

APPENDIX A: EXTENSIVE RESULTS

A.1 Maturity levels

Table 0-1: *Note.* Maturity levels selected.

	0SE1- KM5J	57UY- ACHJ	7QGW- 6366	8A6M- OHNV	CEMM- 9AS0	LM4B- MEP8
Technology - Security	2	2	4	1	2	2
Technology - Data management	1	2	4	1	2	2
Technology - Hardware	3	2	3	4	3	3
Technology - Tooling	2	3	4	4	3	4
Technology - Control software	3	3	3	3	3	3
Technology - Application specific hazards	2	4	3	1	1	2
Human - Trust	3	4	3	3	-	1
Human - Work Stress	2	3	3	1	-	2
Human - Physical workload	4	2	4	2	-	3
Human - Cognitive workload	2	2	3	2	-	1
Collaborative Workspace - Access and clearance	4	4	3	2	3	2
Collaborative Workspace - Layout	4	3	3	1	3	3
Collaborative Workspace - Hazardous obstacles/ objects	3	2	2	4	3	3
Collaborative Workspace - Hazardous obstacles/ objects	3	1	3	4	2	1
Enterprise - Training	3	4	4	3	3	4
Enterprise - Work design	3	3	3	3	3	3
Enterprise - Social acceptance	4	3	3	1	2	2
Enterprise - Privacy	3	1	2	1	2	1
Enterprise - AI decision making	1	2	3	1	3	2
Enterprise - Safety strategy	3	2	3	1	2	1
Enterprise - Tech/ digitization strategy	2	2	3	1	3	3
External - Regulatory	1	2	4	1	2	3
External - Environmental conditions	2	3	3	2	2	1

A.2 Initial weight calculations

Table 0-2: *Note.* Initial weights of all criteria

	0SE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8	Mean	Std. dev.	Std. dev. %
Technology - Security	0.197	0.120	0.377	0.122	0.153	0.120	0.181	0.092	51
Technology - Data management	0.303	0.048	0.148	0.068	0.117	0.080	0.127	0.085	67
Technology - Hardware	0.054	0.166	0.088	0.153	0.272	0.117	0.142	0.069	49
Technology - Tooling	0.076	0.321	0.048	0.078	0.152	0.393	0.178	0.132	74
Technology - Control software	0.125	0.112	0.255	0.286	0.207	0.132	0.186	0.068	36
Technology - Application specific hazards	0.245	0.233	0.083	0.293	0.100	0.158	0.185	0.077	42
Human - Trust	0.148	0.168	0.600	0.400	0.396	0.100	0.302	0.178	59
Human - Work Stress	0.285	0.313	0.174	0.237	0.361	0.217	0.264	0.062	24
Human - Physical workload	0.347	0.407	0.088	0.152	0.113	0.568	0.279	0.176	63
Human - Cognitive workload	0.220	0.113	0.138	0.211	0.130	0.114	0.154	0.044	29
Collaborative Workspace - Access and clearance	0.117	0.400	0.425	0.246	0.245	0.198	0.272	0.109	40
Collaborative Workspace - Layout	0.290	0.337	0.149	0.346	0.316	0.387	0.304	0.075	25
Collaborative Workspace - Hazardous obstacles/objects - Physical Design	0.177	0.165	0.231	0.204	0.280	0.275	0.222	0.045	20
Collaborative Workspace - Hazardous obstacles/objects - Maintenance	0.415	0.098	0.195	0.204	0.159	0.140	0.202	0.102	50
Enterprise - Training	0.154	0.293	0.325	0.136	0.160	0.307	0.229	0.080	35
Enterprise - Work design	0.133	0.224	0.120	0.236	0.194	0.158	0.178	0.044	25
Enterprise - Social acceptance	0.035	0.107	0.167	0.036	0.063	0.061	0.078	0.046	59
Enterprise - Privacy	0.247	0.045	0.039	0.287	0.063	0.074	0.126	0.101	80
Enterprise - AI decision making	0.035	0.103	0.113	0.043	0.158	0.146	0.100	0.047	47
Enterprise - Safety strategy	0.308	0.148	0.170	0.179	0.167	0.168	0.190	0.054	28
Enterprise - Tech/digitization strategy	0.088	0.080	0.066	0.082	0.194	0.086	0.099	0.043	43
External - Regulatory	0.500	0.333	0.750	0.500	0.500	0.667	0.542	0.134	25
External - Environmental conditions	0.500	0.667	0.250	0.500	0.500	0.333	0.458	0.134	29

A.3 Inter-dimensional comparisons

Table 0-3: *Note.* Inter-dimensional comparison inputs

Risk factor being compared	0SE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8	Risk factor which is being compared to	Average
Technology-Tooling	0.20	0.25	0.50	0.33	1.00	0.50	Human - Work stress	0.46
Human - Cognitive workload	2.00	0.25	0.33	1.00	0.50	3.00	Workspace – Technology - Hazardous obstacles	1.18
Human - Physical workload	1.00	2.00	3.00	4.00	1.00	4.00	Enterprise - Tech/digitization strategy	2.50
Enterprise-Social acceptance	0.50	0.33	2.00	0.25	2.00	3.00	Technology - Data management	1.35
Technology - Application specific hazards	4.00	3.00	0.50	5.00	0.33	2.00	Enterprise - AI decision making	2.47
Workspace - Access and clearance	2.00	2.00	3.00	0.50	1.00	0.50	External - Environmental conditions	1.50
Enterprise - Privacy	8.00	2.00	0.14	1.00	0.33	1.00	Technology - Control software	2.08
Enterprise - Training	5.00	4.00	2.00	1.00	2.00	3.00	Technology - Hardware	2.83
Workspace – Maintenance - Hazardous obstacles	0.17	2.00	0.33	0.50	1.00	1.00	Human - Trust	0.83
Enterprise - Work design	1	0.5	2	1	1	0.5	Technology - Application specific hazards	1.00
External - Regulatory	1	1	0.3333	0.3333	2	0.3333	Workspace - Layout	0.83
Enterprise - Safety strategy	1	2	0.25	0.3333	1	1	Technology - Security	0.93

