	764-860	1.403
828-837	1.405	1089-1094	1.622	155-250	1.4	1846-1854	1.628	1255-1261	1.854	1682-1755	1.968	1770-1778	1.606	1069-1077	1.859	193-263	2.004	1646-1654	1.434	1092-1102	1.613	163-257	1.397
998-1007	1.399	837-842	1.618	326-422	1.377	1272-1280	1.624	1147-1155	1.836	1155-1246	1.966	1276-1284	1.605	1151-1159	1.837	120-215	1.988	473-482	1.428	840-850	1.612	936-1030	1.375
1080-1089	1.382	766-776	1.582	928-1022	1.375	1164-1172	1.574	1090-1096	1.768	283-382	1.928	1168-1173	1.595	1256-1266	1.833	291-386	1.934	645-654	1.422	774-782	1.599	334-430	1.373
1410-1419	1.376	1254-1259	1.567	312-389	1.363	1766-1774	1.559	1172-1178	1.766	268-347	1.906	1686-1694	1.591	1276-1284	1.777	995-1086	1.934	921-926	1.4	860-868	1.569	1663-1736	1.354
553-561	1.372	852-862	1.552	1656-1729	1.361	1082-1090	1.546	1008-1014	1.745	356-433	1.905	1850-1858	1.57	1091-1100	1.751	1604-1676	1.931	1252-1257	1.371	1257-1268	1.558	319-396	1.353
1492-1501	1.367	751-756	1.549	227-303	1.355	1000-1008	1.516	1272-1280	1.742	198-296	1.9	1086-1091	1.569	1028-1036	1.749	276-351	1.913	835-840	1.369	754-764	1.543	1020-1112	1.349
742-751	1.357	680-690	1.494	1012-1104	1.347	916-924	1.484	1338-1344	1.729	991-1082	1.889	1004-1009	1.54	1173-1182	1.749	364-437	1.912	1005-1010	1.358	688-696	1.51	234-310	1.347
467-475	1.356	594-604	1.492	842-938	1.336	1229-1237	1.484	1024-1032	1.718	1600-1672	1.883	920-925	1.505	1009-1018	1.728	206-300	1.907	1087-1092	1.342	602-610	1.509	850-946	1.336
725-733	1.342	508-518	1.472	241-336	1.322	830-838	1.458	924-930	1.702	907-1000	1.845	834-839	1.479	1339-1348	1.708	911-1004	1.889	1417-1422	1.333	516-524	1.487	248-344	1.318
1574-1583	1.336	1022-1031	1.444	412-508	1.317	1354-1362	1.421	1106-1114	1.674	735-830	1.839	1233-1241	1.43	1110-1118	1.706	739-834	1.877	817-826	1.329	1030-1037	1.459	420-516	1.314
639-647	1.329	665-670	1.434	1176-1270	1.303	768-777	1.415	812-821	1.666	1188-1261	1.819	1416-1421	1.427	925-934	1.683	1192-1266	1.829	1499-1504	1.325	946-954	1.435	1184-1278	1.307
1640-1647	1.323	938-948	1.419	670-766	1.298	1412-1420	1.409	726-735	1.66	1106-1178	1.817	1498-1503	1.424	1192-1200	1.67	1110-1182	1.826	749-754	1.322	668-678	1.427	678-774	1.297
1328-1337	1.315	1419-1424	1.403	584-680	1.286	1494-1502	1.404	898-907	1.657	821-916	1.764	748-753	1.42	730-739	1.666	825-920	1.805	387-396	1.317	1340-1350	1.408	592-688	1.284
1656-1665	1.277	1337-1342	1.401	398-475	1.25	744-752	1.4	838-844	1.654	1354-1426	1.758	1358-1366	1.405	816-825	1.665	1358-1430	1.776	301-310	1.305	1422-1432	1.399	749-826	1.249
656-665	1.259	1501-1506	1.373	742-819	1.243	1576-1584	1.389	1188-1196	1.634	369-468	1.747	772-781	1.397	902-911	1.663	1325-1416	1.772	1728-1736	1.301	430-438	1.377	405-482	1.241
295-303	1.254	422-432	1.363	498-594	1.236	1188-1196	1.376	1313-1321	1.619	768-844	1.725	1580-1585	1.391	772-781	1.643	377-472	1.752	1581-1586	1.294	1504-1514	1.362	506-602	1.233
381-389	1.253	579-584	1.334	124-196	1.202	1641-1649	1.376	768-777	1.617	1321-1412	1.721	1192-1200	1.357	839-848	1.637	1440-1512	1.743	1335-1340	1.29	582-592	1.322	130-208	1.209
1738-1748	1.251	1583-1588	1.331	570-647	1.202	510-519	1.364	854-863	1.599	1436-1508	1.717	1645-1653	1.352	858-867	1.626	653-748	1.735	1663-1668	1.239	1586-1596	1.32	577-654	1.197
811-819	1.224	336-346	1.306	656-733	1.188	1024-1032	1.358	752-758	1.575	649-744	1.701	514-523	1.351	1317-1325	1.618	772-848	1.732	1746-1751	1.235	344-352	1.318	663-740	1.186
570-579	1.197	1104-1113	1.267	1080-1153	1.177	596-605	1.351	940-949	1.532	1237-1330	1.687	1028-1036	1.338	944-953	1.563	1241-1334	1.725	663-668	1.225	1112-1119	1.306	1087-1160	1.179
1722-1729	1.184	1665-1670	1.232	484-561	1.162	1106-1114	1.343	468-477	1.497	442-519	1.679	600-609	1.337	753-762	1.56	1407-1498	1.699	577-582	1.167	1668-1678	1.221	491-568	1.157
1822-1831	1.128	725-733	1.218	1574-1647	1.149	854-863	1.337	554-563	1.493	1272-1344	1.661	1110-1118	1.324	514-523	1.507	450-523	1.687	216-225	1.154	731-740	1.18	1581-1654	1.141
210-218	1.111	811-819	1.185	210-281	1.118	468-477	1.325	510-519	1.489	1403-1494	1.645	662-667	1.322	600-609	1.502	1522-1594	1.679	1564-1572	1.105	496-506	1.16	216-293	1.124
484-493	1.025	982-989	1.171	828-905	1.116	1723-1731	1.317	596-605	1.481	1518-1590	1.645	858-867	1.318	472-481	1.498	567-662	1.673	1829-1834	1.098	817-826	1.143	835-912	1.12
1558-1565	1	493-498	1.164	175-266	1.101	1600-1608	1.313	666-672	1.461	563-658	1.643	1727-1735	1.301	558-567	1.495	1276-1348	1.67	903-912	1.09	257-264	1.141	181-278	1.105
1902-1911	1	250-259	1.125	1162-1235	1.089	658-666	1.304	1420-1426	1.43	1024-1096	1.634	1604-1612	1.299	667-676	1.448	1028-1100	1.642	1812-1820	1.082	988-996	1.111	1169-1242	1.099
2062-2071	1	467-475	1.123	914-989	1.08	726-735	1.303	1502-1508	1.421	682-758	1.623	1828-1833	1.288	428-437	1.416	686-762	1.63	988-996	1.019	473-482	1.099	921-996	1.095
508-518	0.995	553-561	1.12	1259-1352	1.075	382-391	1.287	1584-1590	1.415	940-1014	1.613	472-481	1.283	644-653	1.409	944-1018	1.62	130-139	1.002	559-568	1.09	1268-1360	1.078
897-905	0.994	639-647	1.114	998-1071	1.056	554-563	1.276	640-649	1.409	854-930	1.598	1662-1667	1.27	686-695	1.409	858-934	1.605	491-496	0.997	645-654	1.081	301-379	1.062
1680-1689	0.993	407-412	1.082	295-367	1.055	1807-1815	1.275	424-433	1.401	596-672	1.589	428-437	1.255	1421-1430	1.4	1489-1580	1.604	1688-1695	0.995	410-420	1.076	1005-1078	1.056
124-132	0.991	1748-1753	1.053	259-354	1.011	1147-1155	1.27	682-691	1.385	1485-1576	1.548	386-395	1.247	1503-1512	1.393	1571-1662	1.596	516-524	0.99	1751-1762	1.053	264-366	1.014
594-604	0.987	381-389	1.03	1640-1709	0.998	424-433	1.268	382-391	1.377	477-572	1.533	730-739	1.246	386-395	1.38	600-676	1.595	1909-1914	0.988	1194-1201	1.011	1646-1721	1.004
1806-1813	0.986	295-303	1.015	1244-1319	0.987	983-991	1.264	1354-1362	1.338	1567-1658	1.532	1930-1938	1.243	1358-1366	1.379	1770-1841	1.562	2069-2074	0.987	387-396	1.009	1252-1326	1.003
336-346	0.984	897-905	1.014	1670-1764	0.98	1313-1321	1.253	580-586	1.325	455-554	1.53	1811-1819	1.239	1585-1594	1.366	481-576	1.558	602-610	0.981	301-310	0.999	1678-1772	0.983

塑性率 Shuto-NS

X2						X4						X8						X10					
はり端		はりJ端		トラス		はり端		はりJ端		トラス		はり端		はりJ端		トラス		はり端		はりJ端		トラス	
295-303	2.401	1722-1729	2.316	312-389	2.412	382-391	2.484	1766-1774	2.606	1649-1740	2.884	1745-1750	3.048	1750-1760	3.03	1653-1745	2.936	387-396	2.454	1772-1779	2.318	319-396	2.41
381-389	2.398	1764-1773	2.276	227-303	2.306	1846-1854	2.425	1723-1731	2.566	356-433	2.643	386-395	2.452	1770-1778	2.677	364-437	2.647	301-310	2.445	1728-1736	2.275	234-310	2.304
336-346	2.364	1680-1689	2.128	141-218	2.208	296-305	2.386	1807-1815	2.552	268-347	2.56	1850-1858	2.37	1850-1858	2.629	276-351	2.564	473-482	2.378	1688-1695	2.17	148-225	2.203
422-432	2.342	1640-1647	2.094	155-250	2.184	1807-1815	2.336	1846-1854	2.547	119-211	2.524	300-309	2.359	1727-1735	2.596	120-215	2.532	344-352	2.35	344-352	2.091	163-257	2.18
467-475	2.31	336-346	2.079	1670-1764	2.168	468-477	2.33	1682-1690	2.398	185-260	2.501	1811-1819	2.298	1811-1819	2.498	193-263	2.506	430-438	2.326	516-524	2.087	1678-1772	2.174
508-518	2.243	508-518	2.073	398-475	2.166	1926-1934	2.241	1641-1649	2.345	338-414	2.476	472-481	2.292	1686-1694	2.455	1571-1662	2.483	516-524	2.225	430-438	2.059	405-482	2.168
210-218	2.127	1806-1813	2.064	241-336	2.055	1766-1774	2.173	1887-1895	2.22	1567-1658	2.404	1930-1938	2.232	1645-1653	2.305	342-418	2.482	559-568	2.175	1646-1654	2.044	248-344	2.049
553-561	2.1	422-432	2.046	210-281	2.021	424-433	2.169	1926-1934	2.084	198-296	2.402	1770-1778	2.202	1891-1899	2.21	1735-1828	2.422	216-225	2.16	1852-1859	2.033	216-293	2.028
250-259	2.076	1845-1853	1.994	326-422	2.002	1723-1731	2.16	1967-1975	1.966	1731-1824	2.342	428-437	2.152	1930-1938	2.174	206-300	2.409	257-264	2.071	1812-1820	2.021	334-430	2
594-604	2	594-604	1.993	295-367	1.953	338-347	2.085	424-433	1.962	252-328	2.338	1727-1735	2.129	1604-1612	1.973	1686-1760	2.347	602-610	1.981	602-610	2.009	301-379	1.961
639-647	1.848	295-303	1.91	124-196	1.929	2006-2014	2.083	1600-1608	1.926	424-500	2.334	342-351	2.07	428-437	1.972	255-332	2.344	1812-1820	1.969	257-264	1.908	130-208	1.937
2062-2071	1.847	250-259	1.892	175-266	1.873	554-563	2.069	338-347	1.924	1682-1755	2.326	2010-2018	2.064	1971-1979	1.944	428-504	2.34	1728-1736	1.961	301-310	1.899	181-278	1.877
1722-1729	1.822	1665-1670	1.853	412-508	1.81	1887-1895	2.069	1559-1567	1.891	1629-1723	2.321	1891-1899	2.031	342-351	1.933	1637-1727	2.328	645-654	1.93	1668-1678	1.847	491-568	1.81
1806-1813	1.818	1748-1753	1.833	484-561	1.806	510-519	2.041	510-519	1.882	442-519	2.286	558-567	2.029	514-523	1.894	450-523	2.29	1772-1779	1.808	1751-1762	1.839	420-516	1.809
1738-1748	1.803	381-389	1.831	259-354	1.772	211-220	1.968	167-176	1.866	283-382	2.226	514-523	2.023	1563-1571	1.876	291-386	2.235	2069-2074	1.808	688-696	1.825	264-366	1.776
1764-1773	1.798	467-475	1.82	381-453	1.686	125-134	1.937	382-391	1.833	167-243	2.17	215-224	1.948	171-180	1.874	138-233	2.176	1852-1859	1.799	387-396	1.816	387-465	1.694
1822-1831	1.792	680-690	1.808	498-594	1.649	1682-1690	1.91	468-477	1.815	134-229	2.159	129-138	1.922	386-395	1.826	171-246	2.174	1746-1751	1.786	473-482	1.801	1762-1852	1.651
1845-1853	1.769	1886-1893	1.794	1656-1729	1.645	1641-1649	1.885	296-305	1.769	220-314	2.095	1828-1833	1.885	472-481	1.807	1489-1580	2.124	1892-1900	1.778	1606-1613	1.769	506-602	1.649
1902-1911	1.766	210-218	1.768	1753-1845	1.643	2086-2094	1.874	1749-1755	1.748	1485-1576	2.054	1686-1694	1.86	2010-2018	1.786	224-318	2.116	1829-1834	1.756	216-225	1.758	1663-1736	1.639
124-132	1.718	1598-1607	1.731	584-680	1.594	1904-1912	1.84	1832-1837	1.743	510-586	2.047	1645-1653	1.857	300-309	1.764	1819-1908	2.101	731-740	1.751	1892-1900	1.752	592-688	1.595
680-690	1.716	1583-1588	1.722	570-647	1.586	1824-1832	1.83	2047-2055	1.729	305-400	2.043	2090-2098	1.849	1833-1841	1.759	1770-1841	2.07	130-139	1.741	1932-1939	1.722	577-654	1.592
1982-1991	1.713	1925-1933	1.703	1689-1780	1.581	1984-1992	1.812	554-563	1.696	1815-1904	2.038	1908-1913	1.837	2051-2059	1.705	309-404	2.063	1909-1914	1.732	1586-1596	1.718	352-452	1.578
165-175	1.709	1831-1836	1.687	346-440	1.573	1967-1975	1.798	2006-2014	1.689	1766-1837	2.032	1988-1993	1.827	600-609	1.69	514-590	2.053	1646-1654	1.719	1834-1843	1.684	1695-1792	1.577
725-733	1.656	553-561	1.672	1588-1680	1.514	596-605	1.797	1666-1672	1.679	1600-1672	1.983	2068-2073	1.806	558-567	1.689	1604-1676	2.018	173-181	1.702	774-782	1.677	1596-1688	1.522
1656-1665	1.656	124-132	1.67	670-766	1.455	2064-2072	1.792	596-605	1.677	1846-1917	1.973	600-609	1.779	1667-1676	1.679	1407-1498	2.007	688-696	1.696	130-139	1.664	678-774	1.456
2142-2151	1.643	766-776	1.66	1836-1925	1.412	1740-1749	1.723	1477-1485	1.665	391-486	1.954	1971-1979	1.745	1522-1530	1.666	1850-1921	2.004	1989-1994	1.677	559-568	1.656	1843-1932	1.421
1886-1893	1.598	165-175	1.641	656-733	1.395	252-260	1.696	1912-1917	1.65	1403-1494	1.949	255-263	1.691	1481-1489	1.643	395-490	1.979	1663-1668	1.624	173-181	1.647	663-740	1.405
1640-1647	1.592	1501-1506	1.613	756-852	1.383	640-649	1.692	1584-1590	1.649	369-468	1.914	171-180	1.669	255-263	1.638	377-472	1.923	2149-2154	1.602	1504-1514	1.606	764-860	1.385
1925-1933	1.575	1911-1916	1.555	432-526	1.355	167-176	1.679	1518-1526	1.626	477-572	1.87	644-653	1.65	1585-1594	1.612	481-576	1.898	1932-1939	1.6	1914-1923	1.557	438-538	1.358
1680-1689	1.534	2071-2076	1.512	84-165	1.338	2144-2152	1.617	252-260	1.625	596-672	1.867	2148-2153	1.631	1913-1921	1.609	567-662	1.888	1688-1695	1.539	2074-2083	1.521	749-826	1.347
766-776	1.53	1558-1565	1.487	742-819	1.334	726-735	1.603	125-134	1.594	563-658	1.859	730-739	1.56	129-138	1.589	600-676	1.872	1972-1980	1.536	1564-1572	1.483	92-173	1.337
1574-1583	1.434	1419-1424	1.425	467-539	1.317	2224-2232	1.511	1313-1321	1.555	528-605	1.808	2228-2233	1.525	1317-1325	1.559	1325-1416	1.845	774-782	1.51	1422-1432	1.427	473-551	1.325
2222-2231	1.418	639-647	1.418	1738-1813	1.303	682-691	1.492	1992-1997	1.552	1321-1412	1.801	1662-1667	1.514	1399-1407	1.535	536-609	1.811	817-826	1.459	1524-1531	1.426	1746-1820	1.297
398-407	1.4	1991-1996	1.407	1822-1893	1.286	768-777	1.488	1395-1403	1.542	649-744	1.764	404-409	1.472	1993-2001	1.528	653-748	1.794	1581-1586	1.405	1994-2003	1.419	1829-1900	1.283
1966-1973	1.361	852-862	1.392	70-132	1.247	1658-1666	1.483	2072-2077	1.504	1926-1997	1.758	686-695	1.472	2090-2098	1.483	1930-2001	1.788	2052-2060	1.402	860-868	1.409	77-139	1.242
811-819	1.356	1516-1525	1.392	1574-1647	1.193	400-408	1.456	211-220	1.473	1698-1774	1.74	772-781	1.466	2073-2081	1.474	739-834	1.756	2229-2234	1.377	645-654	1.393	1581-1654	1.19
2005-2013	1.338	1966-1973	1.363	518-612	1.178	2047-2055	1.455	726-735	1.47	735-830	1.727	2170-2178	1.418	215-224	1.468	1899-1988	1.755	405-410	1.374	2154-2163	1.324	524-624	1.181

