Performance (STRESS values) for visual threshold colour difference data (VCD)

data set	Calculations with data for grey surrounds (D65, P40) and 0,1 < *Y* < 190 Difference ΔE^*_{CIELAB}					Colour difference formula and STRESS value				
Name	Pairs	ΔE^*_{ab} range	min	max	mean	CIELAB ΔE_{ab_PF}	CMC ΔE_{CMs_PF}	CIE94 ΔE_{94_PF}	CIEDE2000 ΔE_{00_PF}	LABJND ΔE_{85_PF}
RI_0330	330	0.0 to <99.0	0.05	4.85	0.9	39.2	39.0	37.9	42.6	11.6
KI_0392	392	0.0 to <99.0	0.09	2.09	0.41	32.7	37.9	35.5	35.3	18.6
AV_0132	132	0.0 to <99.0	0.17	2.29	0.75	28.9	21.8	33.9	33.2	21.6
RI_0330	224	0.0 to <1.0	0.05	0.99	0.55	32.6	41.9	40.0	47.9	10.8
KI_0392	375	0.0 to <1.0	0.09	0.99	0.37	27.6	34.7	32.0	32.4	17.5
AV_0132	97	0.0 to <1.0	0.17	0.96	0.56	22.4	18.3	22.6	28.9	19.7
RI_0330	305	0.0 to <2.0	0.05	1.89	0.74	33.6	40.0	38.7	44.1	11.6
KI_0392	391	0.0 to <2.0	0.09	1.76	0.41	32.1	37.9	35.5	35.4	18.6
AV_0132	130	0.0 to <2.0	0.17	1.96	0.73	27.7	21.6	30.6	33.2	21.2
RI_0330	87	0.0 to <0.5	0.05	0.49	0.23	31.2	41.9	37.4	45.7	11.1
KI_0392	294	0.0 to <0.5	0.09	0.49	0.28	17.9	25.6	21.2	24.9	14.6
AV_0132	41	0.0 to <0.5	0.17	0.49	0.34	16.6	18.5	20.3	28.4	14.0
RI_0330	137	0.5 to <1.0	0.5	0.99	0.76	10.6	26.4	22.1	29.3	7.9
KI_0392	81	0.5 to <1.0	0.5	0.99	0.7	11.1	24.4	18.0	21.7	9.7
AV_0132	56	0.5 to <1.0	0.5	0.96	0.71	10.9	12.6	10.9	18.6	17.4
RI_0330	67	1.0 to <1.5	1.01	1.46	1.18	5.3	29.0	26.6	29.8	8.2
KI_0392	12	1.0 to <1.5	1.0	1.48	1.22	7.0	31.5	25.0	34.6	11.5
AV_0132	28	1.0 to <1.5	1.0	1.47	1.17	6.9	15.6	16.0	15.5	23.3
RI_0330	14	1.5 to <2.0	1.5	1.89	1.69	4.1	27.2	23.6	23.4	6.1
KI_0392	4	1.5 to <2.0	1.61	1.76	1.67	1.8	16.7	11.9	19.4	19.2
AV_0132	5	1.5 to <2.0	1.51	1.96	1.7	5.6	10.1	16.2	7.4	24.0

data sets: *RI=RICHTER, KI=KITTELMANN, AV=AVRAMOPOULOS*

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Performance (STRESS values) for visual threshold colour difference data (VCD)