A.4 Adjusted mathematical model results

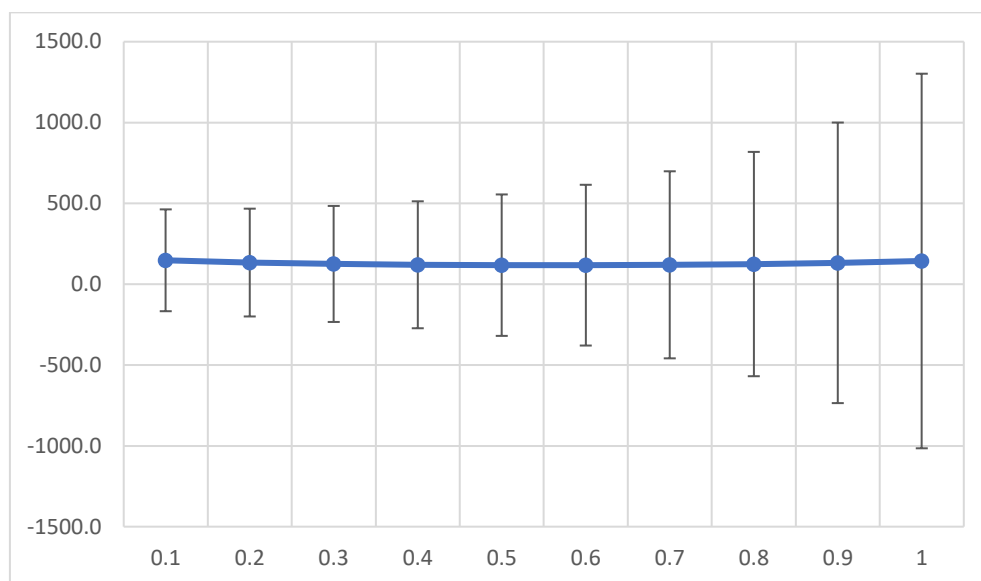


Figure 0-1: Note. μ and mean % deviation from ideal inter-dimensional comparison (with standard deviation as error bars) - 0SE1-KM5J

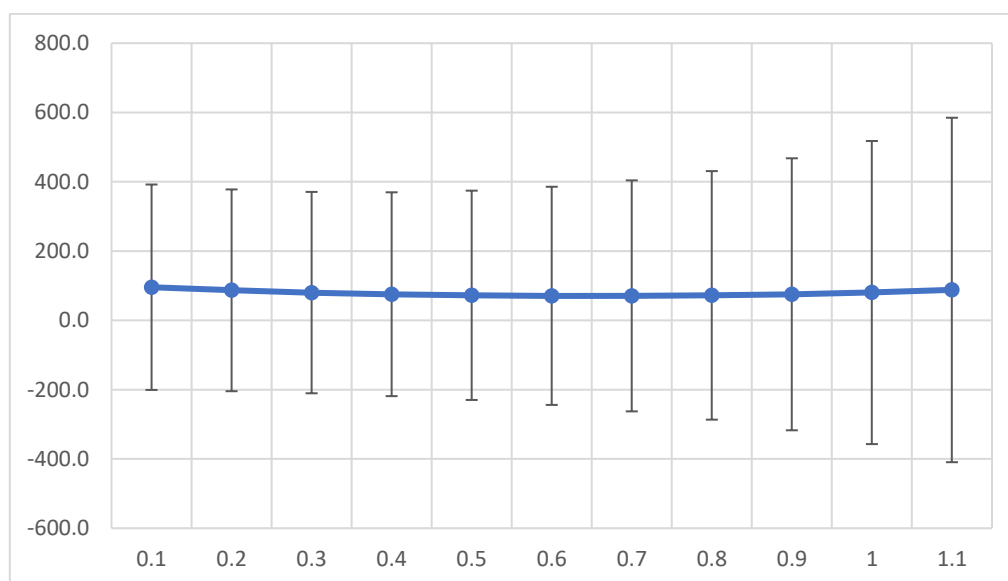


Figure 0-2: Note. μ and mean % deviation from ideal inter-dimensional comparison (with standard deviation as error bars) - 57UY-ACHJ