塑性率 311 告-NS

X2						X4						X8						X10					
はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス
1162-1171	1.598	1171-1176	2.172	1176-1270	1.69	1229-1237	1.71	1229-1237	2.706	1155-1246	2.466	1745-1750	1.936	1750-1760	3.196	1159-1251	2.537	559-568	1.66	1174-1184	2.172	1184-1278	1.694
467-475	1.575	1254-1259	2.101	1094-1186	1.66	1246-1255	1.668	1272-1280	2.661	1073-1164	2.354	1233-1241	1.717	1233-1241	2.707	1077-1168	2.422	473-482	1.658	1257-1268	2.102	1102-1194	1.663
553-561	1.566	1501-1506	2.071	1670-1764	1.527	1330-1338	1.596	1313-1321	2.457	1649-1740	2.312	1251-1256	1.642	1276-1284	2.702	1571-1662	2.363	1169-1174	1.621	1504-1514	2.069	1678-1772	1.534
1244-1254	1.509	1419-1424	2.062	1259-1352	1.445	1272-1280	1.577	1354-1362	2.415	1567-1658	2.272	1276-1284	1.609	1358-1366	2.458	1653-1745	2.361	645-654	1.588	1422-1432	2.06	1268-1360	1.45
639-647	1.485	1583-1588	2.042	155-250	1.443	1164-1172	1.562	1147-1155	2.362	1321-1412	2.247	1334-1339	1.568	1317-1325	2.455	1325-1416	2.328	731-740	1.582	1586-1596	2.04	1020-1112	1.44
725-733	1.47	1337-1342	2.018	141-218	1.439	468-477	1.545	1255-1261	2.33	1237-1330	2.21	1168-1173	1.535	1151-1159	2.363	1407-1498	2.286	387-396	1.537	1340-1350	2.033	163-257	1.438
381-389	1.468	1665-1670	2.011	1012-1104	1.438	768-777	1.542	1188-1196	2.321	1403-1494	2.201	1317-1325	1.529	1192-1200	2.361	1241-1334	2.269	1252-1257	1.534	1668-1678	2.01	148-225	1.432
1328-1337	1.453	1089-1094	1.944	312-389	1.42	510-519	1.537	1338-1344	2.251	1485-1576	2.122	772-781	1.523	1256-1266	2.302	1489-1580	2.211	301-310	1.47	1092-1102	1.944	319-396	1.414
295-303	1.415	1007-1012	1.89	928-1022	1.366	1313-1321	1.524	1065-1073	2.153	119-211	2.034	514-523	1.52	1339-1348	2.223	995-1086	2.075	1335-1340	1.463	1751-1762	1.894	936-1030	1.366
1492-1501	1.406	1748-1753	1.882	227-303	1.363	596-605	1.52	1172-1178	2.153	991-1082	2.01	600-609	1.501	1069-1077	2.158	120-215	2.042	817-826	1.448	1010-1020	1.889	234-310	1.358
1410-1419	1.402	923-928	1.849	398-475	1.355	554-563	1.475	1106-1114	2.083	185-260	1.984	472-481	1.498	1173-1182	2.129	193-263	1.989	1499-1504	1.431	926-936	1.847	405-482	1.352
1574-1583	1.391	1680-1689	1.792	326-422	1.338	1082-1090	1.471	1090-1096	2.053	356-433	1.926	1086-1091	1.444	1110-1118	2.12	364-437	1.931	1417-1422	1.427	1688-1695	1.83	334-430	1.332
1080-1089	1.378	1831-1836	1.723	241-336	1.33	382-391	1.467	1807-1815	2.039	198-296	1.92	1151-1159	1.434	1091-1100	2.031	206-300	1.927	1581-1586	1.416	1834-1843	1.723	248-344	1.324
1656-1665	1.363	837-842	1.722	756-852	1.32	854-863	1.45	1641-1649	2.032	268-347	1.892	386-395	1.428	987-995	2.013	1735-1828	1.917	1087-1092	1.402	840-850	1.722	764-860	1.317
828-837	1.353	1764-1773	1.69	570-647	1.288	1024-1032	1.445	1395-1403	2.019	283-382	1.891	834-839	1.427	1399-1407	2.01	911-1004	1.914	1663-1668	1.388	1772-1779	1.714	577-654	1.291
914-923	1.348	1434-1443	1.634	484-561	1.281	1147-1155	1.426	1584-1590	2.018	907-1000	1.855	858-867	1.426	1727-1735	2.006	291-386	1.899	1005-1010	1.357	1442-1449	1.686	491-568	1.281
742-751	1.341	751-756	1.614	742-819	1.266	424-433	1.425	1502-1508	2.015	1731-1824	1.848	558-567	1.425	1503-1512	1.987	276-351	1.897	921-926	1.332	754-764	1.611	749-826	1.276
998-1007	1.334	1911-1916	1.572	1588-1680	1.265	830-838	1.406	983-991	2.004	735-830	1.791	1028-1036	1.423	1645-1653	1.985	739-834	1.834	835-840	1.318	1606-1613	1.598	1596-1688	1.271
811-819	1.33	1598-1607	1.556	842-938	1.263	726-735	1.394	1420-1426	1.991	442-519	1.74	920-925	1.414	1811-1819	1.978	825-920	1.762	749-754	1.307	1524-1531	1.596	850-946	1.261
1738-1748	1.271	1516-1525	1.55	412-508	1.241	916-924	1.393	1723-1731	1.979	768-844	1.711	428-437	1.409	1585-1594	1.975	450-523	1.745	1746-1751	1.283	1914-1923	1.569	663-740	1.245
656-665	1.259	2071-2076	1.534	656-733	1.238	682-691	1.392	1008-1014	1.948	821-916	1.708	1004-1009	1.407	1440-1448	1.964	1819-1908	1.718	216-225	1.273	1278-1285	1.562	420-516	1.235
210-218	1.231	1270-1279	1.52	670-766	1.236	1576-1584	1.386	1024-1032	1.924	1106-1178	1.687	748-753	1.404	1421-1430	1.962	772-848	1.715	663-668	1.222	1112-1119	1.54	678-774	1.232
508-518	1.206	1104-1113	1.492	584-680	1.228	1000-1008	1.385	1436-1444	1.91	1815-1904	1.667	1358-1366	1.383	1028-1036	1.959	653-748	1.705	903-912	1.194	2074-2083	1.534	592-688	1.223
570-579	1.192	766-776	1.48	175-266	1.194	744-752	1.385	1666-1672	1.889	369-468	1.664	686-695	1.372	1009-1018	1.926	1110-1182	1.693	516-524	1.187	1194-1201	1.51	181-278	1.198
594-604	1.171	1022-1031	1.48	498-594	1.178	1494-1502	1.369	1477-1485	1.867	649-744	1.664	1192-1200	1.342	1667-1676	1.881	377-472	1.672	577-582	1.158	1030-1037	1.501	506-602	1.173
1822-1831	1.117	665-670	1.465	1342-1434	1.145	1412-1420	1.349	1749-1755	1.848	1629-1723	1.659	730-739	1.339	1686-1694	1.874	1637-1727	1.665	602-610	1.15	774-782	1.499	1350-1442	1.152
422-432	1.116	1186-1195	1.465	1689-1780	1.124	1354-1362	1.347	924-930	1.842	596-672	1.654	662-667	1.338	1770-1778	1.86	600-676	1.659	1829-1834	1.142	1852-1859	1.47	835-912	1.131
336-346	1.108	1845-1853	1.448	828-905	1.117	940-949	1.335	1682-1690	1.814	682-758	1.651	1498-1503	1.336	1481-1489	1.848	686-762	1.655	988-996	1.111	668-678	1.461	1695-1792	1.121
680-690	1.086	1640-1647	1.447	259-354	1.097	1658-1666	1.324	1832-1837	1.812	1188-1261	1.639	1580-1585	1.336	1833-1841	1.823	1192-1266	1.646	130-139	1.099	860-868	1.437	264-366	1.101
766-776	1.085	1991-1996	1.434	1424-1516	1.09	1106-1114	1.323	1766-1774	1.779	563-658	1.602	1662-1667	1.329	925-934	1.821	567-662	1.639	430-438	1.099	602-610	1.435	1432-1524	1.097
897-905	1.074	1722-1729	1.422	1753-1845	1.063	658-666	1.319	1559-1567	1.773	510-586	1.58	1416-1421	1.315	1850-1858	1.79	514-590	1.584	344-352	1.094	1994-2003	1.435	921-996	1.079
124-132	1.072	594-604	1.416	914-989	1.061	1188-1196	1.31	838-844	1.748	424-500	1.565	944-953	1.309	1522-1530	1.773	428-504	1.57	688-696	1.065	688-696	1.421	1762-1852	1.073
484-493	1.064	852-862	1.414	346-440	1.051	296-305	1.286	1518-1526	1.716	1354-1426	1.557	1110-1118	1.3	1563-1571	1.764	1358-1430	1.568	774-782	1.062	1646-1654	1.419	1087-1160	1.058
398-407	1.01	680-690	1.402	124-196	1.043	640-649	1.275	1846-1854	1.705	854-930	1.551	1069-1077	1.261	839-848	1.729	858-934	1.556	491-496	1.035	516-524	1.408	352-452	1.054
1902-1911	0.996	508-518	1.391	1080-1153	1.035	1065-1073	1.25	898-907	1.661	528-605	1.533	300-309	1.251	1604-1612	1.679	536-609	1.537	1909-1914	1.014	1728-1736	1.395	130-208	1.048
982-989	0.994	579-584	1.357	1506-1598	1.02	338-347	1.249	1912-1917	1.654	1024-1096	1.53	1828-1833	1.249	902-911	1.668	1028-1100	1.536	405-410	0.992	582-592	1.351	1514-1606	1.027
250-259	0.978	938-948	1.299	84-165	0.994	1824-1832	1.236	1887-1895	1.646	940-1014	1.529	342-351	1.235	944-953	1.632	944-1018	1.535	257-264	0.977	946-954	1.321	1005-1078	1.006

累積塑性変形倍率 1M-EW

Y14					Y15					Y16					Y17				
はり端		はりJ端		トラス	はり端		はりJ端			はり端		はりJ端			はり端		はりJ端		トラス
549-550	4.488	464-465	3.539	894-979	8.405	472-473	2.171	472-473	0.973	481-482	2.575	567-568	1.512	576-577	2.327	576-577	1.548	1333-1250	1.633
463-464	4.446	550-551	3.5	980-1061	8.216	558-559	2.123	558-559	0.969	567-568	2.564	481-482	1.499	570-571	2.315	490-491	1.516	1332-1249	1.14
635-636	4.414	378-379	3.352	808-893	8.163	386-387	2.015	987-988	0.954	475-476	2.539	653-654	1.438	484-485	2.303	662-663	1.476	1331-1248	0.225
979-980	4.282	636-637	3.278	895-980	7.589	644-645	1.924	644-645	0.887	561-562	2.534	739-740	1.339	490-491	2.282	1004-1005	1.454		
893-894	4.155	292-293	3.063	809-894	7.558	730-731	1.774	386-387	0.855	647-648	2.403	395-396	1.336	662-663	2.273	748-749	1.393		
721-722	4.144	722-723	2.96	981-1062	7.221	467-468	1.755	730-731	0.793	653-654	2.398	825-826	1.231	656-657	2.224	404-405	1.334		
377-378	4.052	207-208	2.805	1062-1143	6.837	553-554	1.727	467-468	0.775	395-396	2.369	995-996	1.222	742-743	2.121	834-835	1.314		
807-808	4.039	808-809	2.583	465-550	6.205	902-903	1.713	300-301	0.718	389-390	2.361	911-912	1.198	748-749	2.119	485-486	1.261		
120-121	3.675	454-455	2.549	379-464	6.198	987-988	1.668	553-554	0.713	739-740	2.268	476-477	1.136	398-399	2.111	571-572	1.258		
1061-1062	3.659	540-541	2.492	551-636	6.091	300-301	1.665	816-817	0.708	733-734	2.246	562-563	1.11	998-999	2.093	920-921	1.21		
453-454	3.616	980-981	2.42	550-635	5.989	982-983	1.66	381-382	0.691	911-912	2.229	309-310	1.097	1004-1005	2.082	657-658	1.2		
291-292	3.607	626-627	2.364	464-549	5.958	816-817	1.656	1069-1070	0.581	995-996	2.181	1077-1078	1.017	920-921	2.07	1086-1087	1.15		
367-368	3.551	894-895	2.352	293-378	5.832	381-382	1.635	215-216	0.577	825-826	2.163	390-391	1.005	404-405	2.065	399-400	1.12		
539-540	3.428	368-369	2.346	636-721	5.821	639-640	1.597	902-903	0.57	819-820	2.085	648-649	0.975	834-835	2.03	318-319	1.082		
550-551	3.35	121-122	2.288	378-463	5.806	295-296	1.498	639-640	0.549	989-990	2.074	224-225	0.937	828-829	2.019	743-744	1.069		
464-465	3.343	282-283	2.213	637-722	5.688	215-216	1.494	295-296	0.48	303-304	2.066	734-735	0.857	914-915	1.947	999-1000	1.004		
281-282	3.274	970-971	2.153	1063-1144	5.678	725-726	1.482	210-211	0.469	905-906	2.048	906-907	0.806	312-313	1.843	915-916	0.984		
196-197	3.256	712-713	2.136	722-807	5.652	1069-1070	1.45	725-726	0.414	309-310	1.956	990-991	0.77	1086-1087	1.843	829-830	0.967		
378-379	3.117	884-885	2.045	723-808	5.295	811-812	1.388	557-558	0.39	1077-1078	1.956	820-821	0.757	1080-1081	1.777	313-314	0.947		
625-626	3.105	798-799	1.996	292-377	5.291	210-211	1.339	815-816	0.382	218-219	1.842	304-305	0.744	318-319	1.729	233-234	0.834		
636-637	3.042	118-119	1.94	884-971	5.245	897-898	1.302	643-644	0.375	1071-1072	1.814	219-220	0.639	233-234	1.587	1081-1082	0.809		
206-207	3.001	1062-1063	1.886	208-292	5.18	1064-1065	1.287	471-472	0.371	224-225	1.741	138-139	0.614	227-228	1.573	228-229	0.714		
117-118	2.94	1052-1053	1.803	970-1053	5.128	58-59	1.187	897-898	0.36	132-133	1.538	1072-1073	0.608	141-142	1.408	147-148	0.52		
292-293	2.708	549-550	1.611	798-885	5.037	124-125	1.089	729-730	0.357	138-139	1.155	566-567	0.357	147-148	1.197	661-662	0.51		
711-712	2.629	463-464	1.563	122-207	4.785	129-130	0.927	982-983	0.35	61-62	1.033	480-481	0.341	76-77	0.884	575-576	0.501		
722-723	2.608	635-636	1.544	207-291	4.654	54-55	0.661	901-902	0.348	67-68	0.906	652-653	0.34	1162-1163	0.838	1003-1004	0.49		
454-455	2.595	197-198	1.481	121-206	4.251	130-131	0.254	986-987	0.335	1159-1160	0.775	738-739	0.319	70-71	0.798	919-920	0.471		
540-541	2.567	51-52	1.417	1052-1135	4.053	983-984	0.112	1068-1069	0.335	1153-1154	0.572	910-911	0.309	1168-1169	0.678	747-748	0.468		
626-627	2.377	721-722	1.374	52-121	4.026	898-899	0.108	129-130	0.321	563-564	0.066	994-995	0.298	148-149	0.388	489-490	0.456		
368-369	2.375	377-378	1.313	454-541	3.649	554-555	0.107	811-812	0.314	991-992	0.063	133-134	0.277	1414-1415	0.012	1085-1086	0.449		
45-46	2.342	979-980	1.196	540-627	3.63	1151-1152	0.101	385-386	0.283	907-908	0.06	1076-1077	0.277			142-143	0.436		
50-51	2.253	807-808	1.181	368-455	3.584	468-469	0.082	1064-1065	0.189	477-478	0.045	824-825	0.276			833-834	0.429		
969-970	2.227	46-47	1.148	883-970	3.579	640-641	0.075	54-55	0.164	649-650	0.03	394-395	0.244			1168-1169	0.398		
712-713	2.222	893-894	1.033	626-713	3.469	726-727	0.052	299-300	0.073	821-822	0.02	67-68	0.171			403-404	0.333		
207-208	2.211	291-292	0.84	969-1052	3.444			124-125	0.05	735-736	0.005	1159-1160	0.085			317-318	0.185		

累積塑性変形倍率 1M-EW

Y18					Y19				Y20				Y21						
はり端		はりJ端		トラス		はり端		はりJ端		はり端		はりJ端		はり端		はりJ端		トラス	
590-591	2.336	591-592	1.535	1347-1265	1.649	600-601	2.573	515-516	1.502	263-264	2.3	523-524	0.972	276-277	5.804	537-538	3.516	967-1048	8.437
584-585	2.312	505-506	1.502	1346-1264	1.16	514-515	2.549	601-602	1.497	523-524	2.148	609-610	0.968	450-451	4.704	623-624	3.466	1049-1130	8.244
246-247	2.304	677-678	1.464	1345-1263	0.241	508-509	2.537	687-688	1.427	609-610	2.13	1036-1037	0.957	622-623	4.599	451-452	3.278	881-966	8.198
498-499	2.3	1019-1020	1.444			594-595	2.53	773-774	1.329	437-438	2.073	259-260	0.911	708-709	4.428	709-710	3.258	968-1049	7.584
676-677	2.272	763-764	1.382			255-256	2.497	429-430	1.313	695-696	1.924	695-696	0.887	1048-1049	4.305	267-268	3.179	882-967	7.543
504-505	2.257	419-420	1.32			428-429	2.424	859-860	1.222	781-782	1.777	437-438	0.846	536-537	4.283	365-366	2.955	1050-1131	7.223
670-671	2.221	849-850	1.304			680-681	2.402	1029-1030	1.214	518-519	1.761	781-782	0.794	794-795	4.186	795-796	2.943	1131-1212	6.862
418-419	2.133	585-586	1.259			686-687	2.4	945-946	1.19	604-605	1.727	518-519	0.756	966-967	4.183	277-278	2.764	538-623	6.166
762-763	2.123	499-500	1.246			422-423	2.346	509-510	1.124	953-954	1.718	604-605	0.716	880-881	4.067	441-442	2.575	452-537	6.156
756-757	2.119	935-936	1.201			772-773	2.275	251-252	1.118	1036-1037	1.673	432-433	0.709	1130-1131	3.681	881-882	2.572	624-709	6.062
412-413	2.106	671-672	1.197			766-767	2.245	595-596	1.11	1031-1032	1.664	867-868	0.709	526-527	3.582	613-614	2.551	623-708	6.023
1012-1013	2.092	242-243	1.185			944-945	2.238	343-344	1.059	867-868	1.661	351-352	0.691	440-441	3.452	527-528	2.517	537-622	5.993
1018-1019	2.088	413-414	1.154			1028-1029	2.191	423-424	1.023	432-433	1.625	263-264	0.591	612-613	3.382	1049-1050	2.419	709-794	5.852
934-935	2.075	1101-1102	1.141			858-859	2.171	1111-1112	1.011	690-691	1.599	1118-1119	0.583	537-538	3.315	699-700	2.39	451-536	5.85
848-849	2.034	333-334	1.073			852-853	2.086	681-682	0.973	776-777	1.485	953-954	0.57	623-624	3.306	967-968	2.346	366-451	5.71
842-843	2.017	757-758	1.067			1022-1023	2.076	256-257	0.939	346-347	1.472	690-691	0.55	266-267	3.203	194-195	2.239	1132-1213	5.689
928-929	1.935	1013-1014	1.003			938-939	2.05	767-768	0.857	1118-1119	1.455	776-777	0.418	354-355	3.133	1039-1040	2.174	795-880	5.68
1100-1101	1.849	929-930	0.993			336-337	2.034	939-940	0.807	351-352	1.411	608-609	0.393	698-699	3.076	785-786	2.167	710-795	5.665
326-327	1.826	843-844	0.966			1110-1111	1.968	1023-1024	0.771	862-863	1.391	694-695	0.376	709-710	3.015	957-958	2.068	796-881	5.279
1094-1095	1.777	247-248	0.841			1104-1105	1.816	853-854	0.758	948-949	1.306	522-523	0.366	451-452	3.011	871-872	2.021	957-1040	5.27
241-242	1.565	1095-1096	0.808			250-251	1.758	337-338	0.633	1113-1114	1.292	948-949	0.364	183-184	2.872	1131-1132	1.888	365-450	5.263
332-333	1.48	327-328	0.8			342-343	1.739	1105-1106	0.61	259-260	1.291	346-347	0.363	114-115	2.807	1121-1122	1.821	1039-1122	5.15
155-156	1.398	675-676	0.51			165-166	1.521	172-173	0.589	108-109	1.257	780-781	0.359	527-528	2.657	622-623	1.642	278-365	5.089
161-162	1.042	589-590	0.505			94-95	1.032	599-600	0.36	175-176	1.08	1031-1032	0.353	613-614	2.612	536-537	1.595	871-958	5.065
90-91	0.922	162-163	0.498			171-172	0.988	685-686	0.34	180-181	0.695	952-953	0.351	784-785	2.602	708-709	1.572	195-277	4.746
1176-1177	0.838	1017-1018	0.491			100-101	0.95	513-514	0.336	104-105	0.655	1117-1118	0.339	365-366	2.594	794-795	1.399	277-364	4.715
84-85	0.798	933-934	0.472			1192-1193	0.787	771-772	0.321	181-182	0.221	1035-1036	0.338	795-796	2.586	115-116	1.382	194-276	4.189
1182-1183	0.687	761-762	0.47			1186-1187	0.577	943-944	0.311	1032-1033	0.115	866-867	0.316	699-700	2.419	450-451	1.355	1121-1204	4.072
163-164	0.372	1099-1100	0.451			596-597	0.068	1027-1028	0.3	949-950	0.111	862-863	0.315	441-442	2.418	112-113	1.325	116-194	3.959
1428-1429	0.021	503-504	0.448			1024-1025	0.065	1109-1110	0.281	605-606	0.109	436-437	0.305	785-786	2.27	1048-1049	1.214	527-614	3.679
		847-848	0.43			940-941	0.062	857-858	0.277	1200-1201	0.105	180-181	0.302	1038-1039	2.224	880-881	1.204	613-700	3.659
		1183-1184	0.391			510-511	0.042	427-428	0.266	519-520	0.079	1113-1114	0.192	277-278	2.146	966-967	1.053	441-528	3.621
		417-418	0.363			682-683	0.031	166-167	0.189	691-692	0.076	104-105	0.168	881-882	2.126	184-185	0.827	956-1039	3.57
		156-157	0.34			854-855	0.022	101-102	0.159	863-864	0.071			871-872	2.099	276-277	0.685	115-193	3.53
		85-86	0.15			768-769	0.007	1193-1194	0.081	777-778	0.055			1039-1040	2.077	1203-1204	0.654	699-786	3.494

