

see similar files: <http://130.149.60.45/~farbmetrik/VE45/VE45L0NA.TXT>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-VE45/VE45L0NA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Ostwald optimal colours (o) of maximum (m) C _{AB} for D65, Y _w =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
0 405	32 561	58.2	-22.74	-17.89	28.94	0.5596	-0.743	218.1	16 483	37 589	Cm		%		
6 435	32 562	58.79	-26.78	-9.88	28.55	0.4948	-0.6036	200.2	17 486	42 610			%		
10 450	32 563	59.42	-33.54	4.93	33.9	0.3859	-0.3525	171.6	19 496	-1 496c			%		
12 460	33 565	60.32	-36.45	12.66	38.58	0.3461	-0.2256	160.8	21 505	-1 505c			%		
12 465	33 567	61.66	-36.65	13.24	38.97	0.356	-0.2207	160.1	21 506	-1 506c			%		
14 470	33 569	62.72	-38.14	19.32	42.76	0.3422	-0.1274	153.1	24 520	-1 520c			%		
15 475	34 573	65.29	-38.28	22.47	44.39	0.364	-0.0913	149.5	25 528	-1 528c	Gm		%		
16 480	36 580	69.95	-37.48	26.04	45.64	0.4146	-0.0632	145.2	27 537	-1 537c			%		
17 485	39 595	78.75	-32.73	31.0	45.09	0.5347	-0.0418	136.5	29 548	-1 548c			%		
18 490	-1 490c	93.8	-12.06	38.4	40.25	0.8218	-0.0261	107.4	33 565	11 459	max		%		
19 495	-1 495c	92.3	-10.68	38.39	39.85	0.8346	-0.0195	105.5	33 566	12 462			%		
20 500	-1 500c	90.42	-8.91	38.07	39.1	0.8518	-0.0144	103.1	33 567	12 464			%		
22 510	-1 510c	85.27	-4.15	36.48	36.72	0.9016	-0.0076	96.5	33 569	13 469			%		
23 520	-1 519c	81.98	-1.26	35.24	35.26	0.935	-0.0056	92.0	34 570	14 471	Ym		%		
25 530	-1 529c	74.04	5.15	32.02	32.43	1.0201	-0.0031	80.8	34 573	15 475			%		
27 540	-1 539c	64.9	11.57	28.16	30.44	1.1288	-0.0016	67.6	35 577	15 478			%		
28 545	-1 544c	60.13	14.5	26.11	29.87	1.1917	-0.0012	60.9	35 579	15 479			%		
29 550	-1 549c	55.26	17.18	24.01	29.53	1.2613	-0.0009	54.4	36 582	16 480			%		
30 555	-1 554c	50.4	19.49	21.91	29.33	1.3372	-0.0007	48.3	36 584	16 481			%		
32 560	-1 560c	41.0	22.8	17.83	28.95	1.5064	-0.0005	38.0	37 589	16 483			%		
380	770	100.0	0.0	0.0	0.01	0.9504	-0.4355	0.0					%		

Ostwald optimal colours (o) of maximum (m) C _{AB} for D65, Y _w =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
32 561	0 405	41.79	22.74	17.89	28.94	1.4946	-0.0072	38.1	37 589	16 483	Rm		%		
32 562	6 435	41.2	26.78	9.88	28.55	1.6006	-0.1956	20.2	42 610	17 486			%		
32 563	10 450	40.57	33.54	-4.93	33.9	1.7771	-0.557	351.6	-1 496c	19 496			%		
33 565	12 460	39.67	36.45	-12.66	38.58	1.8691	-0.7547	340.8	-1 505c	21 505			%		
33 567	12 465	38.33	36.65	-13.24	38.97	1.9064	-0.781	340.1	-1 506c	21 506			%		