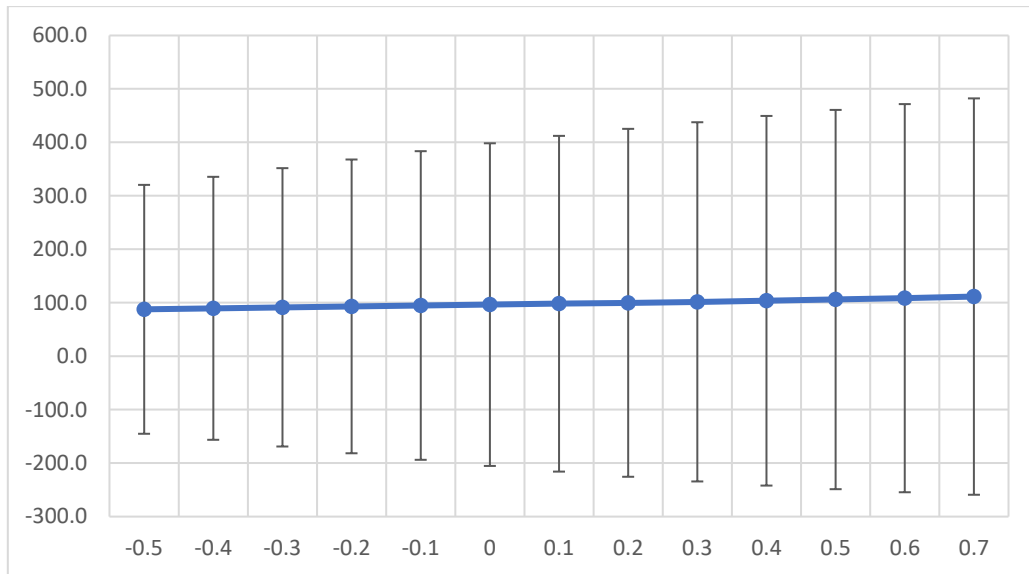


Figure 0-3: Note. μ and mean % deviation from ideal inter-dimensional comparison (with standard deviation as error bars) - 7QGW-6366

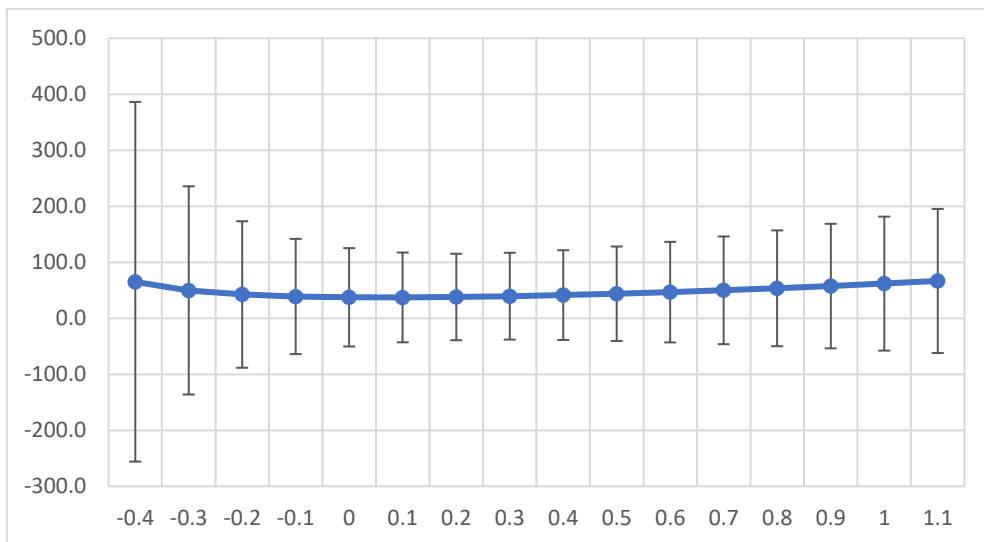


Figure 0-4: Note. μ and mean % deviation from ideal inter-dimensional comparison (with standard deviation as error bars) - 8A6M-OHNV

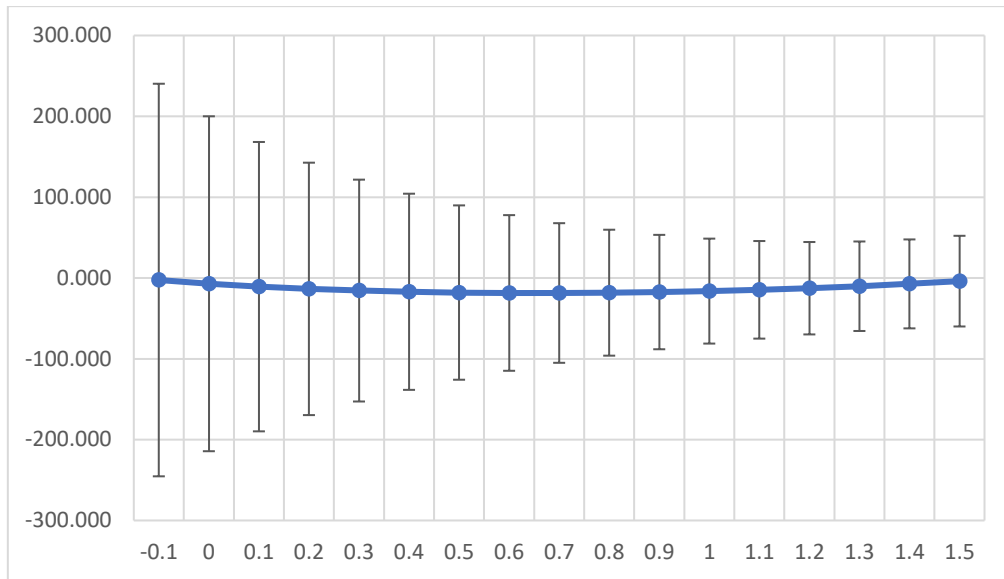


Figure 0-5: Note. μ and mean % deviation from ideal inter-dimensional comparison (with standard deviation as error bars) - CEMM-9AS0