累積塑性変形倍率 Ai-EW

Y14						Y15				Y16				Y17					
はり端		はりJ端		トラス		はり端		はりJ端		はり端		はりJ端		はり端		はりJ端		トラス	
979-980	4.061	464-465	2.741	980-1061	8.192	472-473	1.654	987-988	0.912	995-996	2.109	995-996	1.171	998-999	2.037	1004-1005	1.418	1332-1249	3.011
1061-1062	3.786	550-551	2.668	894-979	7.854	558-559	1.589	1069-1070	0.63	1077-1078	2.073	567-568	1.115	1004-1005	2.009	1086-1087	1.213	1333-1250	2.551
893-894	3.482	378-379	2.637	981-1062	7.318	982-983	1.588	472-473	0.623	481-482	2.069	481-482	1.114	1086-1087	1.939	576-577	1.154	1743-1661	1.53
549-550	3.317	292-293	2.488	895-980	7.175	987-988	1.58	558-559	0.604	567-568	2.04	1077-1078	1.089	1080-1081	1.843	490-491	1.136	1331-1248	1.293
463-464	3.305	636-637	2.464	808-893	7.143	386-387	1.548	386-387	0.545	475-476	2.026	653-654	1.053	484-485	1.825	662-663	1.088		
635-636	3.27	207-208	2.336	1062-1143	7.095	1069-1070	1.534	644-645	0.522	561-562	2.005	395-396	0.99	570-571	1.821	748-749	1.018		
120-121	3.14	980-981	2.3	809-894	6.692	902-903	1.415	300-301	0.461	989-990	1.994	911-912	0.986	576-577	1.801	404-405	0.996		
807-808	3.099	722-723	2.203	1063-1144	6.056	644-645	1.406	730-731	0.437	911-912	1.95	739-740	0.982	920-921	1.784	834-835	0.973		
721-722	3.076	1062-1063	2.029	379-464	5.346	1064-1065	1.329	1068-1069	0.431	395-396	1.905	825-826	0.917	490-491	1.767	999-1000	0.933		
377-378	3.041	121-122	1.944	465-550	5.29	300-301	1.309	467-468	0.386	389-390	1.902	309-310	0.822	662-663	1.761	920-921	0.915		
1387-1388	2.758	808-809	1.915	551-636	5.176	730-731	1.29	816-817	0.379	1071-1072	1.892	476-477	0.759	656-657	1.735	485-486	0.869		
291-292	2.755	970-971	1.896	293-378	5.119	467-468	1.287	215-216	0.373	653-654	1.891	562-563	0.718	398-399	1.686	1081-1082	0.858		
367-368	2.721	894-895	1.895	970-1053	4.996	553-554	1.238	986-987	0.358	647-648	1.888	990-991	0.712	742-743	1.648	571-572	0.855		
453-454	2.689	1052-1053	1.809	550-635	4.944	816-817	1.231	381-382	0.357	739-740	1.797	224-225	0.711	748-749	1.644	657-658	0.806		
196-197	2.688	454-455	1.623	464-549	4.917	215-216	1.225	901-902	0.309	733-734	1.767	390-391	0.674	834-835	1.614	318-319	0.804		
281-282	2.597	540-541	1.533	378-463	4.831	381-382	1.222	553-554	0.308	905-906	1.757	1072-1073	0.661	404-405	1.608	399-400	0.772		
117-118	2.514	282-283	1.525	636-721	4.826	295-296	1.159	982-983	0.274	825-826	1.751	648-649	0.602	828-829	1.586	915-916	0.752		
539-540	2.445	368-369	1.521	637-722	4.816	639-640	1.108	902-903	0.273	303-304	1.7	906-907	0.578	914-915	1.569	743-744	0.701		
206-207	2.427	118-119	1.509	722-807	4.747	210-211	1.065	815-816	0.267	819-820	1.663	734-735	0.512	312-313	1.494	313-314	0.659		
464-465	2.307	884-885	1.452	884-971	4.672	725-726	1.003	210-211	0.258	309-310	1.621	304-305	0.489	318-319	1.348	829-830	0.642		
550-551	2.27	626-627	1.422	208-292	4.619	58-59	0.998	557-558	0.251	218-219	1.546	820-821	0.451	233-234	1.329	233-234	0.619		
378-379	2.191	1388-1389	1.252	723-808	4.508	811-812	0.941	643-644	0.237	224-225	1.474	138-139	0.45	227-228	1.295	1085-1086	0.561		
969-970	2.113	712-713	1.246	292-377	4.461	897-898	0.891	729-730	0.23	132-133	1.32	219-220	0.434	141-142	1.2	1003-1004	0.522		
625-626	2.106	51-52	1.208	122-207	4.351	124-125	0.845	1064-1065	0.226	138-139	0.974	1076-1077	0.388	1414-1415	1.005	1168-1169	0.519		
45-46	2.067	798-799	1.197	1052-1135	4.17	129-130	0.744	471-472	0.224	1159-1160	0.858	994-995	0.318	147-148	1	228-229	0.499		
636-637	1.989	979-980	0.999	798-885	4.075	54-55	0.542	295-296	0.216	61-62	0.854	910-911	0.268	1578-1579	0.989	1414-1415	0.468		
292-293	1.956	197-198	0.976	207-291	3.995	1151-1152	0.224	639-640	0.161	67-68	0.783	566-567	0.202	1162-1163	0.972	919-920	0.407		
50-51	1.94	46-47	0.905	1305-1222	3.919	983-984	0.143	129-130	0.145	1153-1154	0.735	1159-1160	0.202	1496-1497	0.955	1578-1579	0.4		
1051-1052	1.917	549-550	0.748	121-206	3.734	898-899	0.055	385-386	0.121	991-992	0.091	652-653	0.184	1168-1169	0.809	147-148	0.341		
970-971	1.757	1134-1135	0.73	52-121	3.733	1065-1066	0.041	897-898	0.114	907-908	0.006	480-481	0.181	76-77	0.713	1496-1497	0.34		
711-712	1.69	463-464	0.726	969-1052	3.551	1146-1147	0.033	1150-1151	0.063			738-739	0.174	70-71	0.675	661-662	0.332		
980-981	1.68	635-636	0.705	1144-1225	3.472			54-55	0.052			824-825	0.165	1415-1416	0.469	575-576	0.312		
1143-1144	1.649	1470-1471	0.668	883-970	3.322			725-726	0.048			133-134	0.137	1495-1496	0.265	747-748	0.312		
722-723	1.614	1060-1061	0.625	51-120	3.076			811-812	0.001			394-395	0.08	1497-1498	0.246	833-834	0.303		

累積塑性変形倍率 Ai-EW

Y18						Y19				Y20				Y21					
はり端		はりJ端		トラス		はり端		はりJ端		はり端		はりJ端		はり端		はりJ端		トラス	
1012-1013	2.036	1019-1020	1.408	1346-1264	3.04	255-256	2.176	1029-1030	1.164	263-264	1.972	1036-1037	0.915	276-277	5.053	537-538	2.706	1049-1130	8.229
1018-1019	2.015	1101-1102	1.204	1347-1265	2.567	1028-1029	2.119	515-516	1.115	523-524	1.637	259-260	0.658	1048-1049	4.092	623-624	2.625	967-1048	7.896
246-247	1.988	591-592	1.142	1758-1675	1.563	1110-1111	2.084	601-602	1.101	609-610	1.596	1118-1119	0.633	1130-1131	3.816	451-452	2.551	1050-1131	7.314
1100-1101	1.945	505-506	1.123	1345-1263	1.309	600-601	2.048	1111-1112	1.083	437-438	1.593	523-524	0.622	450-451	3.676	267-268	2.506	881-966	7.189
1094-1095	1.843	677-678	1.077			514-515	2.047	687-688	1.042	1031-1032	1.593	609-610	0.603	966-967	3.519	709-710	2.434	968-1049	7.161
498-499	1.822	763-764	1.008			508-509	2.024	945-946	0.979	1036-1037	1.586	437-438	0.536	622-623	3.44	365-366	2.375	1131-1212	7.126
584-585	1.818	419-420	0.982			594-595	2.001	773-774	0.972	1118-1119	1.539	695-696	0.523	708-709	3.299	1049-1050	2.295	882-967	6.666
590-591	1.809	849-850	0.963			1022-1023	1.996	429-430	0.968	953-954	1.42	781-782	0.438	536-537	3.172	277-278	2.283	1132-1213	6.062
934-935	1.789	1013-1014	0.932			944-945	1.959	859-860	0.909	695-696	1.407	351-352	0.437	880-881	3.137	795-796	2.179	452-537	5.289
676-677	1.762	242-243	0.928			428-429	1.952	251-252	0.873	1113-1114	1.334	1117-1118	0.434	794-795	3.13	1131-1132	2.026	538-623	5.24
504-505	1.748	935-936	0.906			1104-1105	1.895	343-344	0.786	518-519	1.295	263-264	0.386	526-527	2.643	1039-1040	1.919	624-709	5.137
670-671	1.733	1095-1096	0.858			686-687	1.894	509-510	0.75	781-782	1.295	867-868	0.38	266-267	2.616	881-882	1.897	1039-1122	5.021
412-413	1.681	499-500	0.856			680-681	1.888	595-596	0.718	604-605	1.239	518-519	0.372	440-441	2.6	194-195	1.891	623-708	4.992
418-419	1.663	585-586	0.856			422-423	1.887	1023-1024	0.714	867-868	1.236	432-433	0.37	114-115	2.451	967-968	1.884	366-451	4.987
762-763	1.649	671-672	0.803			772-773	1.805	256-257	0.713	432-433	1.213	1035-1036	0.361	183-184	2.439	1121-1122	1.829	537-622	4.966
756-757	1.646	413-414	0.799			766-767	1.767	423-424	0.687	346-347	1.136	604-605	0.312	354-355	2.438	441-442	1.721	451-536	4.889
848-849	1.619	333-334	0.797			858-859	1.759	1105-1106	0.662	690-691	1.112	952-953	0.311	612-613	2.39	527-528	1.608	709-794	4.868
842-843	1.584	929-930	0.762			938-939	1.758	681-682	0.6	351-352	1.101	1031-1032	0.276	537-538	2.27	613-614	1.595	710-795	4.784
928-929	1.557	757-758	0.7			336-337	1.67	939-940	0.579	108-109	1.064	953-954	0.274	623-624	2.212	957-958	1.478	795-880	4.784
326-327	1.478	843-844	0.64			852-853	1.664	767-768	0.512	259-260	1.015	608-609	0.255	1038-1039	2.11	699-700	1.455	957-1040	4.7
241-242	1.285	247-248	0.624			250-251	1.46	853-854	0.451	776-777	1.007	694-695	0.239	698-699	2.071	785-786	1.281	278-365	4.516
155-156	1.191	1099-1100	0.563			342-343	1.435	172-173	0.426	862-863	0.936	780-781	0.234	451-452	2.052	871-872	1.225	796-881	4.483
332-333	1.147	327-328	0.536			165-166	1.304	337-338	0.394	948-949	0.896	1113-1114	0.23	709-710	1.951	115-116	1.171	365-450	4.451
1428-1429	1.019	1017-1018	0.524			1192-1193	0.872	1109-1110	0.391	175-176	0.817	866-867	0.226	1120-1121	1.92	112-113	1.058	195-277	4.3
1592-1593	1.004	1183-1184	0.511			94-95	0.858	1027-1028	0.32	104-105	0.537	522-523	0.219	365-366	1.91	1048-1049	1.022	1121-1204	4.19
1176-1177	0.972	1428-1429	0.483			100-101	0.825	943-944	0.27	180-181	0.525	690-691	0.162	1039-1040	1.789	622-623	0.789	871-958	4.106
1510-1511	0.967	1592-1593	0.416			171-172	0.82	599-600	0.205	1200-1201	0.232	436-437	0.138	111-112	1.747	536-537	0.776	277-364	4.073
161-162	0.859	933-934	0.408			1186-1187	0.74	1193-1194	0.198	1032-1033	0.145	180-181	0.13	1049-1050	1.673	1203-1204	0.747	1374-1293	4.028
1182-1183	0.817	1510-1511	0.35			1024-1025	0.094	685-686	0.185	949-950	0.061	948-949	0.123	1212-1213	1.672	708-709	0.744	194-276	3.69
90-91	0.749	675-676	0.333			940-941	0.009	771-772	0.177	1114-1115	0.045	346-347	0.122	784-785	1.662	1539-1540	0.706	116-194	3.66
84-85	0.674	162-163	0.32					513-514	0.176	1195-1196	0.041	1199-1200	0.068	795-796	1.581	1457-1458	0.678	1038-1121	3.546
1429-1430	0.479	589-590	0.316					857-858	0.168			776-777	0.055	527-528	1.522	1129-1130	0.631	1213-1296	3.497
1509-1510	0.273	761-762	0.314					427-428	0.099			104-105	0.054	1121-1122	1.499	1047-1048	0.627	956-1039	3.311

累積塑性変形倍率 Elcentro-EW

Y14		Y17		Y18		Y21					
トラス		トラス		トラス		はりI端		はりJ端		トラス	
1052-1135	25.156	1247-1331	0.245	1262-1345	0.204	276-277	0.175	267-268	0.371	1121-1204	25.153
1062-1143	23.772									1131-1212	23.735
970-1053	18.719									1039-1122	18.715
980-1061	18.499									1049-1130	18.458
1805-1884	14.015									1872-1951	14.01
636-721	13.553									709-794	13.475
1884-1963	13.104									1951-2030	13.089
894-979	12.996									967-1048	12.952
722-807	12.67									795-880	12.624
884-971	12.551									957-1040	12.543
626-713	12.478									699-786	12.485
1804-1883	10.961									1871-1950	10.952
712-799	10.32									785-872	10.331
625-712	10.217									698-785	10.201
1885-1964	9.885									1952-2031	9.881
550-635	9.722									623-708	9.625
539-626	9.227									612-699	9.217
1628-1711	9.019									1697-1782	8.982
1063-1144	8.771									1132-1213	8.768
1051-1134	8.692									1120-1203	8.686
464-549	8.459									871-958	8.299
808-893	8.302									2031-2110	8.289
1964-2043	8.298									881-966	8.263
798-885	8.114									537-622	8.133
883-970	8.003									956-1039	8.017
969-1052	7.916									1038-1121	7.911
981-1062	7.875									1050-1131	7.867
1215-1300	7.521									1286-1369	7.537
1227-1310	7.045									1298-1379	7.075
45-118	6.886									526-613	6.485
453-540	6.505									2021-2102	6.386
1954-2035	6.417									1940-2021	6.295
1873-1954	6.287									538-623	6.219
465-550	6.219									710-795	6.146
637-722	6.157									1213-1296	6.037
52-121	6.107									116-194	5.986
1144-1225	6.032									1941-2022	5.913

累積塑性変形倍率 Kin-EW

Y14				Y16		Y18				Y21			
はりJ端		トラス		はりJ端		はりJ端		トラス		はりJ端		トラス	
118-119	0.27	52-121	97.509	476-477	0.186	242-243	0.173	1262-1345	0.369	267-268	1.149	116-194	95.235
46-47	0.022	809-894	83.13	390-391	0.17					441-442	0.476	882-967	82.968
		712-799	71.94	562-563	0.085					112-113	0.282	785-872	72.334
		368-455	65.811	304-305	0.034							441-528	64.279
		122-207	65.194	Y17								195-277	63.974
		46-119	65.053	トラス								699-786	63.943
		626-713	63.879	1247-1331	0.672							355-442	59.109
		282-369	59.124	Y19								440-527	53.951
		367-454	53.564	はりJ端								870-957	53.161
		797-884	52.243	251-252	0.28							354-441	50.408
		281-368	50.059	423-424	0.194							267-356	50.19
		196-282	49.423	509-510	0.175							266-355	48.235
		540-627	47.673	595-596	0.086							613-700	47.146
		197-283	47.538	Y20								39-112	42.377
		539-626	46.253	はりJ端								115-193	40.85
		1-46	42.146	259-260	0.042							451-536	39
		118-198	39.285									527-614	38.469
		454-541	38.448									612-699	38.254
		378-463	36.147									184-268	37.745
		722-807	34.371									795-880	33.918
		51-120	34.148									1298-1379	32.247
		711-798	33.323									194-276	32.073
		121-206	32.256									698-785	31.527
		1227-1310	32.143									526-613	31.478
		625-712	31.872									277-364	31.348
		453-540	31.035									784-871	30.815
		379-464	29.953									365-450	30.304
		636-721	28.886									537-622	30.134
		637-722	28.837									452-537	29.212
		464-549	27.897									710-795	28.587
		292-377	26.552									709-794	28.228
		208-292	24.757									278-365	22.624
		207-291	24.482									796-881	21.054
		723-808	22.469									1286-1369	20.81
		1215-1300	20.74									623-708	19.457
		465-550	19.826									538-623	19.35
		550-635	19.645									1697-1782	19.202