33 569	14 470	37.27	38.14	-19.32	42.76	1.9738	-0.954	333.1	-1 520c	24 520			%		
34 573	15 475	34.7	38.28	-22.47	44.39	2.0536	-1.083	329.5	-1 528c	25 528	Mm		%		
36 580	16 480	30.04	37.48	-26.04	45.64	2.1982	-1.3026	325.2	-1 537c	27 537			%		
39 595	17 485	21.24	32.73	-31.0	45.09	2.4914	-1.8952	316.5	-1 548c	29 548			%		
-1 490c	18 490	6.19	12.06	-38.4	40.25	2.899	-6.6372	287.4	11 459	33 565	min		%		
-1 495c	19 495	7.69	10.68	-38.39	39.85	2.3392	-5.4245	285.5	12 462	33 566			%		
-1 500c	20 500	9.57	8.91	-38.07	39.1	1.8814	-4.4105	283.1	12 464	33 567			%		
-1 510c	22 510	14.72	4.15	-36.48	36.72	1.2328	-2.9143	276.5	13 469	33 569			%		
-1 519c	23 520	18.01	1.26	-35.24	35.26	1.0204	-2.3925	272.0	14 471	34 570	Bm		%		
-1 529c	25 530	25.95	-5.15	-32.02	32.43	0.7516	-1.6693	260.8	15 475	34 573			%		
-1 539c	27 540	35.09	-11.57	-28.16	30.44	0.6205	-1.238	247.6	15 478	35 577			%		
-1 544c	28 545	39.86	-14.5	-26.11	29.87	0.5865	-1.0906	240.9	15 479	35 579			%		
-1 549c	29 550	44.73	-17.18	-24.01	29.53	0.5663	-0.9725	234.4	16 480	36 582			%		
-1 554c	30 555	49.59	-19.49	-21.91	29.33	0.5572	-0.8774	228.3	16 481	36 584			%		
-1 560c	32 560	58.99	-22.8	-17.83	28.95	0.5638	-0.7379	218.0	16 483	37 589			%		
380	770	100.0	0.0	0.0	0.01	0.9504	-0.4355	0.0					%		

Ostwald optimal colours (o) of maximum (m) C _{AB} for D65, Y _{w,10} =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code			%	
0 405	31 556	56.57	-21.89	-18.32	28.54	0.5611	-0.7532	219.9	15 476	37 585	Cm			%	
6 435	31 557	57.41	-26.44	-8.79	27.86	0.4876	-0.5825	198.4	16 480	44 621				%	
10 450	31 559	57.53	-32.48	6.09	33.05	0.3834	-0.3234	169.3	18 491	-1 491c				%	
11 460	32 562	59.27	-33.9	10.52	35.5	0.3761	-0.2517	162.7	19 498	-1 498c				%	
12 465	33 565	60.91	-34.93	14.56	37.84	0.3747	-0.1903	157.3	21 506	-1 506c				%	
14 470	34 570	63.07	-35.18	20.67	40.8	0.3903	-0.1016	149.5	24 522	-1 522c				%	
15 475	35 579	68.64	-33.55	24.85	41.75	0.4593	-0.0672	143.4	26 533	-1 533c	Gm			%	
16 480	41 606	81.94	-23.65	31.88	39.7	0.6594	-0.0401	126.5	30 550	-1 550c				%	
16 485	-1 484c	92.3	-10.45	36.33	37.8	0.8348	-0.0356	106.0	32 560	10 454				%	
18 490	-1 490c	89.06	-7.57	36.55	37.33	0.863	-0.0188	101.7	32 562	11 459	max			%	
19 495	-1 495c	87.05	-5.68	36.18	36.62	0.8828	-0.0136	98.9	32 563	12 461				%	
19 500	-1 499c	87.05	-5.68	36.18	36.62	0.8828	-0.0136	98.9	32 563	12 461				%	
22 510	-1 510c	79.1	1.43	33.55	33.58	0.9662	-0.0051	87.5	33 567	13 466				%	
23 520	-1 519c	75.81	4.11	32.27	32.53	1.0024	-0.0036	82.7	33 568	13 468	Ym			%	