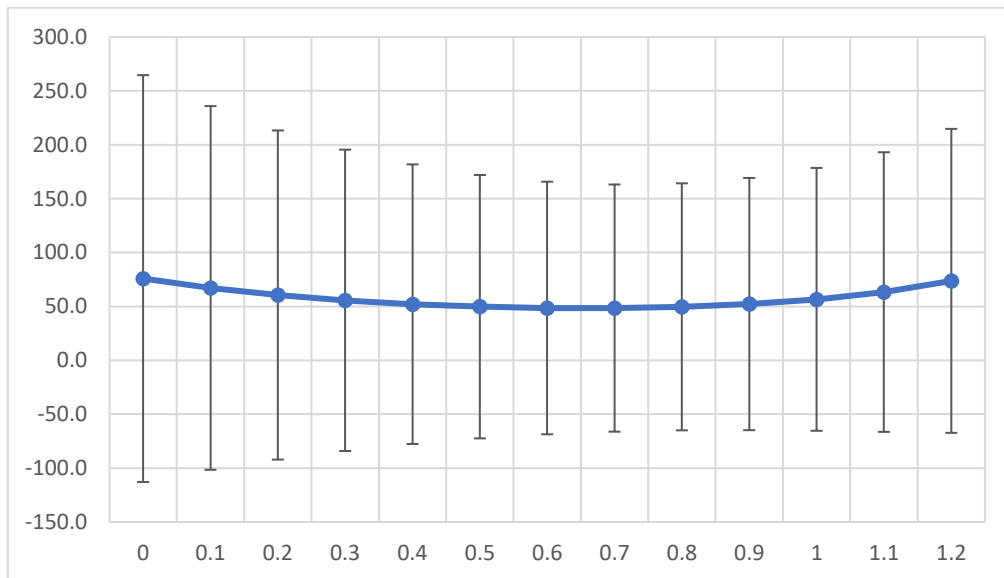


Figure 0-6: Note. μ and mean % deviation from ideal inter-dimensional comparison (with standard deviation as error bars) - LM4B-MEP8

Table 0-4: Note. Optimal adjusted weights

	0SE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
Technology	0.139	0.252	0.503	0.276	0.161	0.165
Human	0.300	0.216	0.234	0.218	0.169	0.283
Collaborative Workspace	0.205	0.186	0.089	0.218	0.198	0.198
Enterprise	0.194	0.166	0.132	0.197	0.245	0.183
External	0.162	0.180	0.041	0.091	0.227	0.172
Technology - Security	0.027	0.030	0.190	0.034	0.025	0.020
Technology - Data management	0.042	0.012	0.075	0.019	0.019	0.013
Technology - Hardware	0.008	0.042	0.044	0.042	0.044	0.019

Technology - Tooling	0.011	0.081	0.024	0.022	0.025	0.065
Technology - Control software	0.017	0.028	0.128	0.079	0.033	0.022
Technology - Application specific hazards	0.073	0.050	0.019	0.064	0.017	0.045
Human - Trust	0.044	0.036	0.141	0.087	0.067	0.028
Human - Work Stress	0.085	0.068	0.041	0.052	0.061	0.061
Human - Physical workload	0.104	0.088	0.021	0.033	0.019	0.161
Human - Cognitive workload	0.066	0.024	0.032	0.046	0.022	0.032
Collaborative Workspace - Access and clearance	0.024	0.074	0.038	0.054	0.048	0.039
Collaborative Workspace - Layout	0.059	0.063	0.013	0.075	0.063	0.077
Collaborative Workspace - Hazardous obstacles/ objects	0.036	0.031	0.020	0.045	0.055	0.054
Collaborative Workspace - Hazardous obstacles/ objects -Maintenance	0.085	0.018	0.017	0.045	0.031	0.028
Enterprise - Training	0.030	0.049	0.043	0.027	0.039	0.056
Enterprise - Work design	0.026	0.037	0.016	0.046	0.047	0.029
Enterprise - Social acceptance	0.007	0.018	0.022	0.007	0.015	0.011
Enterprise - Privacy	0.048	0.007	0.005	0.057	0.015	0.014
Enterprise - AI decision making	0.007	0.017	0.015	0.008	0.039	0.027
Enterprise - Safety strategy	0.060	0.025	0.023	0.035	0.041	0.031
Enterprise - Tech/ digitization strategy	0.017	0.013	0.009	0.016	0.047	0.016
External - Regulatory	0.081	0.060	0.031	0.045	0.114	0.114
External - Environmental conditions	0.081	0.120	0.010	0.045	0.114	0.057

Table 0-5: Note. Optimal adjusted weights multiplied by levels selected.

