

Performance f_{STRESS} for Small Colour Difference data (SCD)

data set Calculations with data for grey backgrounds (chromaticity near D65)

Name	Pairs	Colour difference ΔE^*_{ab} range	min	max	mean	Performance f_{STRESS} calculated by formula CIELAB ΔE^*_{ab}	CMC ΔE^*_{CM}	CIE94 ΔE^*_{94}	CIEDE2000 ΔE^*_{0}	LABJND ΔE^*_{95}
WA_S0418	418	0,0 to <99,0	0,12	10,62	1,86	51,7	35,0	31,7	30,1	55,1
RA_S0312	312	0,0 to <99,0	0,77	4,40	1,43	33,4	27,3	20,2	19,5	38,3
LA_S0307	307	0,0 to <99,0	0,39	4,73	1,63	40,1	24,8	30,5	19,2	45,1
BA_S2776	2776	0,0 to <99,0	0,03	18,20	3,00	42,4	30,6	33,7	29,5	52,9
SA_S0446	446	0,0 to <99,0	0,17	7,96	3,03	42,1	31,7	28,7	29,3	45,8
WA_S0418	400	0,0 to <5,0	0,12	4,94	1,67	50,6	35,9	32,4	30,7	55,9
RA_S0312	312	0,0 to <5,0	0,77	4,40	1,43	33,4	27,3	20,2	19,5	38,3
LA_S0307	307	0,0 to <5,0	0,39	4,73	1,63	40,1	24,8	30,5	19,2	45,1
BA_S2776	2325	0,0 to <5,0	0,03	4,99	2,14	40,0	28,7	33,3	27,7	55,0
SA_S0446	385	0,0 to <5,0	0,17	4,96	2,57	38,9	32,1	28,6	28,2	47,2
WA_S0418	18	5,0 to <99,0	5,03	10,62	6,15	21,8	24,0	23,2	22,1	47,4
RA_S0312	0	5,0 to <99,0								
LA_S0307	0	5,0 to <99,0								
BA_S2776	451	5,0 to <99,0	5,00	18,20	7,43	37,4	30,6	31,8	29,8	49,4
SA_S0446	61	5,0 to <99,0	5,00	7,96	5,93	33,2	20,0	16,7	17,4	36,7
WA_S0418	17	5,0 to <10,0	5,03	8,74	5,89	21,8	25,2	24,5	23,1	49,3
RA_S0312	0	5,0 to <10,0								
LA_S0307	0	5,0 to <10,0								
BA_S2776	389	5,0 to <10,0	5,00	9,91	6,65	35,4	29,8	32,4	28,9	51,1
SA_S0446	61	5,0 to <10,0	5,00	7,96	5,93	33,2	20,0	16,7	17,4	36,7
WA_S0418	1	10,0 to <15,0	10,62	10,62	10,62	0,1	0,1	0,1	0,1	0,1
RA_S0312	0	10,0 to <15,0								
LA_S0307	0	10,0 to <15,0								
BA_S2776	53	10,0 to <15,0	10,05	14,69	11,64	31,7	25,0	22,4	25,0	42,3
SA_S0446	0	10,0 to <15,0								
WA_S0418	0	15,0 to <20,0								
RA_S0312	0	15,0 to <20,0								
LA_S0307	0	15,0 to <20,0								
BA_S2776	9	15,0 to <20,0	15,11	18,20	16,53	22,8	34,3	33,6	33,1	37,1
SA_S0446	0	15,0 to <20,0								
WA_S0418	0	20,0 to <99,0								
RA_S0312	0	20,0 to <99,0								
LA_S0307	0	20,0 to <99,0								
BA_S2776	0	20,0 to <99,0								
SA_S0446	0	20,0 to <99,0								

data sets:

WA_S0418, RA_S0312, LA_S0307, BA_S2776, SA_S0446

TUB-test chart YE18; Colour differences and formulae
 f_{STRESS} values for Small Colour Difference data (SCD)

input: w/rgb/cmyk -> (w/rgb/cmyk)