26 530	-1 530c	64.17	12.31	27.48	30.11	1.14	-0.001	65.8	34 573	14 472				%	
27 540	-1 539c	59.9	14.81	25.68	29.65	1.1955	-0.0005	60.0	35 576	14 473				%	
28 545	-1 544c	55.54	17.09	23.83	29.32	1.2559	-0.0002	54.3	35 578	14 474				%	
29 550	-1 549c	51.12	19.09	21.94	29.08	1.3215	-0.0001	48.9	36 580	15 475				%	
31 555	-1 555c	42.37	21.98	18.19	28.53	1.4668	0.0	39.6	37 586	15 476				%	
32 560	10 451	40.04	32.52	-6.18	33.11	1.7604	-0.5838	349.2	-1 492c	18 492				%	
380	770	100.0	0.0	0.0	0.01	0.9481	-0.4293	0.0						%	

Ostwald optimal colours (o) of maximum (m) C _{AB} for D65, Y _{w,10} =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
31 556	0 405	43.42	21.89	18.32	28.54	1.4522	-0.0074	39.9	37 585	15 476	Rm		%		
31 557	6 435	42.58	26.44	8.79	27.86	1.5691	-0.2226	18.4	44 621	16 480			%		
31 559	10 450	42.46	32.48	-6.09	33.05	1.713	-0.5727	349.3	-1 491c	18 491			%		
32 562	11 460	40.72	33.9	-10.52	35.5	1.7807	-0.6879	342.7	-1 498c	19 498			%		
33 565	12 465	39.08	34.93	-14.56	37.84	1.8419	-0.8019	337.3	-1 506c	21 506			%		
34 570	14 470	36.92	35.18	-20.67	40.8	1.901	-0.9891	329.5	-1 522c	24 522			%		
35 579	15 475	31.35	33.55	-24.85	41.75	2.0184	-1.2222	323.4	-1 533c	26 533	Mm		%		
41 606	16 480	18.05	23.65	-31.88	39.7	2.2587	-2.1959	306.5	-1 550c	30 550			%		
-1 484c	16 485	7.69	10.45	-36.33	37.8	2.306	-5.1484	286.0	10 454	32 560			%		
-1 490c	18 490	10.93	7.57	-36.55	37.33	1.6407	-3.7725	281.7	11 459	32 562	min		%		
-1 495c	19 495	12.94	5.68	-36.18	36.62	1.3873	-3.2239	278.9	12 461	32 563			%		
-1 499c	19 500	12.94	5.68	-36.18	36.62	1.3873	-3.2239	278.9	12 461	32 563			%		
-1 510c	22 510	20.89	-1.43	-33.55	33.58	0.8795	-2.035	267.5	13 466	33 567			%		
-1 519c	23 520	24.18	-4.12	-32.27	32.53	0.7777	-1.7639	262.7	13 468	33 568	Bm		%		
-1 530c	26 530	35.82	-12.31	-27.48	30.11	0.6044	-1.1965	245.8	14 472	34 573			%		
-1 539c	27 540	40.09	-14.81	-25.68	29.65	0.5785	-1.0699	240.0	14 473	35 576			%		
-1 544c	28 545	44.45	-17.09	-23.83	29.32	0.5635	-0.9653	234.3	14 474	35 578			%		
-1 549c	29 550	48.87	-19.09	-21.94	29.08	0.5575	-0.8782	228.9	15 475	36 580			%		
-1 555c	31 555	57.62	-21.98	-18.19	28.53	0.5667	-0.745	219.6	15 476	37 586			%		
10 451	32 560	59.95	-32.52	6.18	33.11	0.4056	-0.3261	169.2	18 492	-1 492c			%		
	380	770	100.0	0.0	0.0	0.01	0.9481	-0.4293	0.0				%		

see similar files: <http://130.149.60.45/~farbmetrik/VE45/VE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Ostwald optimal colours (o) of maximum (m) C _{AB} for D50, Y _w =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code			%	