	0SE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
Technology - Security	0.055	0.060	0.759	0.034	0.049	0.040
Technology - Data management	0.042	0.024	0.299	0.019	0.038	0.026
Technology - Hardware	0.023	0.084	0.133	0.169	0.132	0.058
Technology - Tooling	0.021	0.243	0.096	0.086	0.074	0.259
Technology - Control software	0.052	0.085	0.385	0.237	0.100	0.066
Technology - Application specific hazards	0.147	0.201	0.058	0.064	0.017	0.089
Human - Trust	0.133	0.145	0.422	0.261	0.000	0.028
Human - Work Stress	0.171	0.203	0.122	0.052	0.000	0.123
Human - Physical workload	0.417	0.176	0.083	0.066	0.000	0.482
Human - Cognitive workload	0.132	0.049	0.097	0.092	0.000	0.032
Collaborative Workspace - Access and clearance	0.096	0.297	0.113	0.107	0.145	0.078
Collaborative Workspace - Layout	0.238	0.188	0.040	0.075	0.188	0.230
Collaborative Workspace - Hazardous obstacles/ objects	0.109	0.061	0.041	0.178	0.166	0.163
Collaborative Workspace - Hazardous obstacles/ objects	0.255	0.018	0.052	0.178	0.063	0.028

Enterprise - Training	0.090	0.195	0.172	0.080	0.118	0.225
Enterprise - Work design	0.077	0.112	0.048	0.139	0.142	0.087
Enterprise - Social acceptance	0.027	0.053	0.066	0.007	0.031	0.022
Enterprise - Privacy	0.144	0.007	0.010	0.057	0.031	0.014
Enterprise - AI decision making	0.007	0.034	0.045	0.008	0.116	0.053
Enterprise - Safety strategy	0.179	0.049	0.068	0.035	0.082	0.031
Enterprise - Tech/ digitization strategy	0.034	0.027	0.026	0.016	0.142	0.047
External - Regulatory	0.081	0.120	0.123	0.045	0.227	0.343
External - Environmental conditions	0.162	0.359	0.031	0.091	0.227	0.057

A.5 Percentage deviation from ideal inter-dimensional comparison from which mean and standard deviation are calculated

Table 0-6: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=-0.5$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-106.5	577.4	18.5	41.8	-54.5	-85.6
2	64.2	496.1	377.5	3.2	31.6	-55.3
3	1181.0	2148.9	-20.7	-45.1	155.2	795.2
4	-247.4	-53.9	-85.2	27.5	-94.4	17.5
5	-127.7	1001.1	460.9	128.5	806.5	-88.4
6	-54.4	-60.5	22.5	1144.8	-14.7	286.0
7	-257.8	-98.6	-71.2	-40.4	-80.6	159.3
8	-462.1	-97.0	-51.4	-47.2	-93.8	305.8
9	527.6	-86.6	-62.8	2.1	-71.6	-56.6
10	-446.2	-86.8	-81.0	-52.0	-59.0	827.6
11	-55.6	-24.8	598.5	-65.7	-54.6	59.1
12	-1094.5	-95.8	-52.5	161.0	-77.0	546.0

Table 0-7: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=-0.4$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-103.1	564.5	14.8	39.3	-54.6	-77.6
2	58.0	463.9	336.4	3.2	29.1	-57.5
3	1115.1	1528.5	-24.1	-45.7	120.3	713.5
4	-426.1	-35.1	-84.1	31.1	-93.4	-16.5
5	-112.5	682.1	420.7	122.2	679.8	-83.6
6	-61.2	-61.7	5.5	640.1	-18.6	233.7
7	-449.1	-98.1	-69.0	-38.7	-77.4	84.4

8	-900.8	-95.7	-47.7	-45.7	-92.8	188.5
9	552.5	-85.9	-59.2	2.1	-71.0	-54.4
10	-865.7	-81.5	-79.5	-50.7	-52.4	559.4
11	-47.8	-22.4	710.8	-42.4	-52.4	84.0
12	-2299.6	-94.0	-48.8	168.5	-73.2	359.3

Table 0-8: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=-0.3$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-99.4	551.0	11.1	36.8	-54.8	-68.9
2	51.7	433.9	301.2	3.2	26.6	-59.6
3	1050.4	1165.5	-27.2	-46.2	92.8	639.4
4	1599.6	-14.7	-82.8	34.9	-92.5	-33.9
5	-97.6	495.4	383.0	115.8	579.8	-79.4
6	-66.4	-62.8	-5.7	423.9	-22.2	194.1
7	1719.3	-97.5	-66.5	-36.9	-74.1	46.0
8	4074.0	-94.4	-43.6	-44.1	-91.7	128.6
9	579.7	-85.1	-55.7	2.1	-70.5	-52.0
10	3890.9	-75.6	-77.9	-49.2	-45.4	422.4
11	-39.8	-20.2	806.9	-18.6	-50.3	108.8
12	11364.5	-92.1	-44.8	176.3	-69.3	263.8

Table 0-9: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=-0.2$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-95.3	537.0	7.3	34.2	-55.0	-59.3
2	45.2	405.9	270.6	3.2	24.1	-61.7
3	986.6	927.3	-30.1	-46.8	70.5	571.8
4	139.0	7.4	-81.5	39.0	-91.5	-44.4
5	-82.9	373.0	347.6	109.5	499.0	-75.4
6	-70.3	-63.7	-13.6	303.8	-25.5	163.1
7	155.9	-96.8	-63.9	-35.0	-70.6	22.8
8	487.0	-93.0	-39.2	-42.4	-90.6	92.2
9	609.7	-84.2	-52.0	2.1	-69.9	-49.3
10	461.2	-69.3	-76.1	-47.7	-38.0	339.2
11	-31.8	-18.2	890.3	5.6	-48.1	133.4
12	1512.2	-90.1	-40.5	184.6	-65.1	205.9

