

Performance (STRESS values) for Threshold Colour Difference data (TCD)

data set	Calculations with data for grey backgrounds (chromaticity near D65)									
	Colour difference ΔE^*_{CIELAB}					Colour difference formula and STRESS value				
Name	Pairs	ΔE^*_{ab} range	min	max	mean	CIELAB ΔE^*_{ab} PF	CMC ΔE^*_{CM} PF	CIE94 ΔE^*_{94} PF	CIEDE2000 ΔE^*_{00} PF	LABJND ΔE^*_{85} PF
WA_0100	100	0.0 to <99.0	0.19	1.35	0.54	20.2	15.4	22.5	13.4	21.0
1S_0890	890	0.0 to <99.0	0.1	4.87	1.09	35.7	35.2	35.0	35.8	28.4
2M_0399	399	0.0 to <99.0	0.09	2.74	0.7	40.8	38.3	38.4	38.2	32.6
2S_0446	446	0.0 to <99.0	0.07	4.28	1.08	36.8	39.1	38.6	39.5	36.9
2G_0379	379	0.0 to <99.0	0.08	2.61	0.81	45.2	43.6	42.9	44.0	37.1
WA_0100	99	0.0 to <1.0	0.19	0.94	0.54	19.2	15.4	22.6	13.4	21.1
1S_0890	513	0.0 to <1.0	0.1	0.99	0.63	30.0	34.1	34.4	34.6	30.3
2M_0399	316	0.0 to <1.0	0.09	0.99	0.53	36.9	35.2	36.3	34.8	32.5
2S_0446	255	0.0 to <1.0	0.07	0.99	0.51	35.1	36.5	37.8	36.9	37.4
2G_0379	276	0.0 to <1.0	0.08	0.99	0.57	48.1	47.6	46.5	47.8	40.9
WA_0100	46	0.0 to <0.5	0.19	0.49	0.39	12.7	17.4	16.9	12.0	23.5
1S_0890	157	0.0 to <0.5	0.1	0.49	0.35	30.6	35.6	35.0	37.7	30.1
2M_0399	143	0.0 to <0.5	0.09	0.49	0.3	35.2	38.0	36.8	35.7	31.5
2S_0446	133	0.0 to <0.5	0.07	0.49	0.32	32.0	35.0	35.1	35.7	34.4
2G_0379	106	0.0 to <0.5	0.08	0.49	0.34	47.7	48.5	47.2	47.4	44.4
WA_0100	53	0.5 to <1.0	0.5	0.94	0.66	11.0	13.1	23.3	14.1	18.1
1S_0890	356	0.5 to <1.0	0.5	0.99	0.75	26.4	29.7	29.4	29.2	29.4
2M_0399	173	0.5 to <1.0	0.5	0.99	0.72	30.1	30.1	31.0	29.6	31.8
2S_0446	122	0.5 to <1.0	0.5	0.99	0.72	35.4	37.3	38.5	37.3	38.9
2G_0379	170	0.5 to <1.0	0.5	0.99	0.71	44.5	43.9	42.3	44.0	38.1
WA_0100	1	1.0 to <1.5	1.35	1.35	1.35	0.1	0.1	0.1	0.1	0.1
1S_0890	198	1.0 to <1.5	1.0	1.49	1.23	24.5	28.5	29.3	30.8	26.9
2M_0399	66	1.0 to <1.5	1.02	1.49	1.21	32.9	33.7	32.5	33.7	31.8
2S_0446	76	1.0 to <1.5	1.0	1.49	1.2	32.6	35.0	38.2	37.5	36.6
2G_0379	64	1.0 to <1.5	1.0	1.49	1.23	30.6	29.4	29.4	29.7	28.4
WA_0100	0									
1S_0890	84	1.5 to <2.0	1.5	1.98	1.72	22.7	24.6	26.6	26.4	26.2
2M_0399	12	1.5 to <2.0	1.5	1.97	1.67	38.2	34.3	30.2	34.5	29.2
2S_0446	49	1.5 to <2.0	1.51	1.99	1.74	30.1	31.7	30.5	30.7	30.5
2G_0379	29	1.5 to <2.0	1.51	1.99	1.69	24.7	25.3	25.7	26.4	26.7
WA_0100	100	0.0 to <2.0	0.19	1.35	0.54	20.2	15.4	22.5	13.4	21.0
1S_0890	795	0.0 to <2.0	0.1	1.98	0.89	30.4	32.9	33.8	34.1	28.9
2M_0399	394	0.0 to <2.0	0.09	1.97	0.68	39.7	37.8	37.8	37.7	32.5
2S_0446	380	0.0 to <2.0	0.07	1.99	0.81	34.9	35.5	36.9	36.5	36.8
2G_0379	369	0.0 to <2.0	0.08	1.99	0.77	46.0	44.3	43.6	44.7	37.9

Data sets: WA=WAMG-M, 1S=BIGC-T1-SG, 2M=BIGC-T2-M, 2S=BIGC-T2-SG, 2G=BIGC-T2-G

17-00003

TUB-test chart WE25; Colour differences and formulae input: w/rgb/cmyk -> (w/rgb/cmyk)
VCD datasets: WA, 1S, 2M, 2S, 2G, ΔE^* ranges of CIELAB, all colours of 100