1 405	32 564	57.81	-26.12	-13.56	29.43	0.5124	-0.5646	207.4	17 486	38 592	Cm			%	
7 435	33 565	58.18	-29.76	-6.19	30.4	0.4526	-0.4365	191.7	18 490	46 634				%	
10 450	33 566	58.68	-33.54	2.37	33.63	0.3924	-0.2895	175.9	19 497	-1 497c				%	
12 460	33 567	59.3	-35.7	8.25	36.64	0.3621	-0.1907	166.9	21 506	-1 506c				%	
13 465	33 568	59.95	-36.49	10.91	38.09	0.3555	-0.1478	163.3	22 511	-1 511c				%	
14 470	34 570	61.04	-36.99	13.31	39.32	0.3581	-0.1117	160.1	23 519	-1 519c				%	
15 475	34 573	62.89	-37.08	15.59	40.23	0.3745	-0.0821	157.2	25 527	-1 527c	Gm			%	
15 480	35 578	66.91	-36.91	16.91	40.6	0.4125	-0.0772	155.3	26 531	-1 531c				%	
17 485	37 587	72.24	-34.33	20.9	40.19	0.489	-0.0405	148.6	28 544	-1 544c				%	
18 490	44 620	88.02	-19.26	26.82	33.02	0.7454	-0.0251	125.6	32 561	-1 561c	max			%	
19 495	-1 495c	93.65	-7.19	29.25	30.12	0.8874	-0.0176	103.8	33 568	12 463				%	
20 500	-1 500c	91.98	-5.59	29.14	29.67	0.9033	-0.0131	100.8	33 569	13 466				%	
22 510	-1 510c	87.33	-1.23	28.19	28.22	0.95	-0.0071	92.5	34 571	14 471				%	
23 520	-1 519c	84.29	1.48	27.36	27.41	0.9818	-0.0053	86.8	34 572	14 473	Ym			%	
25 530	-1 529c	76.8	7.64	25.11	26.25	1.0637	-0.0029	73.0	35 575	15 477				%	
27 540	-1 539c	68.0	13.94	22.33	26.32	1.1692	-0.0015	58.0	35 579	16 480				%	
28 545	-1 544c	63.34	16.86	20.82	26.8	1.2304	-0.0011	50.9	36 581	16 481				%	
29 550	-1 549c	58.55	19.56	19.26	27.45	1.2983	-0.0009	44.5	36 583	16 483				%	
30 555	-1 554c	53.72	21.93	17.68	28.17	1.3724	-0.0007	38.8	37 585	16 484				%	
32 560	-1 560c	44.27	25.38	14.58	29.27	1.5375	-0.0005	29.8	38 590	17 486				%	
380	770	100.0	0.0	0.0	0.01	0.9642	-0.3299	0.0						%	

Ostwald optimal colours (o) of maximum (m) C _{AB} for D50, Y _w =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
32 564	1 405	42.18	26.12	13.56	29.43	1.5834	-0.0084	27.4	38 592	17 486	Rm		%		
33 565	7 435	41.81	29.76	6.19	30.4	1.6761	-0.1817	11.7	46 634	18 490			%		
33 566	10 450	41.31	33.54	-2.37	33.63	1.7761	-0.3874	355.9	-1 497c	19 497			%		
33 567	12 460	40.69	35.7	-8.25	36.64	1.8416	-0.5329	346.9	-1 506c	21 506			%		
33 568	13 465	40.04	36.49	-10.91	38.09	1.8756	-0.6026	343.3	-1 511c	22 511			%		
34 570	14 470	38.95	36.99	-13.31	39.32	1.9138	-0.6718	340.1	-1 519c	23 519			%		
34 573	15 475	37.1	37.08	-15.59	40.23	1.9639	-0.7502	337.2	-1 527c	25 527	Mm		%		
35 578	15 480	33.08	36.91	-16.91	40.6	2.0799	-0.8412	335.3	-1 531c	26 531			%		