Table 0-10: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=-0.1$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-90.8	522.4	3.5	31.6	-55.1	-48.7
2	38.8	379.7	243.9	3.2	21.5	-63.8

3	923.9	758.9	-32.9	-47.4	52.1	510.0
4	29.5	31.4	-80.0	43.3	-90.4	-51.5
5	-68.4	286.4	314.4	103.3	432.3	-71.9
6	-73.5	-64.5	-19.5	227.5	-28.5	138.1
7	38.6	-96.1	-61.0	-32.9	-66.9	7.2
8	218.1	-91.4	-34.3	-40.7	-89.5	67.7
9	642.8	-83.4	-48.3	2.1	-69.3	-46.4
10	204.1	-62.5	-74.2	-46.1	-30.2	283.3
11	-23.7	-16.2	963.1	30.3	-45.9	157.8
12	773.6	-87.9	-35.7	193.4	-60.8	167.0

Table 0-11: *Note.* % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=0$)

Pairwise comparison №	0SE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-85.8	507.2	-0.5	29.0	-55.3	-36.8
2	32.2	355.2	220.4	3.2	19.0	-65.9
3	862.2	633.6	-35.5	-48.0	36.7	453.2
4	-10.7	57.7	-78.4	47.8	-89.3	-56.5
5	-54.2	222.0	283.1	97.0	376.2	-68.6
6	-76.1	-65.3	-24.1	174.6	-31.3	117.6
7	-4.4	-95.3	-57.8	-30.8	-63.0	-4.1
8	119.2	-89.7	-28.9	-38.8	-88.2	50.2
9	679.6	-82.5	-44.5	2.1	-68.6	-43.1
10	109.6	-55.0	-72.1	-44.4	-22.0	243.2
11	-15.5	-14.4	1027.4	55.3	-43.6	182.1
12	502.2	-85.5	-30.4	202.7	-56.1	139.0

Table 0-12: *Note.* % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=0.1$)

Pairwise comparison №	0SE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-80.2	491.4	-4.5	26.3	-55.5	-23.5
2	25.6	332.1	199.4	3.2	16.5	-68.0
3	801.5	536.8	-38.0	-48.5	23.6	400.8
4	-31.6	86.6	-76.6	52.7	-88.1	-60.4
5	-40.2	172.2	253.6	90.8	328.6	-65.5
6	-78.2	-66.0	-27.8	135.8	-34.0	100.5
7	-26.8	-94.5	-54.3	-28.6	-58.9	-12.5
8	67.9	-87.8	-23.0	-36.8	-86.9	36.9
9	720.7	-81.5	-40.6	2.1	-67.9	-39.4
10	60.5	-46.7	-69.8	-42.6	-13.3	213.0
11	-7.1	-12.7	1084.6	80.9	-41.4	206.2
12	361.2	-82.8	-24.6	212.6	-51.3	118.0

Table 0-13: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=0.2$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-73.8	474.8	-8.6	23.5	-55.7	-8.4
2	18.9	310.4	180.7	3.2	13.9	-70.1
3	741.7	459.6	-40.3	-49.1	12.2	352.3
4	-44.4	118.4	-74.6	57.8	-86.8	-63.4
5	-26.4	132.5	225.7	84.6	287.5	-62.7
6	-80.0	-66.6	-30.8	106.1	-36.4	85.9
7	-40.5	-93.5	-50.4	-26.2	-54.6	-19.1
8	36.4	-85.7	-16.4	-34.6	-85.5	26.6
9	767.0	-80.6	-36.6	2.1	-67.2	-35.2
10	30.5	-37.6	-67.2	-40.6	-4.2	189.4
11	1.3	-11.1	1135.7	106.9	-39.2	230.2
12	274.8	-79.9	-18.2	223.1	-46.1	101.6

Table 0-14: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=0.3$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-66.7	457.6	-12.8	20.7	-56.0	8.8
2	12.1	289.9	163.9	3.2	11.3	-72.1
3	682.9	396.7	-42.5	-49.7	2.4	307.4
4	-53.1	153.7	-72.3	63.3	-85.5	-65.7
5	-12.8	100.2	199.2	78.4	251.7	-60.1
6	-81.6	-67.1	-33.3	82.7	-38.6	73.4
7	-49.8	-92.5	-46.0	-23.6	-49.9	-24.4
8	15.2	-83.4	-9.0	-32.4	-84.0	18.4
9	819.4	-79.5	-32.6	2.1	-66.4	-30.4
10	10.2	-27.6	-64.3	-38.6	5.6	170.5
11	9.8	-9.6	1181.7	133.4	-36.9	254.0
12	216.4	-76.6	-10.9	234.3	-40.6	88.4

Table 0-15: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=0.4$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-58.5	439.5	-17.1	17.9	-56.2	28.6
2	5.3	270.6	148.6	3.2	8.8	-74.2
3	625.0	344.5	-44.6	-50.2	-6.3	265.6
4	-59.3	193.0	-69.8	69.1	-84.1	-67.7
5	0.6	73.3	174.2	72.2	220.3	-57.7
6	-82.9	-67.6	-35.4	63.8	-40.8	62.6
7	-56.5	-91.3	-41.0	-20.9	-45.0	-28.7
8	-0.1	-80.8	-0.7	-30.0	-82.5	11.6