累積塑性変形倍率 Shuto-EW

Y14		Y21			
トラス		はりJ端		トラス	
798-885	8.554	267-268	0.077	871-958	8.561
808-893	7.926			881-966	7.942
1062-1143	7.498			1131-1212	7.501
894-979	7.118			967-1048	7.129
45-118	4.282			956-1039	4.262
883-970	4.26			1121-1204	4.239
1052-1135	4.241			1039-1122	4.014
970-1053	4.014			1941-2022	3.8
1874-1955	3.859			1049-1130	3.564
46-119	3.602			111-184	3.438
980-1061	3.566			2021-2102	3.375
1954-2035	3.441			1213-1296	3.351
1144-1225	3.335			112-185	3.187
117-197	3.084			1871-1950	3.122
1804-1883	3.084			183-267	3.052
1051-1134	3.043			1120-1203	3.046
884-971	3.012			957-1040	3.011
712-799	2.986			785-872	2.995
293-378	2.944			366-451	2.895
797-884	2.869			870-957	2.871
969-1052	2.862			451-536	2.863
636-721	2.799			1038-1121	2.863
378-463	2.798			709-794	2.828
1134-1217	2.78			1203-1288	2.778
118-198	2.742			699-786	2.747
52-121	2.738			116-194	2.684
626-713	2.731			184-268	2.674
379-464	2.564			365-450	2.636
292-377	2.532			537-622	2.559
464-549	2.511			452-537	2.522
1793-1874	2.489			1860-1941	2.494
1794-1875	2.458			267-356	2.456
1063-1144	2.432			355-442	2.439
196-282	2.427			1132-1213	2.439
281-368	2.408			1861-1942	2.414
282-369	2.391			527-614	2.392
454-541	2.367			354-441	2.386

累積塑性変形倍率 311 告-EW

Y14				Y16		Y21					
はりJ端		トラス		はりJ端		はりI端		はりJ端		トラス	
1052-1053	0.162	196-282	50.283	990-991	0.089	276-277	0.375	267-268	0.445	266-355	49.049
970-971	0.116	197-283	42.184	1072-1073	0.066			1121-1122	0.164	267-356	41.806
		626-713	40.519	906-907	0.011			1039-1040	0.12	699-786	40.57
		282-369	39.11	Y17						527-614	39.026
		454-541	39.075	トラス						184-268	36.377
		118-198	38.15	1247-1331	5.648					1121-1204	33.227
		453-540	33.27	1333-1250	1.238					526-613	33.074
		1052-1135	33.242	Y18						612-699	29.671
		539-626	29.803	トラス						1039-1122	29.06
		46-119	29.436	1262-1345	5.418					1131-1212	28.844
		970-1053	29.078	1347-1265	1.309					451-536	27.555
		1062-1143	28.788	Y19						1049-1130	27.416
		378-463	28.671	はりJ端						2021-2102	26.116
		980-1061	27.307	1023-1024	0.088					967-1048	25.648
		1954-2035	26.549	1105-1106	0.065					1289-1372	24.624
		894-979	25.592	939-940	0.01					698-785	23.897
		1218-1303	24.754							183-267	23.86
		625-712	23.98							1286-1369	23.74
		117-197	23.738							1298-1379	23.686
		1215-1300	23.689							441-528	22.769
		1227-1310	23.657							355-442	22.564
		368-455	23.288							957-1040	22.369
		884-971	22.556							785-872	22.323
		712-799	22.092							354-441	21.367
		281-368	21.508							881-966	21.043
		1874-1955	20.717							1941-2022	20.262
		808-893	20.558							1376-1295	19.323
		45-118	20.107							39-112	19.283
		1-46	19.369							2031-2110	18.9
		1307-1224	19.091							440-527	18.739
		367-454	18.904							784-871	18.6
		711-798	18.646							115-193	18.138
		1964-2043	18.634							1697-1782	17.251
		6-51	17.48							44-115	17.114
		1794-1875	17.449							1861-1942	16.936
		1628-1711	17.302							1707-1790	16.847
		1638-1719	16.769							111-184	15.681

累積塑性変形倍率 1M-NS

X2						X4						X8						X10					
はり端		はり端		トラス		はり端		はり端		トラス		はり端		はり端		トラス		はり端		はり端		トラス	
1022-1031	8.706	1022-1031	5.967	1080-1153	2.771	1147-1155	9.398	1147-1155	6.619	1106-1178	3.585	1151-1159	9.563	1151-1159	6.747	1110-1182	3.658	1030-1037	8.926	1030-1037	6.144	1087-1160	2.84
982-989	8.509	938-948	5.911	998-1071	2.58	1065-1073	9.316	1065-1073	6.561	1188-1261	3.461	1069-1077	9.485	1069-1077	6.691	1192-1266	3.518	1112-1119	8.853	946-954	6.096	1005-1078	2.651
1104-1113	8.486	852-862	5.844	1162-1235	2.576	1229-1237	9.304	1229-1237	6.526	1024-1096	3.23	1233-1241	9.439	1233-1241	6.63	1028-1100	3.304	988-996	8.741	1112-1119	6.059	749-826	2.626
1064-1071	8.332	1104-1113	5.77	742-819	2.547	983-991	9.199	983-991	6.482	356-433	3.032	987-995	9.37	987-995	6.614	944-1018	3.074	1070-1078	8.72	860-868	6.033	1169-1242	2.622
938-948	8.227	766-776	5.694	914-989	2.476	1272-1280	8.995	1188-1196	6.459	940-1014	3	1276-1284	9.028	1192-1200	6.511	364-437	3.071	946-954	8.451	774-782	5.884	921-996	2.551
852-862	8.212	982-989	5.603	656-733	2.42	1188-1196	8.959	1272-1280	6.442	768-844	2.955	1192-1200	9.017	1276-1284	6.469	772-848	3.027	903-912	8.443	988-996	5.793	319-396	2.518
897-905	8.212	1064-1071	5.481	312-389	2.414	1106-1114	8.826	1106-1114	6.333	442-519	2.851	1110-1118	8.891	1110-1118	6.391	450-523	2.878	860-868	8.442	1070-1078	5.787	663-740	2.502
811-819	8.155	1186-1195	5.398	570-647	2.372	898-907	8.718	898-907	6.253	268-347	2.78	902-911	8.888	902-911	6.385	686-762	2.839	817-826	8.386	1194-1201	5.655	405-482	2.458
766-776	7.999	897-905	5.299	398-475	2.359	1024-1032	8.675	1024-1032	6.211	682-758	2.767	1028-1036	8.744	1028-1036	6.272	858-934	2.832	1152-1160	8.331	903-912	5.489	577-654	2.456
1146-1153	7.965	680-690	5.243	828-905	2.338	812-821	8.559	812-821	6.125	854-930	2.761	816-825	8.728	816-825	6.256	276-351	2.822	1194-1201	8.263	817-826	5.43	835-912	2.412
1186-1195	7.938	811-819	5.241	484-561	2.273	726-735	8.332	726-735	5.936	596-672	2.637	730-739	8.499	730-739	6.065	600-676	2.707	774-782	8.231	688-696	5.429	491-568	2.36
725-733	7.895	1146-1153	5.135	227-303	2.173	1313-1321	8.203	940-949	5.933	786-863	2.598	1317-1325	8.317	944-953	5.996	193-263	2.628	731-740	8.12	1152-1160	5.422	234-310	2.271
1228-1235	7.557	725-733	5.057	141-218	1.909	940-949	8.156	854-863	5.761	528-605	2.597	944-953	8.228	858-867	5.827	536-609	2.609	1234-1242	7.884	731-740	5.241	148-225	2
1270-1279	7.457	1270-1279	4.913	1244-1319	1.583	854-863	7.964	1354-1362	5.643	185-260	2.58	858-867	8.037	1317-1325	5.712	794-867	2.6	1278-1285	7.725	1234-1242	5.141	1252-1326	1.576
680-690	7.439	1228-1235	4.886	295-367	1.309	1354-1362	7.896	1313-1321	5.623	614-691	2.574	1358-1366	7.903	1358-1366	5.654	622-695	2.58	688-696	7.665	1278-1285	5.119	301-379	1.487
639-647	7.321	594-604	4.806	210-281	1.305	768-777	7.693	768-777	5.537	700-777	2.554	772-781	7.771	772-781	5.606	708-781	2.558	645-654	7.535	602-610	4.985	216-293	1.466
594-604	6.903	639-647	4.618	381-453	1.158	640-649	7.518	640-649	5.38	1122-1196	2.54	644-653	7.676	644-653	5.503	1130-1200	2.545	602-610	7.121	645-654	4.793	387-465	1.335
553-561	6.789	508-518	4.339	1064-1133	1.147	554-563	7.106	554-563	5.043	1272-1344	2.458	558-567	7.257	558-567	5.161	428-504	2.529	559-568	6.992	516-524	4.511	1070-1145	1.264
1312-1319	6.457	553-561	4.215	725-797	1.101	682-691	6.901	682-691	4.94	510-586	2.457	686-695	6.975	686-695	5.008	514-590	2.528	1318-1326	6.744	559-568	4.381	731-809	1.258
508-518	6.29	1312-1319	4.093	124-196	1.044	1395-1403	6.825	596-605	4.606	424-500	2.452	1399-1407	6.951	472-481	4.714	1276-1348	2.472	1400-1408	6.548	1318-1326	4.315	130-208	1.187
1394-1401	6.208	1352-1361	3.848	1146-1215	1.036	1436-1444	6.706	468-477	4.599	338-414	2.366	1440-1448	6.726	600-609	4.674	342-418	2.444	516-524	6.499	1360-1367	4.006	473-551	1.173
1352-1361	6.2	467-475	3.768	467-539	1.007	468-477	6.533	1436-1444	4.561	1040-1114	2.307	472-481	6.677	1440-1448	4.581	1048-1118	2.309	1360-1367	6.409	473-482	3.926	645-723	1.129
467-475	6.182	422-432	3.726	982-1051	0.975	596-605	6.513	1395-1403	4.412	958-1032	2.246	600-609	6.588	1399-1407	4.51	966-1036	2.247	473-482	6.376	1400-1408	3.905	1152-1227	1.113
1434-1443	5.753	1394-1401	3.657	639-711	0.967	510-519	5.995	510-519	4.159	872-949	2.179	1745-1750	6.408	1750-1760	4.337	255-332	2.186	1482-1490	6.008	430-438	3.881	559-637	1.11
1476-1483	5.701	1171-1176	3.422	326-422	0.962	1518-1526	5.959	382-391	4.002	1204-1280	2.14	514-523	6.071	514-523	4.227	880-953	2.177	1442-1449	6	1482-1490	3.527	988-1063	1.11
422-432	5.48	1476-1483	3.302	1094-1186	0.952	1477-1485	5.958	1518-1526	3.988	252-328	2.112	1481-1489	6.069	386-395	4.11	1212-1284	2.134	430-438	5.672	1174-1184	3.501	334-430	1.039
381-389	5.406	1434-1443	3.268	553-625	0.944	382-391	5.808	1477-1485	3.727	1354-1426	1.873	1522-1530	5.961	1522-1530	4	1358-1430	1.91	387-396	5.586	1442-1449	3.445	1102-1194	1.005
1558-1565	5.284	1254-1259	3.232	241-336	0.924	1600-1608	5.448	1600-1608	3.602	1600-1672	1.841	386-395	5.946	1481-1489	3.813	1604-1676	1.898	1564-1572	5.559	387-396	3.306	248-344	0.996
1516-1525	5.17	1089-1094	3.188	897-969	0.848	1559-1567	5.33	424-433	3.588	167-243	1.797	1604-1612	5.455	428-437	3.656	171-246	1.861	1524-1531	5.378	1257-1268	3.296	903-981	0.996
1640-1647	4.862	1007-1012	3.18	1176-1270	0.843	424-433	5.293	1255-1261	3.455	1436-1508	1.75	1563-1571	5.435	1604-1612	3.609	1440-1512	1.797	1646-1654	5.094	1092-1102	3.269	420-516	0.905
1598-1607	4.685	381-389	3.16	412-508	0.831	1682-1690	5.111	1172-1178	3.401	1518-1590	1.65	428-437	5.374	1256-1266	3.476	1522-1594	1.7	1606-1613	4.856	1010-1020	3.264	817-895	0.903
336-346	4.682	923-928	3.082	1012-1104	0.807	1641-1649	4.904	1090-1096	3.308	1682-1755	1.515	1686-1694	5.068	1173-1182	3.433	1686-1760	1.537	344-352	4.854	1564-1572	3.19	1184-1278	0.877
295-303	4.614	336-346	3.042	155-250	0.792	296-305	4.868	1682-1690	3.308	1073-1164	1.28	300-309	4.991	300-309	3.35	1077-1168	1.307	301-310	4.78	344-352	3.178	1020-1112	0.862
1162-1171	4.438	1558-1565	2.99	756-852	0.769	1246-1255	4.534	296-305	3.253	1288-1362	1.258	1645-1653	4.991	1091-1100	3.343	1159-1251	1.27	1169-1174	4.504	926-936	3.167	163-257	0.856
1680-1689	4.327	1337-1342	2.966	811-883	0.75	1164-1172	4.452	1559-1567	3.244	1155-1246	1.256	1251-1256	4.559	1563-1571	3.329	1296-1366	1.226	1688-1695	4.453	1340-1350	3.011	764-860	0.828
1244-1254	4.225	837-842	2.826	1328-1401	0.725	338-347	4.43	1008-1014	3.166	113-176	1.065	342-351	4.5	1686-1694	3.302	114-180	1.097	1252-1257	4.274	1524-1531	2.972	506-602	0.758
1080-1089	4.173	1516-1525	2.825	498-594	0.693	1082-1090	4.348	1338-1344	3.091	283-382	1.035	1168-1173	4.491	1009-1018	3.203	995-1086	1.048	1087-1092	4.242	840-850	2.906	678-774	0.743

累積塑性変形倍率 Ai-NS

X2						X4						X8						X10					
はり端		はり端		トラス		はり端		はり端		トラス		はり端		はり端		トラス		はり端		はり端		トラス	
1022-1031	7.979	1022-1031	5.362	1080-1153	2.544	1229-1237	9.084	1229-1237	6.35	1106-1178	3.178	1233-1241	9.189	1233-1241	6.432	1110-1182	3.231	1070-1078	8.146	1030-1037	5.475	1087-1160	2.594
982-989	7.933	938-948	5.258	1162-1235	2.403	1147-1155	9.032	1147-1155	6.327	1188-1261	3.149	1151-1159	9.158	1151-1159	6.425	1192-1266	3.192	1112-1119	8.134	1112-1119	5.456	1169-1242	2.437
1104-1113	7.857	1104-1113	5.239	998-1071	2.316	1065-1073	8.817	1272-1280	6.29	1024-1096	2.779	1069-1077	8.947	1276-1284	6.304	1028-1100	2.831	1030-1037	8.117	946-954	5.378	1005-1078	2.368
1064-1071	7.84	852-862	5.159	742-819	2.257	1272-1280	8.791	1188-1196	6.194	356-433	2.727	1276-1284	8.804	1069-1077	6.265	364-437	2.753	988-996	8.091	1070-1078	5.331	749-826	2.316
1146-1153	7.612	982-989	5.149	914-989	2.203	1188-1196	8.627	1065-1073	6.165	442-519	2.549	987-995	8.746	1192-1200	6.224	944-1018	2.587	1152-1160	7.9	860-868	5.284	921-996	2.257
897-905	7.581	1064-1071	5.092	656-733	2.13	983-991	8.614	983-991	6.019	940-1014	2.535	1192-1200	8.661	987-995	6.12	450-523	2.568	903-912	7.741	988-996	5.28	319-396	2.199
811-819	7.484	766-776	4.996	312-389	2.129	1106-1114	8.356	1106-1114	5.963	268-347	2.508	1110-1118	8.397	1110-1118	5.999	276-351	2.54	1194-1201	7.719	1194-1201	5.182	663-740	2.193
1186-1195	7.474	1186-1195	4.99	570-647	2.089	1313-1321	8.196	1024-1032	5.773	768-844	2.481	1317-1325	8.287	902-911	5.843	772-848	2.532	817-826	7.646	774-782	5.125	577-654	2.155
938-948	7.455	1146-1153	4.851	398-475	2.085	1024-1032	8.121	898-907	5.741	185-260	2.379	902-911	8.213	1028-1036	5.812	193-263	2.415	1234-1242	7.606	1152-1160	5.076	405-482	2.154
852-862	7.396	897-905	4.807	828-905	2.06	898-907	8.082	1354-1362	5.655	682-758	2.306	1028-1036	8.164	1317-1325	5.684	686-762	2.358	946-954	7.599	903-912	4.939	835-912	2.115
1228-1235	7.347	811-819	4.721	484-561	1.998	1354-1362	7.923	1313-1321	5.613	1272-1344	2.306	1745-1750	8.069	816-825	5.681	858-934	2.343	860-868	7.547	1234-1242	4.912	491-568	2.065
725-733	7.21	1228-1235	4.711	227-303	1.906	812-821	7.882	812-821	5.58	854-930	2.294	816-825	8.012	1750-1760	5.671	1276-1348	2.321	731-740	7.37	817-826	4.853	234-310	1.977
766-776	7.167	1270-1279	4.649	141-218	1.712	726-735	7.631	940-949	5.444	528-605	2.287	1358-1366	7.921	1358-1366	5.658	536-609	2.299	1278-1285	7.368	1278-1285	4.803	148-225	1.778
1270-1279	7.165	680-690	4.558	1244-1319	1.508	940-949	7.56	726-735	5.372	1122-1196	2.277	730-739	7.76	944-953	5.486	1130-1200	2.282	774-782	7.323	688-696	4.687	1252-1326	1.506
639-647	6.652	725-733	4.525	210-281	0.969	854-863	7.322	854-863	5.237	786-863	2.258	944-953	7.605	730-739	5.472	794-867	2.262	645-654	6.806	731-740	4.656	216-293	1.075
680-690	6.623	594-604	4.153	295-367	0.928	1395-1403	7.091	768-777	4.991	614-691	2.248	858-867	7.369	858-867	5.281	622-695	2.256	688-696	6.778	602-610	4.28	301-379	1.043
1312-1319	6.45	639-647	4.097	1656-1729	0.917	768-777	7.023	640-649	4.825	700-777	2.218	1399-1407	7.187	772-781	5.038	600-676	2.247	1318-1326	6.676	1318-1326	4.257	1663-1736	0.897
1394-1401	6.397	1312-1319	4.083	1574-1647	0.858	1436-1444	6.98	1436-1444	4.769	596-672	2.195	772-781	7.074	644-653	4.92	708-781	2.224	1400-1408	6.676	645-654	4.224	387-465	0.894
1352-1361	6.166	1352-1361	3.798	124-196	0.789	640-649	6.834	1395-1403	4.61	424-500	2.059	1440-1448	6.983	1440-1448	4.776	428-504	2.111	1482-1490	6.327	1400-1408	3.995	130-208	0.882
553-561	6.143	1394-1401	3.792	381-453	0.776	554-563	6.435	554-563	4.5	510-586	2.045	644-653	6.957	1399-1407	4.686	514-590	2.097	1360-1367	6.322	1360-1367	3.914	1581-1654	0.861
594-604	6.12	508-518	3.734	1064-1133	0.771	1477-1485	6.408	682-691	4.4	1600-1672	2.032	558-567	6.552	558-567	4.592	1604-1676	2.094	559-568	6.293	516-524	3.856	1070-1145	0.855
1476-1483	6.074	553-561	3.716	1094-1186	0.756	1518-1526	6.393	1518-1526	4.322	1040-1114	1.999	1481-1489	6.493	686-695	4.447	342-418	2.033	602-610	6.272	559-568	3.837	1102-1194	0.795
1434-1443	5.938	1171-1176	3.588	1328-1401	0.751	682-691	6.244	1600-1608	4.094	338-414	1.981	1522-1530	6.381	1522-1530	4.323	1048-1118	2.002	1442-1449	6.134	1482-1490	3.753	334-430	0.794
1558-1565	5.86	1476-1483	3.569	326-422	0.742	1600-1608	6.08	468-477	4.083	1204-1280	1.957	686-695	6.295	472-481	4.17	1212-1284	1.954	1564-1572	6.089	1174-1184	3.647	731-809	0.788
1640-1647	5.657	1254-1259	3.48	241-336	0.72	1559-1567	5.997	596-605	4.077	958-1032	1.923	1563-1571	6.077	1481-1489	4.13	966-1036	1.924	1646-1654	5.855	1564-1572	3.564	248-344	0.773
467-475	5.58	1558-1565	3.398	1146-1215	0.716	1682-1690	5.972	1477-1485	4.066	872-949	1.85	1604-1612	6.074	600-609	4.125	1358-1430	1.878	1524-1531	5.727	1257-1268	3.529	1152-1227	0.772
508-518	5.563	1434-1443	3.39	1176-1270	0.684	468-477	5.895	1682-1690	3.984	1354-1426	1.843	472-481	6.004	1604-1612	4.091	880-953	1.85	473-482	5.721	1442-1449	3.529	1335-1408	0.761
1516-1525	5.56	1337-1342	3.319	725-797	0.676	596-605	5.865	1559-1567	3.743	1682-1755	1.781	1686-1694	5.919	1686-1694	3.971	1440-1512	1.824	516-524	5.708	1646-1654	3.425	473-551	0.733
1598-1607	5.291	467-475	3.303	155-250	0.645	1641-1649	5.828	1255-1261	3.687	1436-1508	1.78	600-609	5.918	1563-1571	3.809	255-332	1.822	1606-1613	5.431	473-482	3.417	1184-1278	0.709
1680-1689	5.184	1089-1094	3.291	1410-1483	0.64	510-519	5.378	510-519	3.656	252-328	1.769	1645-1653	5.896	514-523	3.702	1686-1760	1.813	1688-1695	5.294	1092-1102	3.352	163-257	0.692
381-389	4.854	1640-1647	3.28	412-508	0.618	382-391	5.209	1641-1649	3.602	1518-1590	1.734	514-523	5.43	1256-1266	3.699	1522-1594	1.785	387-396	4.982	1340-1350	3.35	420-516	0.67
422-432	4.823	1007-1012	3.237	467-539	0.615	1766-1774	5.166	1172-1178	3.567	167-243	1.534	386-395	5.31	1645-1653	3.641	171-246	1.58	430-438	4.957	1010-1020	3.3	988-1063	0.665
1722-1729	4.77	1665-1670	3.21	1012-1104	0.584	1723-1731	4.88	382-391	3.516	1288-1362	1.204	1770-1778	5.175	386-395	3.596	1770-1841	1.194	1728-1736	4.901	430-438	3.288	645-723	0.657
1162-1171	4.631	1583-1588	3.204	982-1051	0.568	1246-1255	4.816	1338-1344	3.423	1766-1837	1.148	1727-1735	4.929	1173-1182	3.586	1296-1366	1.184	1169-1174	4.674	1586-1596	3.242	1417-1490	0.652
1244-1254	4.513	1501-1506	3.189	1492-1565	0.565	1846-1854	4.785	1090-1096	3.406	1155-1246	1.033	1251-1256	4.83	1091-1100	3.429	1159-1251	1.044	1252-1257	4.543	1668-1678	3.24	559-637	0.648
1656-1665	4.363	422-432	3.176	70-132	0.547	424-433	4.711	1766-1774	3.325	113-176	1.012	428-437	4.761	1339-1348	3.427	114-180	1.035	1663-1668	4.37	1504-1514	3.23	1020-1112	0.625
1574-1583	4.351	1419-1424	3.149	639-711	0.54	1164-1172	4.659	1008-1014	3.222	1073-1164	0.987	1850-1858	4.712	1770-1778	3.301	1077-1168	1.007	1581-1586	4.366	1524-1531	3.215	77-139	0.58