37 587	17 485	27.75	34.33	-20.9	40.19	2.201	-1.0832	328.6	-1 544c	28 544			%		
44 620	18 490	11.97	19.26	-26.82	33.02	2.572	-2.5696	305.6	-1 561c	32 561	min		%		
-1 495c	19 495	6.34	7.19	-29.25	30.12	2.0975	-4.9398	283.8	12 463	33 568			%		
-1 500c	20 500	8.01	5.59	-29.14	29.67	1.6629	-3.9666	280.8	13 466	33 569			%		
-1 510c	22 510	12.66	1.23	-28.19	28.22	1.0617	-2.5572	272.5	14 471	34 571			%		
-1 519c	23 520	15.7	-1.48	-27.36	27.41	0.8696	-2.073	266.8	14 473	34 572	Bm		%		
-1 529c	25 530	23.19	-7.64	-25.11	26.25	0.6346	-1.4127	253.0	15 477	35 575			%		
-1 539c	27 540	31.99	-13.94	-22.33	26.32	0.5285	-1.0279	238.0	16 480	35 579			%		
-1 544c	28 545	36.65	-16.86	-20.82	26.8	0.504	-0.8982	230.9	16 481	36 581			%		
-1 549c	29 550	41.44	-19.56	-19.26	27.45	0.4922	-0.7949	224.5	16 483	36 583			%		
-1 554c	30 555	46.27	-21.93	-17.68	28.17	0.4903	-0.7122	218.8	16 484	37 585			%		
-1 560c	32 560	55.72	-25.38	-14.58	29.27	0.5087	-0.5917	209.8	17 486	38 590			%		
380	770	100.0	0.0	0.0	0.01	0.9642	-0.3299	0.0					%		

Ostwald optimal colours (o) of maximum (m) C _{AB} for D50, Y _{w,10} =100, Y _m =520_770, LINYAB data														%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%	
1 405	31 559	55.95	-25.08	-13.86	28.66	0.5189	-0.5733	208.9	15 479	37 589	Cm		%	
7 435	32 561	56.42	-28.9	-5.53	29.42	0.455	-0.4238	190.8	16 484	58 693			%	
10 450	32 562	56.65	-32.28	3.24	32.45	0.3973	-0.2684	174.2	18 493	-1 493c			%	
12 460	32 564	57.41	-33.96	8.98	35.12	0.3757	-0.1691	165.1	20 503	-1 503c			%	
13 465	33 566	58.48	-34.34	11.63	36.25	0.38	-0.1267	161.2	22 512	-1 512c			%	
14 470	34 570	60.63	-34.33	14.23	37.16	0.401	-0.0909	157.4	24 521	-1 521c			%	
15 475	35 576	64.51	-33.34	16.97	37.41	0.4504	-0.0624	153.0	26 531	-1 531c	Gm		%	
16 480	38 590	72.88	-29.2	20.81	35.86	0.5665	-0.04	144.5	28 543	-1 543c			%	
17 485	-1 485c	92.6	-6.09	28.04	28.69	0.9014	-0.0228	102.2	32 563	11 458			%	
18 490	-1 490c	91.1	-4.69	28.13	28.52	0.9157	-0.0168	99.4	32 564	12 460	max		%	
19 495	-1 495c	89.32	-2.98	27.98	28.14	0.9338	-0.0123	96.0	33 565	12 462			%	
20 500	-1 500c	87.23	-1.0	27.62	27.64	0.9556	-0.0089	92.0	33 566	12 464			%	
21 510	-1 509c	84.82	1.2	27.07	27.09	0.9814	-0.0065	87.4	33 567	13 466			%	
24 520	-1 520c	75.59	8.88	24.43	26.0	1.0847	-0.0023	70.0	34 571	14 471	Ym		%	
25 530	-1 529c	71.83	11.6	23.28	26.01	1.1288	-0.0015	63.4	34 573	14 473			%	
28 540	-1 540c	59.32	19.15	19.3	27.19	1.29	-0.0002	45.2	35 579	15 476			%	
