

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

data set	Calculations with data for grey surrounds (D65, P40) and $0.1 < Y < 190$				Colour difference formula and STRESS value					
	Difference ΔE^*_{CIELAB}									
Name	Pairs	ΔE^*_{ab} range	min	max	mean	CIELAB ΔE^*_{ab}	CMC ΔE^*_{CMs}	CIE94 ΔE^*_{94}	CIEDE2000 ΔE^*_{00}	LABJND ΔE^*_{85}
RI_0330	330	0.0 to <99.0	0.05	4.85	0.9	61.0	51.0	47.7	52.3	30.2
KI_0392	392	0.0 to <99.0	0.09	2.09	0.41	57.1	56.0	49.8	49.8	48.6
AV_0132	132	0.0 to <99.0	0.17	2.29	0.75	47.8	31.9	47.4	43.9	53.6
RI_0330	224	0.0 to <1.0	0.05	0.99	0.55	47.0	53.9	50.1	58.2	28.1
KI_0392	375	0.0 to <1.0	0.09	0.99	0.37	47.7	51.2	44.8	45.2	44.8
AV_0132	97	0.0 to <1.0	0.17	0.96	0.56	36.8	26.7	30.4	38.5	48.1
RI_0330	305	0.0 to <2.0	0.05	1.89	0.74	49.1	52.5	48.9	54.0	30.2
KI_0392	391	0.0 to <2.0	0.09	1.76	0.41	55.9	56.1	49.9	49.9	48.6
AV_0132	130	0.0 to <2.0	0.17	1.96	0.73	45.5	31.7	42.2	44.0	52.8
RI_0330	87	0.0 to <0.5	0.05	0.49	0.23	50.8	56.8	50.4	61.5	29.1
KI_0392	294	0.0 to <0.5	0.09	0.49	0.28	31.3	38.9	30.4	35.5	36.8
AV_0132	41	0.0 to <0.5	0.17	0.49	0.34	28.3	27.3	27.7	37.9	40.3
RI_0330	137	0.5 to <1.0	0.5	0.99	0.76	18.8	36.6	29.9	38.3	21.8
KI_0392	81	0.5 to <1.0	0.5	0.99	0.7	19.9	35.9	24.9	30.3	26.3
AV_0132	56	0.5 to <1.0	0.5	0.96	0.71	19.5	18.9	15.9	26.4	39.7
RI_0330	67	1.0 to <1.5	1.01	1.46	1.18	9.7	41.4	35.5	39.3	22.3
KI_0392	12	1.0 to <1.5	1.0	1.48	1.22	12.6	48.0	36.1	48.5	29.6
AV_0132	28	1.0 to <1.5	1.0	1.47	1.17	12.7	23.1	22.8	21.5	56.5
RI_0330	14	1.5 to <2.0	1.5	1.89	1.69	7.5	44.5	35.3	35.1	16.2
KI_0392	4	1.5 to <2.0	1.61	1.76	1.67	3.3	25.3	16.9	27.2	49.6
AV_0132	5	1.5 to <2.0	1.51	1.96	1.7	10.2	14.9	23.5	10.5	56.1

Data sets: RI=RICHTER, KI=KITTELMANN, AV=AVRAMOPOULOS

17-00003

WE600-79_1

TUB-test chart WE60; Colour differences and formulae input: w/rgb/cmyk -> (w/rgb/cmyk)
TCD datasets: RI, KI, AV, ΔE^* ranges of CIELAB, all colours of 330