累積塑性変形倍率 Elcentro-NS

X2						X4						X8						X10					
はり端	はり端	トラス				はり端	はり端	トラス				はり端	はり端	トラス				はり端	はり端	トラス			
1738-1748	2.854	1748-1753	2.376	1670-1764	7.105	1807-1815	4.424	1846-1854	4.036	1682-1755	15.922	1745-1750	9.143	1750-1760	8.585	1686-1760	16.811	1746-1751	2.863	1751-1762	2.376	1678-1772	7.19
1822-1831	2.589	1764-1773	2.191	241-336	5.511	1846-1854	4.349	1766-1774	3.728	1649-1740	10.654	1811-1819	4.317	1850-1858	4.131	1653-1745	10.961	1829-1834	2.581	1772-1779	2.258	248-344	5.497
2062-2071	2.437	1722-1729	2.172	326-422	4.312	1723-1731	4.089	1807-1815	3.331	1237-1330	9.87	1850-1858	4.298	1770-1778	3.824	1241-1334	10.396	1728-1736	2.501	1728-1736	2.167	334-430	4.293
1902-1911	2.412	1831-1836	2.106	1656-1729	4.234	1766-1774	4.039	1723-1731	3.152	1321-1412	9.008	1770-1778	4.296	1727-1735	3.176	1325-1416	9.519	2069-2074	2.418	1834-1843	2.121	1663-1736	4.1
1722-1729	2.327	1806-1813	2.005	124-196	3.389	1926-1934	3.239	1926-1934	2.794	1629-1723	8.243	1727-1735	4.004	1811-1819	3.098	1604-1676	8.634	1909-1914	2.399	1852-1859	2.066	130-208	3.459
1764-1773	2.098	1845-1853	1.997	1689-1780	3.265	1887-1895	3.105	1832-1837	2.503	1600-1672	7.523	1930-1938	3.381	1930-1938	2.923	1637-1727	8.268	1772-1779	2.186	1812-1820	2.007	1695-1792	3.25
1982-1991	2.09	1911-1916	1.927	155-250	3.221	1682-1690	2.936	1682-1690	2.436	1155-1246	7.435	1828-1833	3.152	1833-1841	2.762	1159-1251	7.805	1812-1820	2.134	1914-1923	1.938	216-293	3.232
1656-1665	2.011	2071-2076	1.89	210-281	3.159	1824-1832	2.9	1912-1917	2.382	1698-1774	6.513	1891-1899	2.984	1686-1694	2.502	1706-1778	6.605	1989-1994	2.075	2074-2083	1.893	163-257	3.219
1806-1813	1.933	1886-1893	1.816	295-367	3.056	1904-1912	2.796	1887-1895	2.343	283-382	6.046	1686-1694	2.889	1891-1899	2.292	291-386	6.077	1663-1668	2.017	1688-1695	1.835	301-379	3.159
1845-1853	1.711	1680-1689	1.771	1753-1845	2.908	1641-1649	2.745	2072-2077	2.236	768-844	5.77	1645-1653	2.648	1913-1921	2.178	772-848	5.827	1852-1859	1.816	1892-1900	1.807	1762-1852	2.954
1640-1647	1.472	1925-1933	1.75	227-303	2.792	2064-2072	2.607	1992-1997	2.189	134-229	5.516	1908-1913	2.605	2073-2081	2.177	1770-1841	5.734	1892-1900	1.637	1932-1939	1.801	234-310	2.726
1886-1893	1.444	1640-1647	1.732	412-508	2.699	1984-1992	2.595	1641-1649	2.139	1106-1178	5.278	1988-1993	2.562	1993-2001	2.15	138-233	5.506	1646-1654	1.613	1646-1654	1.714	420-516	2.665
2142-2151	1.418	1665-1670	1.649	141-218	2.584	2006-2014	2.354	1967-1975	1.875	1188-1261	5.163	2068-2073	2.561	1645-1653	2.022	1110-1182	5.307	1932-1939	1.411	1668-1678	1.656	1843-1932	2.625
1925-1933	1.324	1991-1996	1.62	1836-1925	2.559	1740-1749	2.311	1749-1755	1.873	1766-1837	5.006	2010-2018	2.387	2010-2018	1.936	1192-1266	5.204	2149-2154	1.401	1994-2003	1.624	148-225	2.533
1680-1689	1.158	1966-1973	1.483	570-647	2.518	1967-1975	2.079	2006-2014	1.841	1731-1824	4.864	1971-1979	1.997	1971-1979	1.849	1735-1828	5.085	1688-1695	1.237	1972-1980	1.454	577-654	2.487
295-303	1.052	2005-2013	1.395	175-266	2.4	2144-2152	1.826	2047-2055	1.545	220-314	4.689	2148-2153	1.802	2051-2059	1.531	1358-1430	4.715	301-310	1.118	2012-2019	1.428	181-278	2.413
467-475	0.982	2151-2156	1.275	1588-1680	2.201	2086-2094	1.569	2152-2157	1.476	1354-1426	4.571	2090-2098	1.624	2090-2098	1.487	224-318	4.7	473-482	1.083	2154-2163	1.274	1596-1688	2.225
381-389	0.963	2046-2053	1.138	312-389	2.007	2224-2232	1.326	2086-2094	1.39	596-672	4.412	1662-1667	1.326	2153-2161	1.433	600-676	4.453	387-396	1.047	2092-2099	1.135	749-826	1.992
1966-1973	0.793	2085-2093	1.109	742-819	1.973	2047-2055	1.28	1666-1672	1.227	510-586	4.291	2228-2233	1.312	1667-1676	1.257	1819-1908	4.4	1972-1980	0.969	2052-2060	1.107	1923-2012	1.971
210-218	0.753	1583-1588	0.941	656-733	1.924	1658-1666	1.203	2232-2237	1.152	305-400	4.286	2051-2059	1.199	1604-1612	1.172	309-404	4.351	731-740	0.837	1586-1596	0.949	319-396	1.954
2222-2231	0.751	2231-2236	0.938	1916-2005	1.896	424-433	0.824	1600-1608	1.119	1815-1904	4.276	428-437	0.814	2233-2241	1.104	514-590	4.333	216-225	0.807	2234-2243	0.942	663-740	1.916
2005-2013	0.739	1598-1607	0.873	259-354	1.886	510-519	0.781	1559-1567	1.088	185-260	4.134	514-523	0.769	1563-1571	1.084	995-1086	4.247	2012-2019	0.804	1606-1613	0.927	264-366	1.897
725-733	0.731	2311-2316	0.686	398-475	1.844	1600-1608	0.665	2127-2135	1.03	682-758	4.098	1604-1612	0.691	2131-2139	1.015	739-834	4.22	817-826	0.757	2314-2323	0.685	405-482	1.834
1574-1583	0.678	1501-1506	0.618	498-594	1.58	382-391	0.658	1255-1261	0.834	991-1082	4.045	772-781	0.622	2170-2178	0.847	1850-1921	4.21	559-568	0.743	1504-1514	0.624	506-602	1.552
553-561	0.644	1558-1565	0.598	484-561	1.528	768-777	0.647	2381-2386	0.781	735-830	4.024	1251-1256	0.61	1256-1266	0.81	193-263	4.14	2229-2234	0.733	2383-2388	0.597	491-568	1.488
811-819	0.643	508-518	0.517	346-440	1.374	338-347	0.616	1229-1237	0.754	1567-1658	3.969	342-351	0.606	2382-2387	0.774	686-762	4.135	645-654	0.713	516-524	0.535	387-465	1.424
639-647	0.615	2380-2385	0.501	381-453	1.317	1246-1255	0.598	1584-1590	0.743	268-347	3.966	386-395	0.593	1233-1241	0.762	1571-1662	4.029	1581-1586	0.679	1564-1572	0.524	352-452	1.384
336-346	0.601	336-346	0.497	584-680	1.266	854-863	0.58	2166-2174	0.73	854-930	3.925	2377-2382	0.593	1585-1594	0.698	276-351	3.993	344-352	0.588	344-352	0.51	592-688	1.247
422-432	0.514	422-432	0.479	828-905	1.146	2376-2381	0.548	2312-2317	0.669	1024-1096	3.825	858-867	0.553	2313-2321	0.651	858-934	3.984	2052-2060	0.521	430-438	0.494	835-912	1.203
250-259	0.484	2165-2173	0.454	1996-2085	0.99	296-305	0.542	1477-1485	0.611	369-468	3.814	300-309	0.509	1481-1489	0.601	825-920	3.957	430-438	0.5	1174-1184	0.459	2003-2092	1.076
508-518	0.467	1171-1176	0.452	914-989	0.945	726-735	0.531	1338-1344	0.608	1895-1984	3.675	2170-2178	0.47	1317-1325	0.594	1489-1580	3.854	903-912	0.489	2172-2179	0.458	921-996	1.016
124-132	0.434	2126-2133	0.446	70-132	0.876	1024-1032	0.488	1313-1321	0.581	1485-1576	3.648	730-739	0.467	1339-1348	0.586	1028-1100	3.85	257-264	0.479	257-264	0.433	1102-1194	0.923
897-905	0.37	250-259	0.417	1094-1186	0.865	2166-2174	0.482	424-433	0.562	821-916	3.644	1028-1036	0.458	428-437	0.578	377-472	3.832	130-139	0.456	602-610	0.429	77-139	0.843
766-776	0.359	594-604	0.411	1738-1813	0.834	468-477	0.475	510-519	0.544	1846-1917	3.641	129-138	0.44	1276-1284	0.571	1899-1988	3.814	516-524	0.452	1422-1432	0.398	1746-1820	0.762
2046-2053	0.324	295-303	0.393	1574-1647	0.637	125-134	0.461	1272-1280	0.535	391-486	3.521	171-180	0.426	514-523	0.562	395-490	3.602	988-996	0.389	2132-2140	0.393	1087-1160	0.699
2085-2093	0.309	1419-1424	0.391	1822-1893	0.631	596-605	0.444	1518-1526	0.504	1073-1164	3.512	600-609	0.422	1522-1530	0.554	1077-1168	3.589	2092-2099	0.374	301-310	0.374	1005-1078	0.683
165-175	0.293	467-475	0.346	1640-1709	0.615	167-176	0.435	1172-1178	0.491	940-1014	3.429	472-481	0.407	342-351	0.498	1407-1498	3.54	774-782	0.333	1257-1268	0.348	1581-1654	0.655

累積塑性変形倍率 Kin-NS

X2						X4						X8						X10					
はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス
1162-1171	1.927	1171-1176	1.931	227-303	20.307	1246-1255	2.927	1255-1261	2.719	268-347	52.761	1745-1750	4.068	1750-1760	4.067	276-351	53.043	1169-1174	1.834	1174-1184	1.88	234-310	19.689
914-923	1.672	923-928	1.613	312-389	20.156	1164-1172	2.222	1172-1178	2.147	356-433	50.111	1251-1256	2.925	1256-1266	2.686	364-437	50.412	921-926	1.58	926-936	1.563	319-396	19.425
828-837	1.425	1007-1012	1.401	398-475	13.39	1082-1090	2.146	1338-1344	2.089	1354-1426	37.291	1168-1173	2.227	1173-1182	2.121	1358-1430	38.397	835-840	1.336	1010-1020	1.349	405-482	12.726
998-1007	1.26	837-842	1.373	326-422	12.834	1330-1338	2.08	1090-1096	2.052	442-519	34.198	1086-1091	2.161	1339-1348	2.052	450-523	34.447	1005-1010	1.167	840-850	1.33	334-430	12.608
742-751	1.114	1089-1094	1.3	241-336	12.779	1000-1008	2.046	1008-1014	1.914	768-844	30.728	1334-1339	2.066	1091-1100	2.03	1653-1745	33.857	749-754	1.029	1092-1102	1.251	248-344	12.52
1080-1089	1.051	1254-1259	1.204	1656-1729	9.737	916-924	1.869	1229-1237	1.75	1272-1344	30.539	1004-1009	2.058	1009-1018	1.897	1276-1348	31.199	1087-1092	0.96	1257-1268	1.153	1663-1736	9.514
1244-1254	0.796	751-756	1.111	756-852	7.057	830-838	1.713	924-930	1.736	338-414	27.473	920-925	1.885	925-934	1.721	772-848	31.129	1252-1257	0.704	754-764	1.071	764-860	7.041
656-665	0.417	1337-1342	0.629	742-819	6.069	744-752	1.316	838-844	1.558	424-500	26.434	834-839	1.732	1233-1241	1.666	342-418	27.949	559-568	0.456	774-782	0.599	749-826	6.125
1410-1419	0.414	665-670	0.61	412-508	5.813	1272-1280	1.051	1272-1280	1.441	252-328	25.6	748-753	1.337	839-848	1.546	428-504	26.891	731-740	0.442	1340-1350	0.595	420-516	5.728
553-561	0.372	1419-1424	0.606	484-561	5.596	1229-1237	1.016	752-758	1.241	1649-1740	25.08	1276-1284	1.087	1276-1284	1.508	255-332	26.118	1646-1654	0.433	668-678	0.579	491-568	5.172
1492-1501	0.367	766-776	0.582	584-680	4.292	658-666	0.657	983-991	1.086	596-672	24.837	1233-1241	0.942	753-762	1.231	600-676	25.266	473-482	0.428	860-868	0.568	130-208	4.502
467-475	0.355	852-862	0.552	124-196	4.139	1682-1690	0.643	1065-1073	1.022	167-243	24.609	662-667	0.684	987-995	1.048	171-246	24.87	645-654	0.421	1422-1432	0.566	592-688	4.251
1328-1337	0.354	1501-1506	0.499	670-766	4.13	1024-1032	0.64	1147-1155	1.001	682-758	23.935	1028-1036	0.644	1069-1077	0.984	686-762	24.334	1417-1422	0.352	688-696	0.51	678-774	4.101
725-733	0.342	680-690	0.493	1094-1186	3.535	1846-1854	0.627	1024-1032	0.884	113-176	22.576	1770-1778	0.605	1151-1159	0.961	114-180	22.839	663-668	0.347	602-610	0.508	1102-1194	3.557
1574-1583	0.336	594-604	0.492	498-594	3.477	768-777	0.575	1106-1114	0.793	1024-1096	22.307	1686-1694	0.591	1028-1036	0.924	1028-1100	22.589	817-826	0.329	516-524	0.486	506-602	3.409
639-647	0.328	508-518	0.471	928-1022	3.21	1766-1774	0.559	1420-1426	0.782	1682-1755	21.961	772-781	0.569	1110-1118	0.836	377-472	21.967	1499-1504	0.325	1504-1514	0.47	936-1030	3.214
1640-1647	0.322	1022-1031	0.444	570-647	3.137	1412-1420	0.532	666-672	0.77	369-468	21.4	1850-1858	0.569	1192-1200	0.806	138-233	21.83	387-396	0.317	1030-1037	0.458	1020-1112	2.95
1656-1665	0.277	938-948	0.419	1012-1104	2.939	1494-1502	0.503	1188-1196	0.757	940-1014	20.759	1416-1421	0.54	667-676	0.763	944-1018	21.013	1335-1340	0.31	946-954	0.434	850-946	2.929
295-303	0.254	1583-1588	0.403	842-938	2.929	1576-1584	0.448	1502-1508	0.75	735-830	20.455	1498-1503	0.514	1421-1430	0.725	739-834	20.748	301-310	0.305	430-438	0.376	835-912	2.864
381-389	0.252	422-432	0.363	141-218	2.598	726-735	0.431	726-735	0.726	47-125	19.045	1580-1585	0.411	772-781	0.714	1686-1760	19.865	1728-1736	0.3	1586-1596	0.373	577-654	2.847
1738-1748	0.251	579-584	0.358	914-989	2.548	1354-1362	0.421	1584-1590	0.71	510-586	18.726	1358-1366	0.405	1503-1512	0.7	50-129	19.632	1581-1586	0.293	582-592	0.328	921-996	2.747
811-819	0.223	336-346	0.306	1176-1270	2.444	854-863	0.391	812-821	0.693	854-930	18.564	858-867	0.382	730-739	0.692	514-590	19.077	1663-1668	0.239	344-352	0.318	148-225	2.571
570-579	0.197	1104-1113	0.267	1080-1153	2.271	1188-1196	0.376	768-777	0.684	1436-1508	17.927	1110-1118	0.37	816-825	0.665	858-934	18.811	1746-1751	0.235	1112-1119	0.306	1184-1278	2.471
1722-1729	0.184	1665-1670	0.232	1574-1647	2.081	1641-1649	0.376	898-907	0.657	134-229	17.272	514-523	0.361	902-911	0.662	1440-1512	18.64	577-582	0.167	1668-1678	0.221	1169-1242	2.421
1822-1831	0.127	725-733	0.218	210-281	2.043	510-519	0.369	854-863	0.624	198-296	16.537	1192-1200	0.357	858-867	0.659	206-300	17.568	216-225	0.154	731-740	0.18	1087-1160	2.293
210-218	0.11	811-819	0.185	175-266	1.877	1106-1114	0.361	1313-1321	0.618	649-744	14.96	1645-1653	0.351	1317-1325	0.617	653-748	15.307	1564-1572	0.105	496-506	0.16	216-293	2.158
484-493	0.025	982-989	0.171	656-733	1.707	596-605	0.351	940-949	0.531	528-605	14.731	600-609	0.337	1585-1594	0.57	291-386	15.174	1829-1834	0.098	817-826	0.142	1581-1654	1.954
		493-498	0.164	1162-1235	1.095	468-477	0.324	468-477	0.497	1698-1774	14.654	1727-1735	0.3	944-953	0.562	536-609	14.909	903-912	0.09	257-264	0.141	181-278	1.948
		250-259	0.125	828-905	1.065	1723-1731	0.316	554-563	0.493	283-382	14.205	1604-1612	0.299	514-523	0.507	1489-1580	14.688	1812-1820	0.082	988-996	0.111	663-740	1.685
		467-475	0.123	295-367	0.905	1600-1608	0.312	510-519	0.489	563-658	13.207	730-739	0.298	600-609	0.501	1706-1778	14.604	988-996	0.019	473-482	0.099	301-379	1.029
		553-561	0.119	1259-1352	0.826	983-991	0.294	596-605	0.48	821-916	13.129	1828-1833	0.288	472-481	0.498	825-920	13.527	130-139	0.002	559-568	0.09	1268-1360	0.86
		639-647	0.114	998-1071	0.724	382-391	0.287	640-649	0.408	907-1000	12.64	472-481	0.282	558-567	0.494	567-662	13.521			645-654	0.081	1005-1078	0.727
		407-412	0.081	259-354	0.195	554-563	0.275	424-433	0.4	305-400	12.42	1662-1667	0.27	428-437	0.416	911-1004	13.018			410-420	0.076	264-366	0.261
		1748-1753	0.052			1807-1815	0.275	682-691	0.385	1485-1576	12.008	428-437	0.255	644-653	0.409	309-404	12.452			1751-1762	0.053	1646-1721	0.102
		381-389	0.03			1147-1155	0.27	382-391	0.377	220-314	11.438	987-995	0.255	686-695	0.408	1077-1168	11.542			1194-1201	0.011	1252-1326	0.032
		295-303	0.015			424-433	0.267	580-586	0.348	1073-1164	11.339	386-395	0.247	386-395	0.38	224-318	11.488			387-396	0.009		