9	879.4	-78.5	-28.5	2.1	-65.6	-24.9
10	-4.5	-16.3	-61.1	-36.4	15.9	155.1
11	18.4	-8.2	1223.3	160.4	-34.7	277.6
12	174.4	-73.0	-2.8	246.3	-34.8	77.6

Table 0-16: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=0.5$)

Pairwise comparison №	0SE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-49.1	420.5	-21.5	15.0	-56.4	51.7
2	-1.7	252.3	134.7	3.2	6.2	-76.2
3	568.0	300.4	-46.6	-50.8	-13.9	226.6
4	-64.0	237.1	-66.9	75.3	-82.5	-69.3
5	13.7	50.6	150.4	66.1	192.4	-55.5
6	-84.1	-68.1	-37.2	48.1	-42.8	53.0
7	-61.5	-90.0	-35.4	-17.9	-39.8	-32.3
8	-11.7	-77.9	8.8	-27.4	-80.8	5.9
9	948.6	-77.4	-24.2	2.1	-64.8	-18.5
10	-15.5	-3.7	-57.4	-34.0	27.0	142.1
11	27.1	-6.8	1261.1	187.9	-32.4	301.1
12	142.6	-69.0	6.4	259.1	-28.6	68.6

Table 0-17: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=0.6$)

Pairwise comparison №	0SE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-38.1	400.7	-25.9	12.0	-56.7	78.8
2	-8.7	235.0	122.1	3.2	3.6	-78.2
3	511.8	262.7	-48.5	-51.4	-20.8	190.2
4	-67.7	287.0	-63.6	82.0	-80.9	-70.7
5	26.7	31.2	127.8	60.0	167.6	-53.4
6	-85.1	-68.5	-38.7	35.0	-44.6	44.6
7	-65.4	-88.5	-29.0	-14.8	-34.2	-35.4
8	-20.7	-74.6	19.6	-24.6	-79.0	1.2
9	1029.3	-76.2	-19.9	2.1	-63.9	-11.0
10	-24.2	10.5	-53.1	-31.5	38.8	131.2
11	35.9	-5.6	1295.6	216.0	-30.1	324.5
12	117.8	-64.4	17.0	272.8	-22.0	61.0

Table 0-18: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=0.7$)

Pairwise comparison №	0SE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-25.1	379.9	-30.5	9.0	-57.0	111.2
2	-15.8	218.5	110.5	3.2	1.0	-80.2
3	456.5	230.0	-50.3	-51.9	-26.9	156.0

4	-70.7	343.7	-59.8	89.2	-79.2	-71.9
5	39.4	14.5	106.3	53.9	145.4	-51.4
6	-86.0	-68.9	-40.1	23.8	-46.4	37.1
7	-68.6	-86.9	-21.6	-11.4	-28.3	-38.0
8	-28.0	-70.9	32.0	-21.6	-77.1	-3.0
9	1124.7	-75.0	-15.5	2.1	-63.0	-2.0
10	-31.1	26.7	-48.2	-28.8	51.3	121.8
11	44.8	-4.4	1327.3	244.6	-27.8	347.7
12	97.9	-59.2	29.2	287.5	-14.9	54.5

Table 0-19: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=0.8$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	-9.5	358.0	-35.2	5.9	-57.3	150.6
2	-23.0	202.9	99.8	3.2	-1.7	-82.2
3	402.1	201.5	-52.0	-52.5	-32.4	124.0
4	-73.1	408.8	-55.4	97.0	-77.3	-72.9
5	52.0	-0.2	85.8	47.8	125.3	-49.5
6	-86.8	-69.3	-41.3	14.1	-48.0	30.4
7	-71.2	-84.9	-13.0	-7.8	-21.9	-40.3
8	-33.9	-66.6	46.6	-18.4	-75.1	-6.5
9	1239.2	-73.7	-11.0	2.1	-62.0	8.9
10	-36.8	45.3	-42.5	-25.9	64.8	113.7
11	53.9	-3.2	1356.4	273.7	-25.5	370.7
12	81.5	-53.2	43.4	303.4	-7.3	48.8

Table 0-20: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=0.9$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	9.6	335.0	-40.0	2.8	-57.6	199.6
2	-30.3	188.0	90.0	3.2	-4.3	-84.2
3	348.4	176.4	-53.6	-53.0	-37.4	93.9
4	-75.1	484.4	-50.2	105.4	-75.3	-73.8
5	64.4	-13.1	66.3	41.8	107.1	-47.8
6	-87.6	-69.7	-42.3	5.7	-49.6	24.4
7	-73.4	-82.7	-2.8	-3.9	-15.0	-42.3
8	-38.9	-61.7	63.8	-14.9	-72.9	-9.6
9	1379.2	-72.3	-6.4	2.1	-61.0	22.5
10	-41.6	66.9	-35.8	-22.7	79.3	106.5
11	63.0	-2.1	1383.3	303.5	-23.2	393.6
12	67.9	-46.2	60.3	320.6	0.9	43.8