29 545	-1 545c	54.91	21.22	17.87	27.75	1.3537	-0.0001	40.1	36 581	15 477			%	
29 550	-1 549c	54.91	21.22	17.87	27.75	1.3537	-0.0001	40.1	36 581	15 477			%	
31 555	-1 555c	46.06	24.31	15.0	28.56	1.4949	0.0	31.6	37 587	15 479			%	
32 560	2 411	41.79	25.61	12.8	28.63	1.5801	-0.0192	26.5	38 591	16 480			%	
380	770	99.99	0.0	0.0	0.01	0.9672	-0.3256	0.0					%	

Ostwald optimal colours (o) of maximum (m) C _{AB} for D50, Y _{w,10} =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code			%	
31 559	1 405	44.04	25.08	13.86	28.66	1.5368	-0.0108	28.9	37 589	15 479	Rm			%	
32 561	7 435	43.57	28.9	5.53	29.42	1.6305	-0.1985	10.8	58 693	16 484				%	
32 562	10 450	43.34	32.28	-3.24	32.45	1.7122	-0.4004	354.2	-1 493c	18 493				%	
32 564	12 460	42.58	33.95	-8.98	35.12	1.7646	-0.5366	345.1	-1 503c	20 503				%	
33 566	13 465	41.51	34.34	-11.63	36.25	1.7943	-0.6057	341.2	-1 512c	22 512				%	
34 570	14 470	39.36	34.33	-14.23	37.16	1.8395	-0.6872	337.4	-1 521c	24 521				%	
35 576	15 475	35.48	33.34	-16.97	37.41	1.9067	-0.804	333.0	-1 531c	26 531	Mm			%	
38 590	16 480	27.11	29.2	-20.81	35.86	2.0442	-1.0933	324.5	-1 543c	28 543				%	
-1 485c	17 485	7.39	6.09	-28.04	28.69	1.7911	-4.1155	282.2	11 458	32 563				%	
-1 490c	18 490	8.89	4.69	-28.13	28.52	1.4945	-3.4884	279.4	12 460	32 564	min			%	
-1 495c	19 495	10.67	2.98	-27.98	28.14	1.247	-2.9472	276.0	12 462	33 565				%	
-1 500c	20 500	12.76	1.0	-27.62	27.64	1.0462	-2.49	272.0	12 464	33 566				%	
-1 509c	21 510	15.17	-1.2	-27.07	27.09	0.8876	-2.1102	267.4	13 466	33 567				%	
-1 520c	24 520	24.4	-8.88	-24.43	26.0	0.6033	-1.3269	250.0	14 471	34 571	Bm			%	
-1 529c	25 530	28.16	-11.6	-23.28	26.01	0.555	-1.1521	243.4	14 473	34 573				%	
-1 540c	28 540	40.67	-19.15	-19.3	27.19	0.4963	-0.8002	225.2	15 476	35 579				%	
-1 545c	29 545	45.08	-21.22	-17.87	27.75	0.4964	-0.7221	220.1	15 477	36 581				%	
-1 549c	29 550	45.08	-21.22	-17.87	27.75	0.4964	-0.7221	220.1	15 477	36 581				%	
-1 555c	31 555	53.93	-24.31	-15.0	28.56	0.5164	-0.6038	211.6	15 479	37 587				%	
2 411	32 560	58.2	-25.61	-12.8	28.63	0.5271	-0.5456	206.5	16 480	38 591				%	
380	770	99.99	0.0	0.0	0.01	0.9672	-0.3256	0.0						%	

see similar files: <http://130.149.60.45/~farbmetrik/VE45/VE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Ostwald optimal colours (o) of maximum (m) C _{AB} for P40, Y _w =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code			%	
0 405	33 568	56.58	-28.34	-11.06	30.43	0.5083	-0.4542	201.3	17 488	38 594	Cm			%	