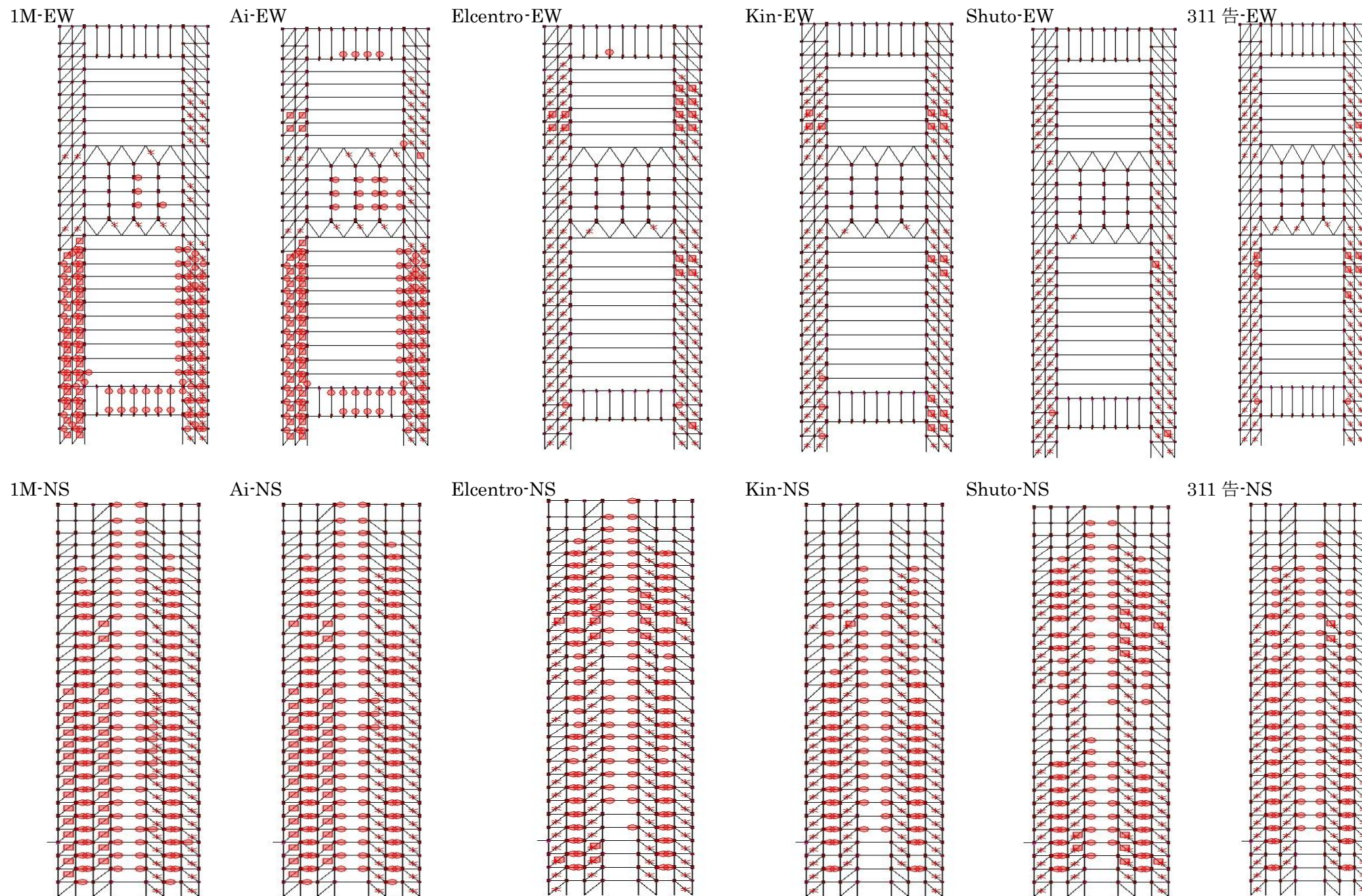
累積塑性変形倍率 Shuto-NS

X2						X4						X8						X10					
はり端		はりJ端		トラス		はり端		はりJ端		トラス		はり端		はりJ端		トラス		はり端		はりJ端		トラス	
295-303	4.154	336-346	4.864	155-250	7.883	1807-1815	3.037	1766-1774	4.348	1649-1740	10.13	1745-1750	7.021	1750-1760	8.034	1653-1745	10.53	301-310	4.335	344-352	4.873	163-257	7.88
381-389	3.123	422-432	3.903	141-218	6.673	1723-1731	3.024	1846-1854	4.22	1682-1755	8.787	1770-1778	3.241	1770-1778	4.518	1686-1760	9.196	387-396	3.35	430-438	3.912	148-225	6.6
210-218	3.101	250-259	3.787	241-336	6.316	296-305	2.936	1807-1815	3.897	185-260	8.587	1727-1735	2.919	1850-1858	4.424	193-263	8.589	216-225	3.203	257-264	3.799	248-344	6.31
336-346	2.772	295-303	3.226	227-303	6.089	1846-1854	2.881	1723-1731	3.817	119-211	7.495	1811-1819	2.898	1727-1735	3.918	120-215	7.462	344-352	2.757	301-310	3.331	234-310	6.009
467-475	2.294	508-518	2.993	312-389	5.386	1766-1774	2.836	1682-1690	3.759	220-314	7.315	300-309	2.838	1686-1694	3.882	224-318	7.328	473-482	2.542	516-524	3.003	334-430	5.324
250-259	2.159	1748-1753	2.734	326-422	5.329	382-391	2.781	296-305	3.45	268-347	7.011	1850-1858	2.816	1811-1819	3.544	276-351	7.006	257-264	2.153	1751-1762	2.736	319-396	5.304
1738-1748	2.115	210-218	2.51	1670-1764	5.064	338-347	2.755	338-347	3.413	198-296	6.865	342-351	2.758	342-351	3.418	206-300	6.829	1746-1751	2.122	216-225	2.566	1678-1772	5.138
422-432	1.984	381-389	2.344	124-196	4.113	424-433	2.725	382-391	3.376	134-229	6.825	428-437	2.708	300-309	3.341	138-233	6.781	430-438	1.965	387-396	2.438	130-208	4.142
1656-1665	1.711	1665-1670	2.316	175-266	4.096	1682-1690	2.435	1641-1649	3.344	1629-1723	6.196	386-395	2.665	428-437	3.336	1637-1727	6.204	1663-1668	1.728	1728-1736	2.431	181-278	4.094
1822-1831	1.656	1831-1836	2.263	412-508	3.883	1641-1649	2.424	424-433	3.332	356-433	5.929	1686-1694	2.408	386-395	3.245	364-437	5.92	1829-1834	1.663	1668-1678	2.312	420-516	3.894
508-518	1.432	1722-1729	2.208	210-281	3.573	1926-1934	2.056	1832-1837	2.516	167-243	5.804	1645-1653	2.345	1645-1653	3.121	171-246	5.815	1728-1736	1.629	1834-1843	2.257	216-293	3.597
1722-1729	1.429	594-604	2.2	259-354	3.553	1824-1832	1.933	468-477	2.456	283-382	5.625	1828-1833	2.119	1833-1841	2.696	291-386	5.608	1772-1779	1.465	602-610	2.214	264-366	3.556
1764-1773	1.421	1764-1773	1.973	1656-1729	3.415	1887-1895	1.926	510-519	2.359	252-328	5.589	1930-1938	2.107	514-523	2.363	255-332	5.604	516-524	1.413	1772-1779	2.079	1663-1736	3.285
2062-2071	1.383	1911-1916	1.884	1689-1780	2.662	468-477	1.821	1912-1917	2.304	1698-1774	5.281	1891-1899	1.856	472-481	2.36	1706-1778	5.306	559-568	1.373	1646-1654	2.073	1695-1792	2.644
1902-1911	1.357	1640-1647	1.878	84-165	2.634	510-519	1.813	1749-1755	2.266	305-400	4.963	514-523	1.797	1930-1938	2.351	309-404	4.985	1812-1820	1.366	1914-1923	1.886	92-173	2.623
124-132	1.279	467-475	1.797	398-475	2.538	1904-1912	1.746	1926-1934	2.146	338-414	4.952	472-481	1.727	1913-1921	2.151	342-418	4.967	2069-2074	1.349	473-482	1.872	1596-1688	2.502
553-561	1.262	2071-2076	1.639	1588-1680	2.458	125-134	1.736	1887-1895	2.135	1567-1658	4.202	129-138	1.688	1891-1899	2.023	1571-1662	4.588	130-139	1.329	1688-1695	1.678	405-482	2.496
1982-1991	1.163	1680-1689	1.563	346-440	2.371	211-220	1.712	1992-1997	2.025	391-486	3.793	215-224	1.652	1993-2001	1.97	1735-1828	3.829	1909-1914	1.328	2074-2083	1.64	352-452	2.378
1806-1813	1.147	1583-1588	1.394	484-561	2.04	1740-1749	1.68	2072-2077	1.959	1731-1824	3.51	1908-1913	1.582	2073-2081	1.877	395-490	3.716	1852-1859	1.193	1586-1596	1.395	491-568	2.017
1845-1853	1.123	1991-1996	1.363	1753-1845	1.871	252-260	1.522	167-176	1.843	1518-1590	3.345	2010-2018	1.558	171-180	1.848	1522-1594	3.574	1989-1994	1.131	1994-2003	1.366	1762-1852	1.927
594-604	1.002	680-690	1.302	295-367	1.725	2006-2014	1.519	252-260	1.825	1600-1672	3.272	255-263	1.515	255-263	1.834	1604-1676	3.536	1646-1654	1.016	1812-1820	1.323	301-379	1.761
2142-2151	0.848	165-175	1.293	381-453	1.724	1984-1992	1.503	211-220	1.737	1073-1164	3.22	1988-1993	1.468	1667-1676	1.708	1077-1168	3.449	602-610	0.983	688-696	1.317	387-465	1.745
639-647	0.847	553-561	1.09	498-594	1.557	2064-2072	1.441	554-563	1.683	369-468	3.197	2068-2073	1.433	215-224	1.67	911-1004	3.218	645-654	0.929	173-181	1.298	506-602	1.554
1574-1583	0.841	1806-1813	1.085	584-680	1.545	167-176	1.418	1666-1672	1.619	907-1000	2.987	171-180	1.407	558-567	1.605	377-472	3.139	1688-1695	0.864	559-568	1.119	592-688	1.545
1640-1647	0.84	1845-1853	0.993	570-647	1.479	554-563	1.263	125-134	1.584	510-586	2.942	558-567	1.196	129-138	1.531	1770-1841	2.98	1581-1586	0.855	1852-1859	1.032	577-654	1.491
1680-1689	0.824	766-776	0.898	70-132	1.307	1967-1975	1.249	596-605	1.292	1155-1246	2.805	1662-1667	1.168	1604-1612	1.313	1159-1251	2.976	2149-2154	0.809	774-782	0.913	77-139	1.278
165-175	0.789	1501-1506	0.856	670-766	1.223	1658-1666	1.081	1600-1608	1.204	424-500	2.69	1971-1979	1.151	600-609	1.301	514-590	2.97	1892-1900	0.797	1504-1514	0.846	678-774	1.226
680-690	0.715	1886-1893	0.793	756-852	1.054	2144-2152	0.983	1584-1590	1.083	1766-1837	2.626	2148-2153	0.982	2153-2161	0.975	1819-1908	2.738	173-181	0.78	1606-1613	0.768	764-860	1.058
725-733	0.655	124-132	0.744	656-733	0.992	2086-2094	0.873	2152-2157	1.041	596-672	2.611	2090-2098	0.862	1585-1594	0.974	428-504	2.696	731-740	0.75	130-139	0.751	663-740	1.016
1886-1893	0.598	1598-1607	0.73	1836-1925	0.96	596-605	0.871	1559-1567	0.984	614-691	2.578	600-609	0.852	1971-1979	0.943	1407-1498	2.658	688-696	0.695	1892-1900	0.751	1843-1932	0.987
1925-1933	0.597	1925-1933	0.702	432-526	0.945	2224-2232	0.7	1967-1975	0.965	1547-1641	2.538	2228-2233	0.702	1563-1571	0.938	600-676	2.637	1932-1939	0.648	1932-1939	0.721	438-538	0.955
766-776	0.529	2151-2156	0.565	742-819	0.86	640-649	0.692	2047-2055	0.728	1403-1494	2.529	644-653	0.65	2010-2018	0.831	622-695	2.589	1972-1980	0.536	2154-2163	0.568	749-826	0.893
2222-2231	0.417	1558-1565	0.486	467-539	0.782	726-735	0.603	640-649	0.69	1815-1904	2.481	730-739	0.559	2051-2059	0.704	1555-1645	2.573	774-782	0.509	1564-1572	0.483	473-551	0.803
398-407	0.399	639-647	0.448	1822-1893	0.747	1576-1584	0.532	2006-2014	0.688	442-519	2.327	404-409	0.471	1522-1530	0.665	825-920	2.51	817-826	0.459	645-654	0.469	109-195	0.77
1966-1973	0.361	1419-1424	0.424	104-183	0.739	682-691	0.492	1477-1485	0.664	528-605	2.237	686-695	0.471	644-653	0.646	1325-1416	2.352	2052-2060	0.401	1422-1432	0.427	1829-1900	0.734
811-819	0.355	852-862	0.392	1738-1813	0.703	768-777	0.487	726-735	0.643	1846-1917	2.235	772-781	0.466	1481-1489	0.642	450-523	2.324	2229-2234	0.376	1524-1531	0.426	1746-1820	0.702
2005-2013	0.338	1516-1525	0.392	1574-1647	0.506	400-408	0.456	1518-1526	0.625	1321-1412	2.232	1580-1585	0.436	730-739	0.597	1850-1921	2.275	405-410	0.374	860-868	0.408	559-637	0.51