Table 0-21: *Note.* % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=1.0$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	33.5	310.7	-44.8	-0.4	-57.9	262.0
2	-37.7	173.9	80.9	3.2	-6.9	-86.1
3	295.6	154.1	-55.2	-53.6	-42.0	65.5
4	-76.8	573.2	-43.9	114.5	-73.2	-74.6
5	76.6	-24.6	47.6	35.8	90.5	-46.1
6	-88.3	-70.0	-43.3	-1.7	-51.1	18.9
7	-75.2	-80.1	9.5	0.4	-7.6	-44.0
8	-43.1	-55.9	84.5	-11.1	-70.5	-12.4
9	1554.2	-70.9	-1.7	2.1	-59.8	39.8
10	-45.6	92.2	-27.7	-19.3	94.9	100.2
11	72.3	-1.1	1408.1	333.8	-20.9	416.4
12	56.3	-38.0	80.6	339.3	9.6	39.4

Table 0-22: *Note.* % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=1.1$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	64.2	285.1	-49.9	-3.7	-58.2	344.4
2	-45.2	160.4	72.4	3.2	-9.6	-88.1
3	243.5	134.2	-56.7	-54.1	-46.2	38.7
4	-78.3	679.0	-36.2	124.4	-70.9	-75.4
5	88.6	-34.8	29.8	29.8	75.3	-44.6
6	-88.9	-70.3	-44.1	-8.2	-52.5	13.9
7	-76.8	-76.9	24.6	5.0	0.4	-45.6
8	-46.7	-48.9	109.9	-7.0	-68.0	-14.9
9	1779.4	-69.4	3.2	2.1	-58.7	62.6
10	-49.1	122.4	-17.7	-15.5	111.8	94.6
11	81.6	-0.1	1431.2	364.7	-18.6	439.0
12	46.3	-28.3	105.4	359.6	19.1	35.5

Table 0-23: *Note.* % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=1.2$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	105.1	258.1	-55.0	-7.0	-58.6	458.1
2	-52.7	147.5	64.5	3.2	-12.3	-90.0
3	192.2	116.3	-58.1	-54.7	-50.0	13.4
4	-79.6	807.1	-26.5	135.3	-68.3	-76.0
5	100.4	-44.0	12.7	23.8	61.4	-43.1
6	-89.4	-70.5	-44.9	-14.0	-53.8	9.3
7	-78.2	-73.2	43.5	10.1	9.1	-47.0
8	-49.9	-40.5	141.7	-2.6	-65.2	-17.0

9	2079.8	-67.8	8.1	2.2	-57.4	94.1
10	-52.1	159.0	-5.2	-11.5	130.1	89.6
11	91.1	0.9	1452.7	396.3	-16.2	461.5
12	37.7	-16.5	136.6	381.8	29.4	32.1

Table 0-24: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=1.3$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	162.5	229.5	-60.2	-10.4	-59.0	625.1
2	-60.4	135.2	57.2	3.2	-14.9	-91.9
3	141.6	100.1	-59.4	-55.2	-53.6	-10.6
4	-80.7	965.5	-14.0	147.2	-65.6	-76.6
5	112.1	-52.3	-3.7	17.8	48.5	-41.7
6	-89.9	-70.8	-45.6	-19.3	-55.1	5.2
7	-79.4	-68.5	67.8	15.7	18.5	-48.3
8	-52.6	-30.1	182.8	2.4	-62.2	-19.0
9	2500.6	-66.1	13.1	2.2	-56.1	140.4
10	-54.7	204.2	10.9	-7.0	150.0	85.1
11	100.7	1.8	1472.8	428.5	-13.9	483.8
12	30.1	-1.9	176.7	406.2	40.6	28.9

Table 0-25: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=1.4$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	248.7	199.2	-65.6	-13.9	-59.4	894.6
2	-68.1	123.4	50.3	3.2	-17.6	-93.8
3	91.8	85.4	-60.8	-55.8	-56.8	-33.4
4	-81.7	1166.5	2.7	160.3	-62.6	-77.1
5	123.6	-59.9	-19.4	11.9	36.7	-40.4
6	-90.4	-71.1	-46.3	-24.0	-56.3	1.3
7	-80.4	-62.5	100.5	21.8	28.8	-49.4
8	-55.1	-17.0	237.8	7.8	-58.9	-20.8
9	3132.4	-64.3	18.3	2.2	-54.6	215.1
10	-57.0	261.6	32.4	-2.1	171.7	81.0
11	110.5	2.7	1491.6	461.4	-11.5	506.0
12	23.4	16.6	230.5	433.0	52.8	26.1

Table 0-26: Note. % deviation from ideal inter-dimensional comparison based on weight calculation ($\mu=1.5$)

Pairwise comparison №	OSE1-KM5J	57UY-ACHJ	7QGW-6366	8A6M-OHNV	CEMM-9AS0	LM4B-MEP8
1	392.5	167.1	-71.1	-17.4	-59.9	1402.3
2	-76.0	112.1	43.9	3.2	-20.3	-95.7
3	42.7	72.0	-62.0	-56.3	-59.9	-55.0

4	-82.6	1429.7	26.3	174.8	-59.4	-77.6
5	134.9	-66.8	-34.4	6.0	25.7	-39.2
6	-90.8	-71.3	-46.8	-28.3	-57.4	-2.2
7	-81.4	-54.7	146.5	28.6	40.1	-50.4
8	-57.2	0.3	315.2	13.8	-55.3	-22.4
9	4187.2	-62.4	23.6	2.2	-53.1	355.9
10	-59.1	336.8	62.8	3.4	195.5	77.3
11	120.3	3.5	1509.2	494.9	-9.2	528.0
12	17.4	40.8	306.4	462.8	66.2	23.5