data set	Calculations with data for grey surrounds (D65, P40) and 0,1 < *Y* < 190 Difference $\Delta E^*_{CIEDE2000}$					Colour difference formula and STRESS value				
Name	Pairs	ΔE^*_{C00} range	min	max	mean	CIELAB ΔE	CMC ΔE	CIE94 ΔE	CIEDE2000 ΔE	LABJND ΔE
RI_0330	330	0.0 to <99.0	0.05	4.85	0.9	39.2	39.0	37.9	42.6	11.6
KI_0392	392	0.0 to <99.0	0.09	2.09	0.41	32.7	37.9	35.5	35.3	18.6
AV_0132	132	0.0 to <99.0	0.17	2.29	0.75	28.9	21.8	33.9	33.2	21.6
RI_0330	273	0.0 to <1.0	0.05	3.78	0.84	40.8	38.0	37.7	42.2	12.0
KI_0392	389	0.0 to <1.0	0.09	2.09	0.41	32.0	35.3	33.4	32.8	18.3
AV_0132	120	0.0 to <1.0	0.17	2.29	0.7	28.4	19.6	33.1	30.8	20.8
RI_0330	330	0.0 to <2.0	0.05	4.85	0.9	39.2	39.0	37.9	42.6	11.6
KI_0392	392	0.0 to <2.0	0.09	2.09	0.41	32.7	37.9	35.5	35.3	18.6
AV_0132	132	0.0 to <2.0	0.17	2.29	0.75	28.9	21.8	33.9	33.2	21.6
RI_0330	144	0.0 to <0.5	0.05	1.54	0.49	41.4	35.0	35.3	38.8	13.3
KI_0392	343	0.0 to <0.5	0.09	2.09	0.35	29.3	28.3	27.8	25.9	17.9
AV_0132	71	0.0 to <0.5	0.17	0.96	0.5	23.8	19.4	21.4	23.2	16.9
RI_0330	129	0.5 to <1.0	0.49	3.78	1.23	27.8	13.9	13.0	13.1	8.9
KI_0392	46	0.5 to <1.0	0.41	1.76	0.8	18.7	15.2	11.4	12.3	9.8
AV_0132	49	0.5 to <1.0	0.49	2.29	0.99	20.1	15.5	27.9	13.6	23.8
RI_0330	54	1.0 to <1.5	0.69	4.85	1.17	28.6	11.4	12.1	5.7	8.6
KI_0392	2	1.0 to <1.5	1.13	1.63	1.38	9.9	2.3	5.8	7.0	8.4
AV_0132	12	1.0 to <1.5	1.03	1.96	1.29	11.5	10.8	7.2	3.9	27.9
RI_0330	3	1.5 to <2.0	1.13	1.75	1.41	9.9	11.6	14.8	2.2	13.4
KI_0392	1	1.5 to <2.0	1.39	1.39	1.39	0.1	0.1	0.1	0.1	0.1
AV_0132	0									

data sets: *RI=RICHTER, KI=KITTELMANN, AV=AVRAMOPOULOS*

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Performance (STRESS values) for visual threshold colour difference data (VCD)

data set	Calculations with data for grey surrounds (D65, P40) and 0,1 < *Y* < 190 Difference ΔE^*_{LABJND}					Colour difference formula and STRESS value				
Name	Pairs	ΔE^*_{C85} range	min	max	mean	CIELAB ΔE	CMC ΔE	CIE94 ΔE	CIEDE2000 ΔE	LABJND ΔE
RI_0330	330	0.0 to <99.0	0.05	4.85	0.9	39.2	39.0	37.9	42.6	11.6
KI_0392	392	0.0 to <99.0	0.09	2.09	0.41	32.7	37.9	35.5	35.3	18.6
AV_0132	132	0.0 to <99.0	0.17	2.29	0.75	28.9	21.8	33.9	33.2	21.6
RI_0330	22	0.0 to <1.0	0.05	0.8	0.15	41.3	42.7	32.7	33.8	6.1
KI_0392	109	0.0 to <1.0	0.09	0.51	0.25	16.4	18.1	16.9	19.1	8.9
AV_0132	3	0.0 to <1.0	0.49	0.54	0.51	2.1	3.1	3.0	3.1	0.1
RI_0330	201	0.0 to <2.0	0.05	4.85	0.66	40.7	44.3	43.5	48.8	8.9
KI_0392	297	0.0 to <2.0	0.09	2.09	0.31	25.7	31.1	26.4	29.7	13.9
AV_0132	32	0.0 to <2.0	0.17	1.18	0.52	33.2	32.5	39.2	42.3	7.3
RI_0330	0									
KI_0392	20	0.0 to <0.5	0.09	0.25	0.16	12.8	16.7	16.9	17.1	3.5
AV_0132	0									
RI_0330	22	0.5 to <1.0	0.05	0.8	0.15	41.3	42.7	32.7	33.8	6.1
KI_0392	89	0.5 to <1.0	0.14	0.51	0.27	13.7	18.0	15.6	19.3	6.3
AV_0132	3	0.5 to <1.0	0.49	0.54	0.51	2.1	3.1	3.0	3.1	0.1
RI_0330	70	1.0 to <1.5	0.09	1.54	0.48	34.8	43.2	42.2	51.2	3.3
KI_0392	107	1.0 to <1.5	0.16	2.09	0.32	28.4	29.5	21.5	29.1	3.8
AV_0132	9	1.0 to <1.5	0.22	0.68	0.42	24.0	19.9	26.4	33.3	3.0
RI_0330	109	1.5 to <2.0	0.14	4.85	0.87	33.2	35.2	34.6	38.9	2.8
KI_0392	81	1.5 to <2.0	0.16	1.2	0.37	25.3	36.1	29.7	35.7	3.1
AV_0132	20	1.5 to <2.0	0.17	1.18	0.57	37.0	36.0	43.2	47.9	2.5

data sets: *RI=RICHTER, KI=KITTELMANN, AV=AVRAMOPOULOS*

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