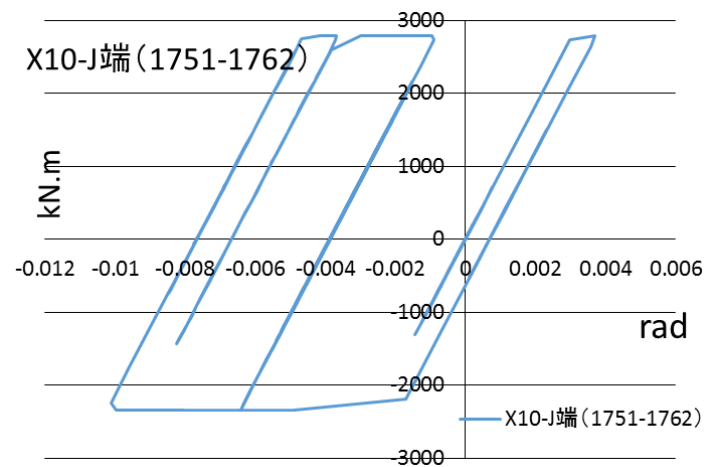
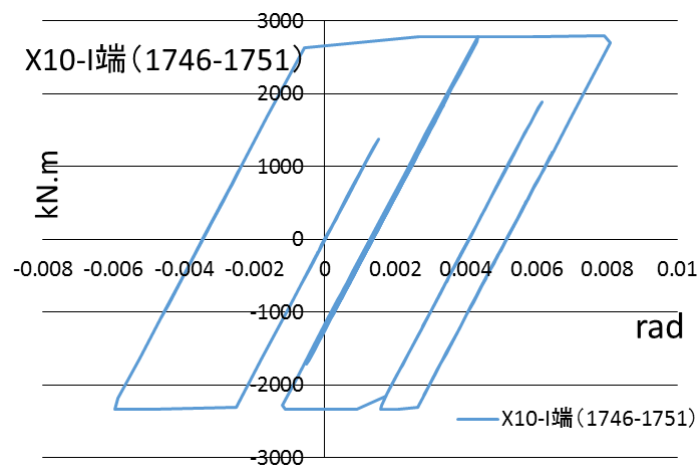
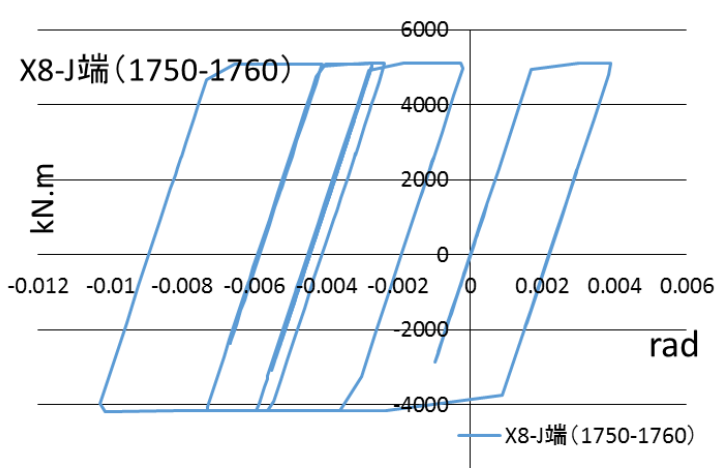
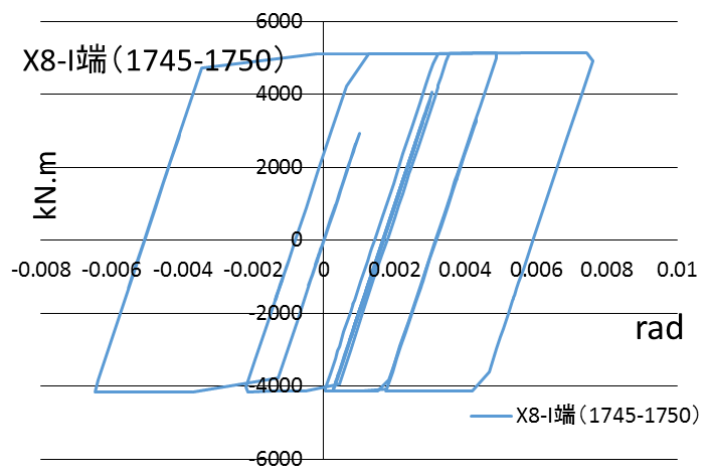
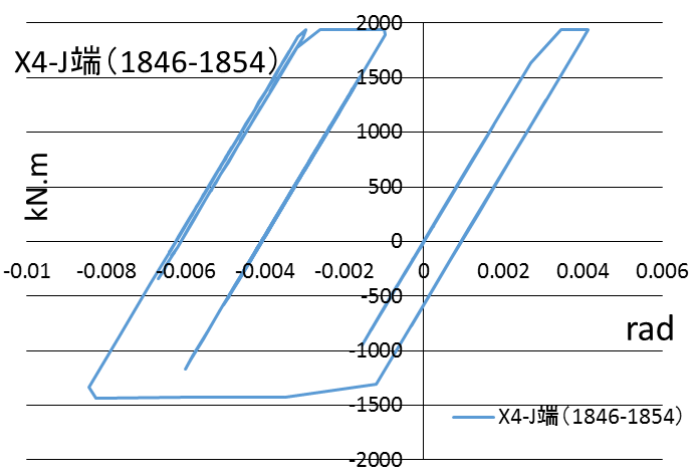
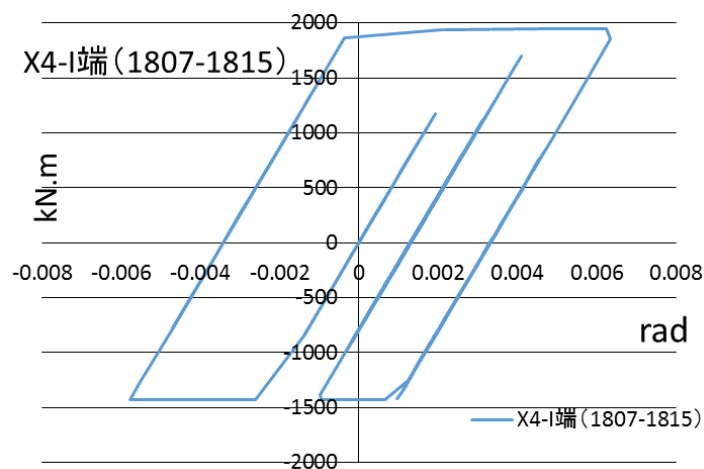
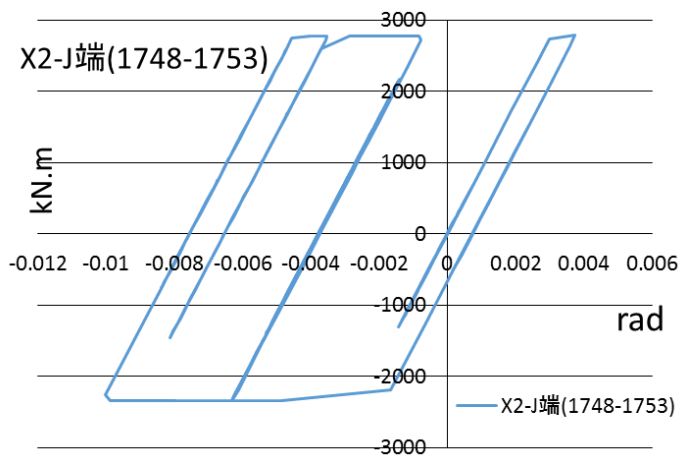
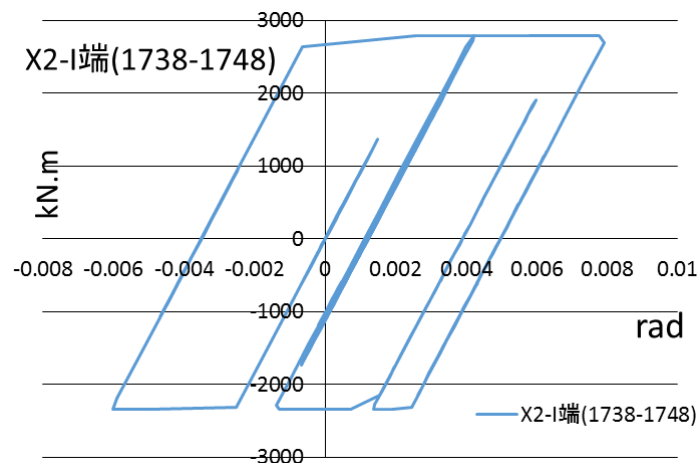
累積塑性変形倍率 311 告-NS

X2						X4						X8						X10					
はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス	はり端	はり端	トラス
1162-1171	3.226	1171-1176	3.587	155-250	8.311	1246-1255	5.041	1255-1261	5.279	1073-1164	37.951	1745-1750	6.596	1750-1760	7.611	1077-1168	39.644	1169-1174	3.081	1174-1184	3.456	163-257	8.184
914-923	2.304	923-928	2.599	326-422	6.936	1164-1172	3.585	1172-1178	4.117	1155-1246	32.979	1251-1256	4.985	1256-1266	5.215	1159-1251	34.612	921-926	2.167	926-936	2.477	334-430	6.821
998-1007	1.757	1254-1259	1.926	241-336	6.639	1330-1338	3.554	1338-1344	3.948	991-1082	24.555	1168-1173	3.566	1173-1182	4.063	1241-1334	27.84	1005-1010	1.616	1257-1268	1.878	248-344	6.523
828-837	1.706	1007-1012	1.921	1094-1186	6.4	1082-1090	3.344	1090-1096	3.846	907-1000	20.917	1334-1339	3.463	1339-1348	3.867	995-1086	25.905	835-840	1.58	840-850	1.798	1102-1194	6.473
1080-1089	1.549	837-842	1.911	1670-1764	5.511	1000-1008	3.034	1008-1014	3.482	1237-1330	20.695	1086-1091	3.341	1091-1100	3.8	911-1004	22.013	1087-1092	1.401	1010-1020	1.792	1678-1772	5.594
1244-1254	1.42	1089-1094	1.686	1176-1270	4.605	916-924	2.583	924-930	2.94	1682-1755	18.528	1004-1009	3.042	1009-1018	3.447	825-920	17.826	1252-1257	1.395	1092-1102	1.602	1184-1278	4.69
742-751	1.148	1501-1506	1.491	756-852	4.512	1272-1280	2.421	1272-1280	2.935	821-916	16.936	920-925	2.596	1276-1284	3.016	206-300	17.14	749-754	1.039	1504-1514	1.457	764-860	4.497
1328-1337	0.934	1419-1424	1.481	928-1022	4.445	830-838	2.152	1229-1237	2.687	1485-1576	15.074	1276-1284	2.453	925-934	2.916	1489-1580	16.224	1335-1340	0.913	1422-1432	1.448	936-1030	4.46
1492-1501	0.898	1337-1342	1.433	312-389	4.231	1229-1237	1.966	838-844	2.42	735-830	14.849	834-839	2.173	1233-1241	2.578	739-834	15.343	1499-1504	0.893	1340-1350	1.413	319-396	4.087
1410-1419	0.892	1583-1588	1.38	412-508	4.092	744-752	1.435	1354-1362	1.843	1403-1494	14.842	1233-1241	1.884	839-848	2.406	1407-1498	15.141	1417-1422	0.889	1586-1596	1.366	1020-1112	4.012
1574-1583	0.8	1665-1670	1.261	1012-1104	3.967	1188-1196	1.141	1313-1321	1.743	1321-1412	14.094	748-753	1.46	1358-1366	1.899	1325-1416	14.741	1581-1586	0.811	1668-1678	1.248	420-516	3.998
1656-1665	0.667	751-756	1.225	141-218	3.907	1576-1584	1.097	1188-1196	1.711	1436-1508	13.265	1192-1200	1.14	1192-1200	1.76	1440-1512	14.478	1663-1668	0.679	754-764	1.125	850-946	3.864
467-475	0.575	1748-1753	0.97	842-938	3.872	1313-1321	1.015	1584-1590	1.64	1354-1426	12.362	1317-1325	0.967	1317-1325	1.693	1358-1430	13.139	559-568	0.66	1751-1762	0.971	148-225	3.845
553-561	0.566	1680-1689	0.791	227-303	3.698	1494-1502	0.988	1147-1155	1.631	369-468	12.05	1110-1118	0.964	1151-1159	1.587	377-472	12.459	473-482	0.657	1688-1695	0.829	234-310	3.601
639-647	0.484	1831-1836	0.722	398-475	2.953	1106-1114	0.964	1502-1508	1.575	356-433	11.864	1498-1503	0.95	753-762	1.535	364-437	12.057	645-654	0.588	1834-1843	0.722	1268-1360	2.881
725-733	0.47	1764-1773	0.689	1259-1352	2.852	1024-1032	0.938	752-758	1.541	268-347	11.505	1028-1036	0.938	1503-1512	1.516	276-351	11.644	731-740	0.581	1772-1779	0.714	405-482	2.848
381-389	0.468	1434-1443	0.634	584-680	2.469	1412-1420	0.921	1420-1426	1.524	563-658	11.149	1580-1585	0.887	1421-1430	1.461	567-662	11.485	387-396	0.536	1442-1449	0.686	592-688	2.432
656-665	0.455	1911-1916	0.572	670-766	2.391	1147-1155	0.851	1106-1114	1.294	134-229	10.989	1416-1421	0.847	1585-1594	1.458	653-748	11.394	301-310	0.469	1606-1613	0.597	678-774	2.366
295-303	0.415	1598-1607	0.556	175-266	1.933	1354-1362	0.778	1065-1073	1.266	649-744	10.972	1358-1366	0.829	1110-1118	1.339	138-233	11.067	817-826	0.448	1524-1531	0.596	181-278	1.996
1738-1748	0.381	1516-1525	0.55	498-594	1.768	768-777	0.725	1666-1672	1.115	47-125	10.714	1151-1159	0.808	1833-1841	1.288	50-129	11.063	663-668	0.402	1914-1923	0.568	749-826	1.735
811-819	0.33	2071-2076	0.533	570-647	1.713	510-519	0.689	1832-1837	1.045	1649-1740	10.538	1828-1833	0.768	1069-1077	1.228	1653-1745	10.432	1746-1751	0.379	1278-1285	0.561	577-654	1.721
570-579	0.235	1270-1279	0.519	742-819	1.679	596-605	0.644	1807-1815	1.038	442-519	10.097	772-781	0.716	1667-1676	1.152	450-523	10.187	216-225	0.272	1112-1119	0.539	506-602	1.716
210-218	0.231	1104-1113	0.492	484-561	1.66	468-477	0.63	1024-1032	1.033	119-211	9.104	514-523	0.676	1028-1036	1.076	1686-1760	10.066	903-912	0.194	2074-2083	0.534	491-568	1.656
508-518	0.206	766-776	0.479	1588-1680	1.617	658-666	0.628	1641-1649	1.031	220-314	8.88	662-667	0.655	987-995	1.012	120-215	9.736	516-524	0.187	1194-1201	0.509	1596-1688	1.654
594-604	0.171	1022-1031	0.479	656-733	1.421	1658-1666	0.58	1395-1403	1.018	768-844	8.599	1662-1667	0.634	1399-1407	1.009	224-318	8.984	577-582	0.186	1030-1037	0.501	663-740	1.453
1822-1831	0.117	665-670	0.465	1689-1780	1.031	854-863	0.558	983-991	1.005	391-486	8.325	600-609	0.63	1727-1735	1.005	1522-1594	8.959	602-610	0.15	774-782	0.499	1695-1792	0.999
422-432	0.116	1186-1195	0.464	259-354	0.758	554-563	0.523	1749-1755	0.986	305-400	8.296	472-481	0.552	1645-1653	0.984	291-386	8.871	1829-1834	0.142	1852-1859	0.469	264-366	0.817
336-346	0.108	1845-1853	0.448	828-905	0.709	1824-1832	0.52	1723-1731	0.978	713-812	8.256	858-867	0.541	1811-1819	0.977	772-848	8.666	988-996	0.111	668-678	0.46	835-912	0.79
680-690	0.086	1640-1647	0.447	1342-1434	0.66	726-735	0.497	1436-1444	0.909	283-382	7.998	558-567	0.439	1440-1448	0.963	395-490	8.559	130-139	0.099	860-868	0.436	1350-1442	0.689
766-776	0.085	1991-1996	0.433	1424-1516	0.424	382-391	0.467	1477-1485	0.866	477-572	7.951	386-395	0.427	1686-1694	0.873	721-816	8.473	430-438	0.099	1994-2003	0.435	921-996	0.485
897-905	0.074	1722-1729	0.422	914-989	0.38	1065-1073	0.448	1682-1690	0.814	1518-1590	7.746	1069-1077	0.412	1770-1778	0.859	309-404	8.463	344-352	0.094	602-610	0.434	1432-1524	0.455
124-132	0.072	594-604	0.416	1753-1845	0.348	424-433	0.425	1766-1774	0.779	596-672	6.943	428-437	0.409	1481-1489	0.847	481-576	8.253	688-696	0.064	688-696	0.421	1762-1852	0.405
484-493	0.064	852-862	0.414	346-440	0.307	940-949	0.412	1559-1567	0.772	1629-1723	6.921	730-739	0.402	1850-1858	0.789	600-676	7.032	774-782	0.062	1646-1654	0.419	1087-1160	0.374
398-407	0.01	680-690	0.402	124-196	0.232	682-691	0.392	1518-1526	0.715	682-758	6.824	944-953	0.394	1522-1530	0.772	1637-1727	6.971	491-496	0.035	516-524	0.408	352-452	0.33
		508-518	0.391	1080-1153	0.231	1740-1749	0.39	1846-1854	0.704	198-296	6.371	686-695	0.372	1563-1571	0.764	686-762	6.905	1909-1914	0.014	1728-1736	0.395	130-208	0.261
		579-584	0.357	1506-1598	0.09	983-991	0.355	898-907	0.66	455-554	6.112	300-309	0.25	1604-1612	0.678	463-558	6.36			582-592	0.351	1514-1606	0.121
		938-948	0.299			296-305	0.286	1912-1917	0.654	1024-1096	6.099	576-581	0.244	902-911	0.668	1028-1100	6.163			946-954	0.321	1005-1078	0.036

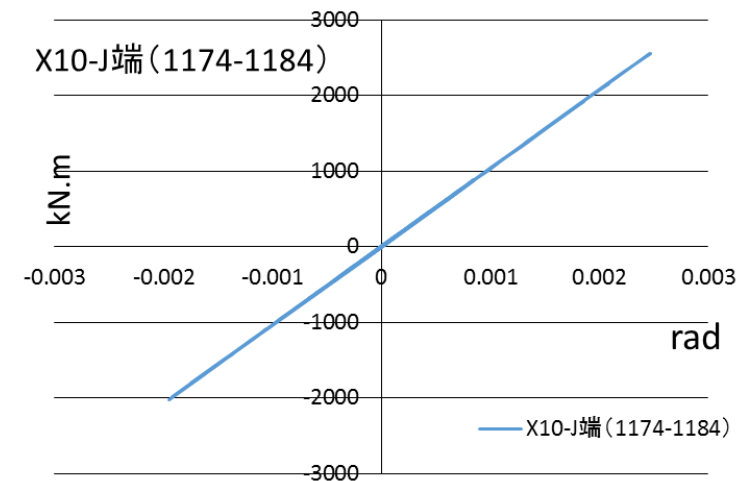
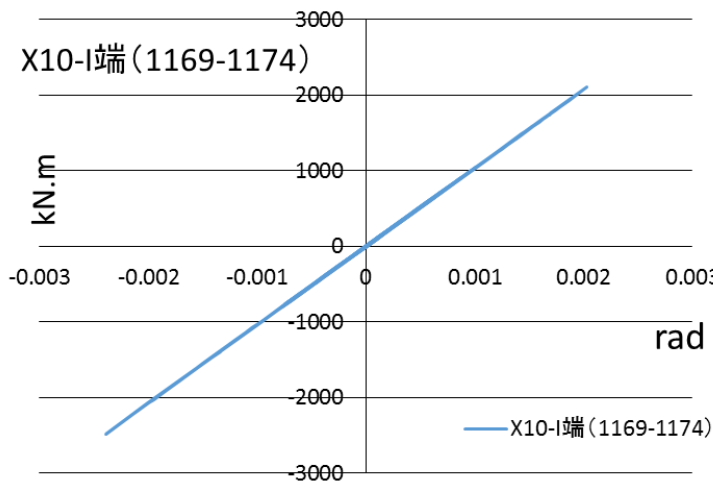
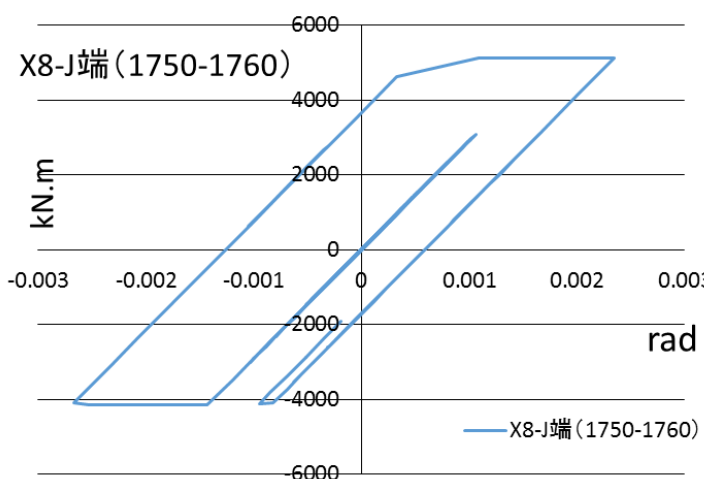
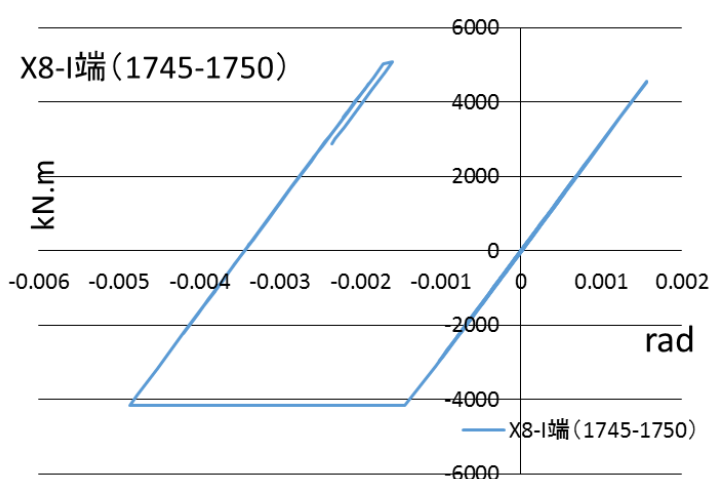
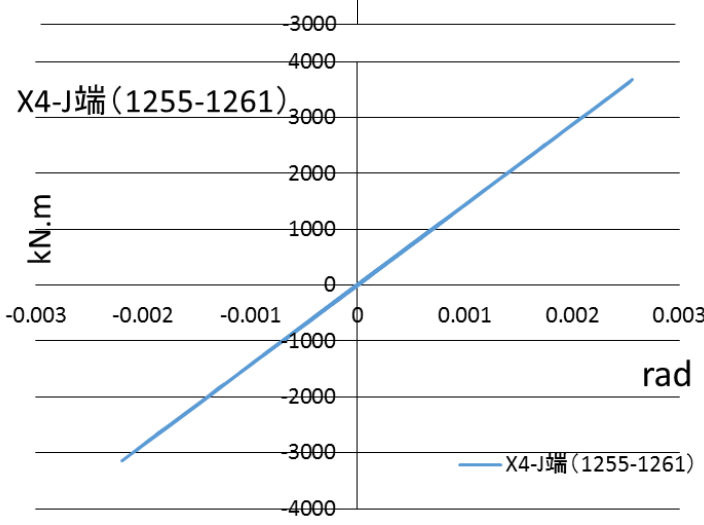
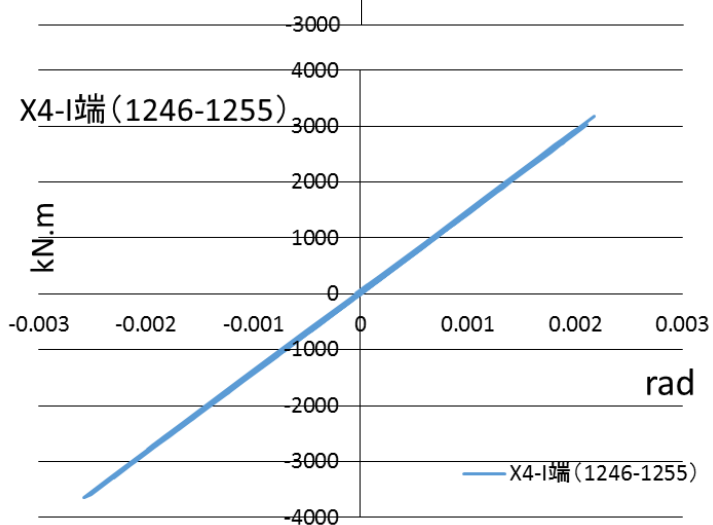
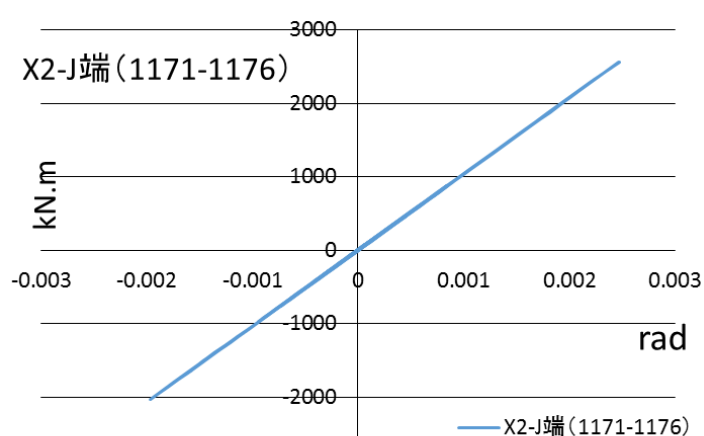
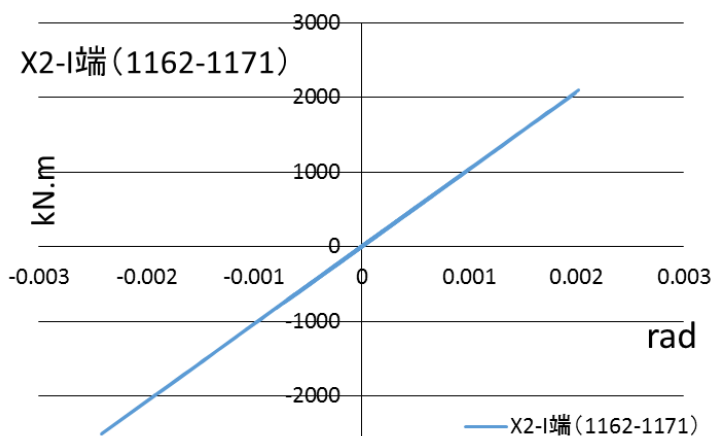
塑性ヒンジ図 EW(Y21),NS(X8)



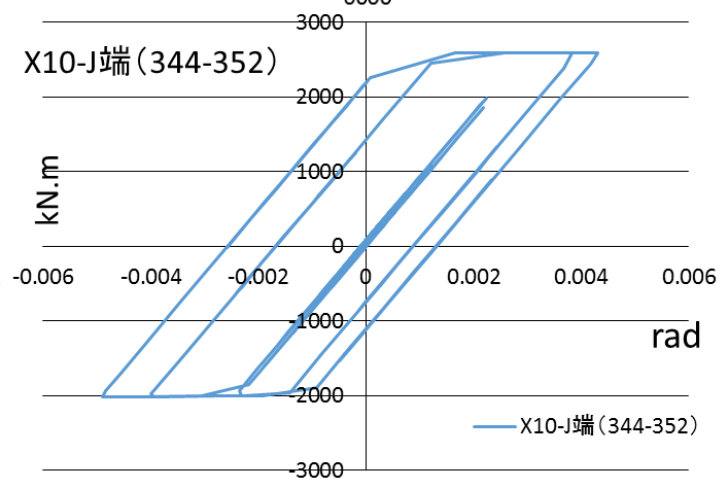
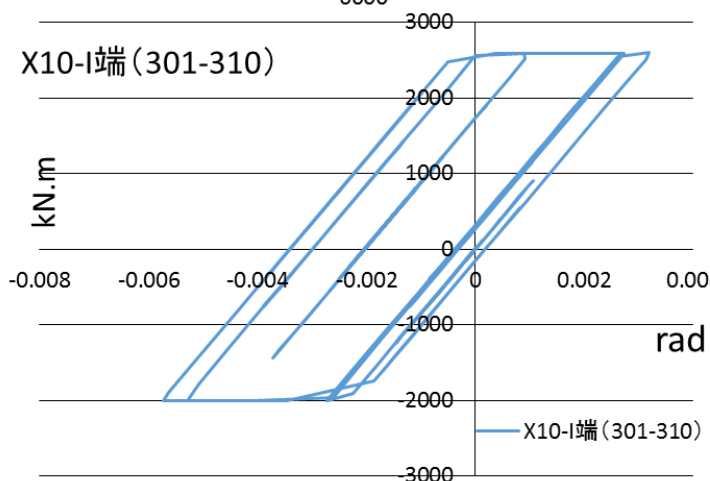
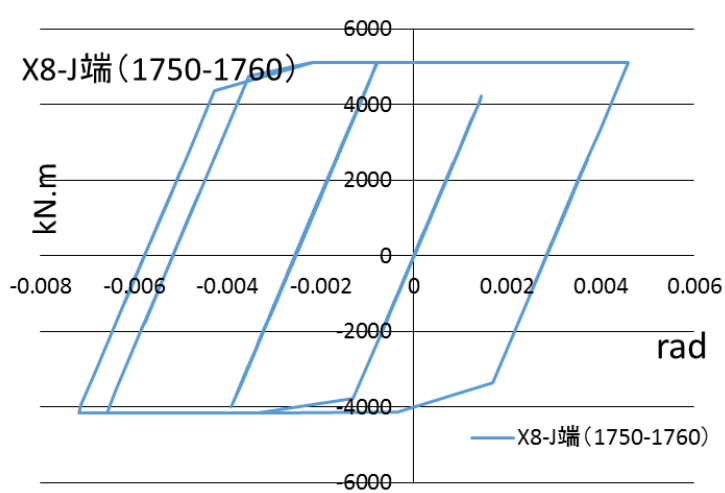
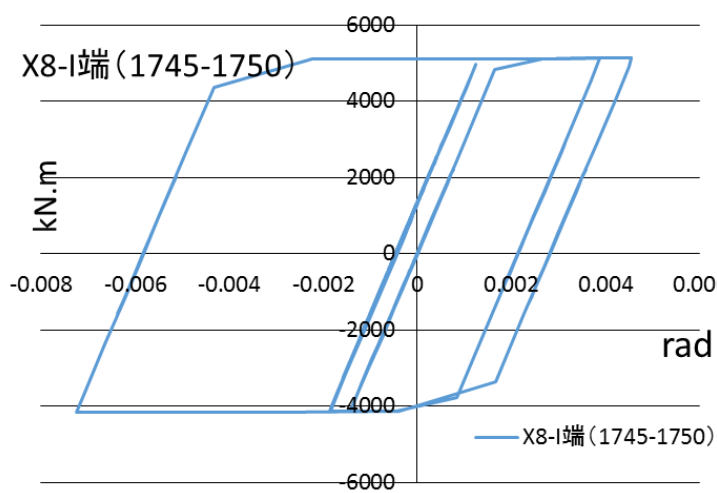
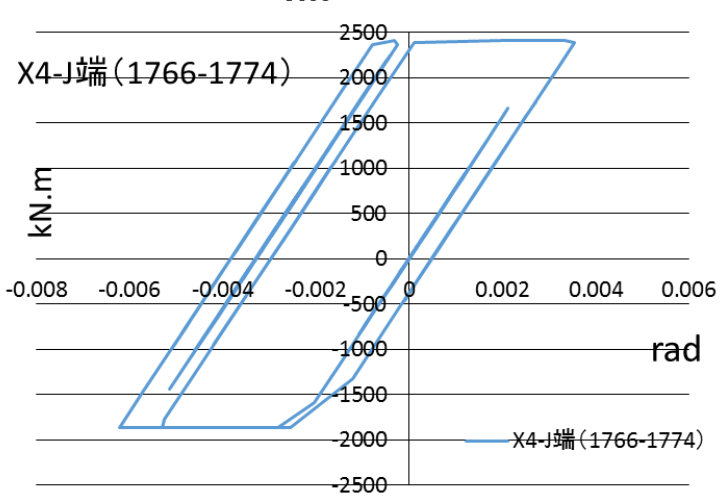
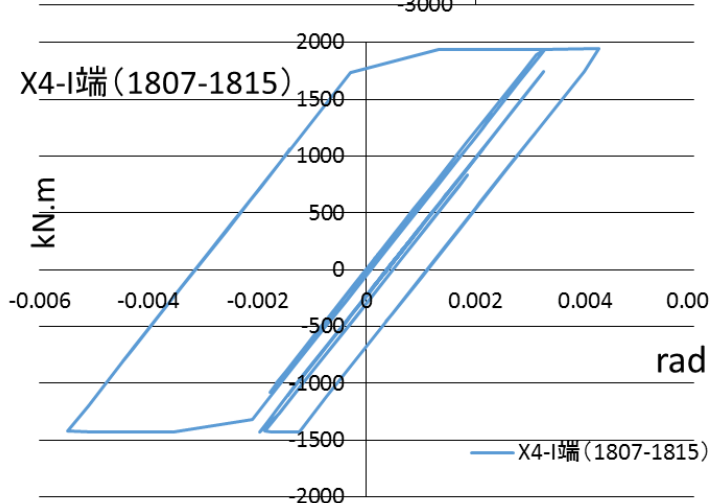
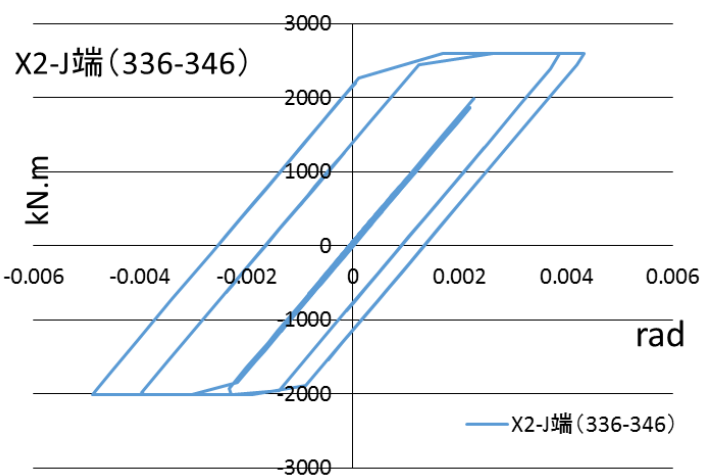
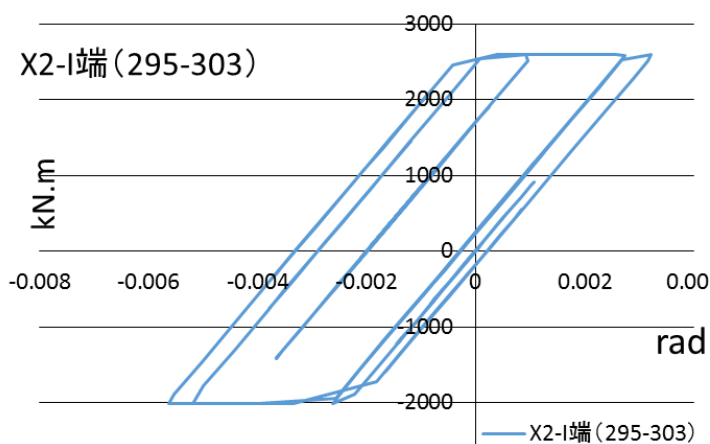
Elcentro-NS



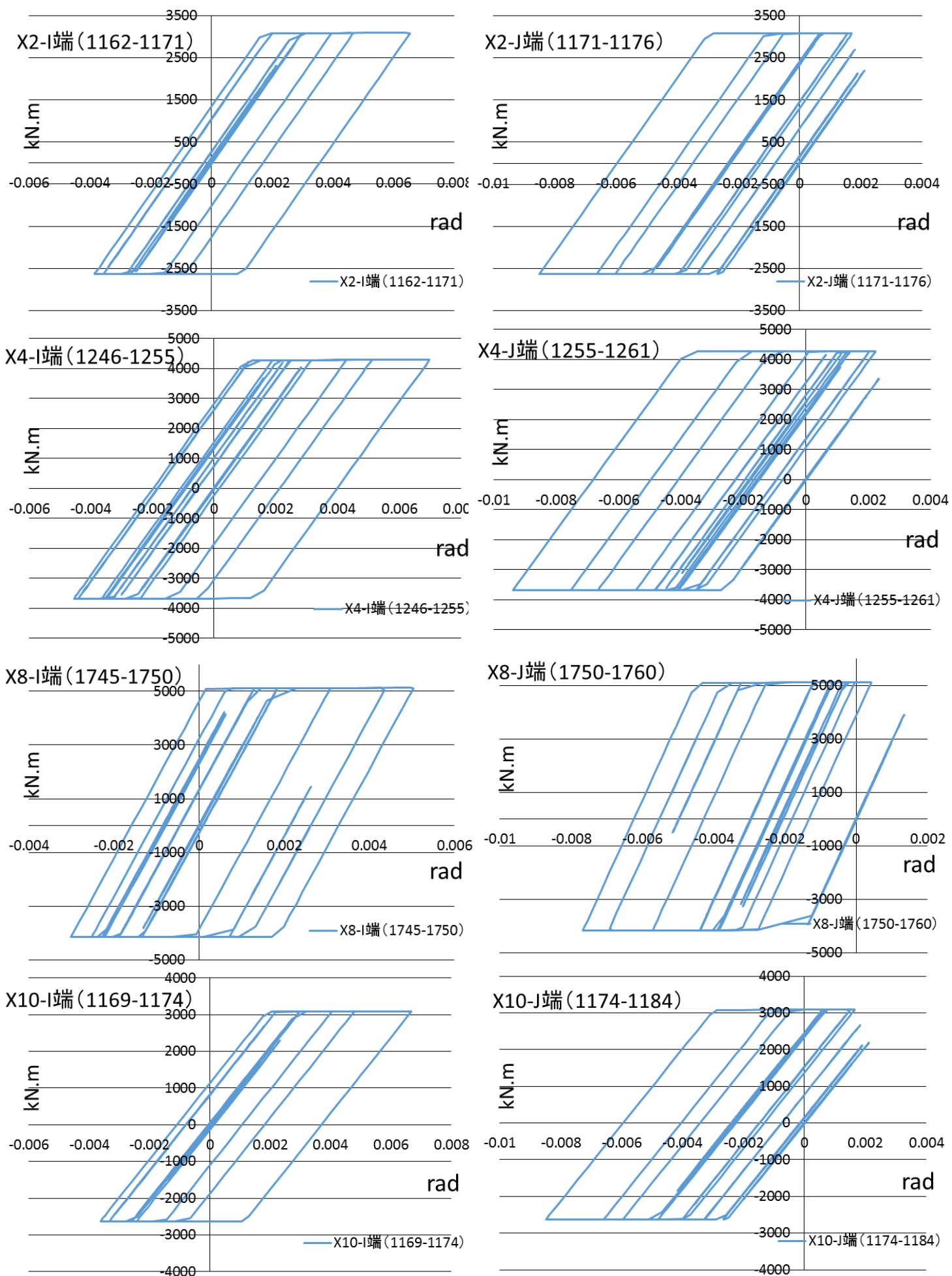
Kin-NS



Shuto-NS



311 告-NS



エネルギー