7 435	33 568	56.85	-31.51	-4.68	31.86	0.455	-0.3411	188.4	18 493	54 674				%	
10 450	33 569	57.27	-34.31	1.59	34.35	0.4101	-0.2309	177.3	19 499	-1 499c				%	
12 460	34 570	57.79	-35.88	5.88	36.36	0.3884	-0.1569	170.6	21 507	-1 507c				%	
13 465	34 571	58.31	-36.41	7.87	37.25	0.3848	-0.1237	167.7	22 512	-1 512c				%	
14 470	34 572	59.17	-36.74	9.67	37.99	0.3884	-0.0953	165.2	23 519	-1 519c				%	
14 475	34 574	61.12	-36.91	10.17	38.28	0.4053	-0.0923	164.5	24 522	-1 522c	Gm			%	
15 480	35 578	63.82	-36.76	12.15	38.72	0.4333	-0.0682	161.6	26 531	-1 531c				%	
17 485	37 585	68.02	-35.1	15.05	38.19	0.4932	-0.0374	156.7	28 543	-1 543c				%	
17 490	40 600	79.03	-29.44	17.89	34.46	0.6366	-0.0323	148.7	30 554	-1 554c	max			%	
19 495	-1 495c	94.87	-5.18	23.08	23.65	0.9546	-0.0154	102.6	34 571	12 464				%	
20 500	-1 500c	93.44	-3.75	23.09	23.39	0.9691	-0.0116	99.2	34 571	13 467				%	
21 510	-1 509c	91.62	-1.93	22.91	22.99	0.9882	-0.0086	94.8	34 572	13 469				%	
24 520	-1 520c	83.41	5.7	21.28	22.03	1.0777	-0.0035	74.9	35 575	15 476	Ym			%	
26 530	-1 530c	75.94	11.79	19.5	22.79	1.1646	-0.0019	58.8	35 578	16 480				%	
27 540	-1 539c	71.77	14.84	18.46	23.69	1.2161	-0.0014	51.1	36 580	16 481				%	
29 545	-1 545c	62.86	20.55	16.21	26.17	1.3362	-0.0008	38.2	36 584	16 484				%	
29 550	-1 549c	62.86	20.55	16.21	26.17	1.3362	-0.0008	38.2	36 584	16 484				%	
31 555	-1 555c	53.5	25.17	13.81	28.71	1.4798	-0.0005	28.7	37 588	17 486				%	
32 560	-1 560c	48.79	26.89	12.59	29.7	1.5605	-0.0005	25.1	38 591	17 487				%	
380	770	100.0	0.0	0.0	0.01	1.0093	-0.2587	0.0						%	

Ostwald optimal colours (o) of maximum (m) C _{AB} for P40, Y _w =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
33 568	0 405	43.41	28.34	11.06	30.43	1.6623	-0.0039	21.3	38 594	17 488	Rm		%		
33 568	7 435	43.14	31.51	4.68	31.86	1.7398	-0.1501	8.4	54 674	18 493			%		
33 569	10 450	42.72	34.31	-1.59	34.35	1.8126	-0.2959	357.3	-1 499c	19 499			%		
34 570	12 460	42.2	35.88	-5.88	36.36	1.8594	-0.3982	350.6	-1 507c	21 507			%		
34 571	13 465	41.68	36.41	-7.87	37.25	1.8826	-0.4475	347.7	-1 512c	22 512			%		
34 572	14 470	40.82	36.74	-9.67	37.99	1.9093	-0.4956	345.2	-1 519c	23 519			%		
34 574	14 475	38.87	36.91	-10.17	38.28	1.9587	-0.5204	344.5	-1 522c	24 522	Mm		%		
35 578	15 480	36.17	36.76	-12.15	38.72	2.0255	-0.5948	341.6	-1 531c	26 531			%		
37 585	17 485	31.97	35.1	-15.05	38.19	2.107	-0.7294	336.7	-1 543c	28 543			%		
40 600	17 490	20.96	29.44	-17.89	34.46	2.414	-1.1123	328.7	-1 554c	30 554	min		%		
-1 495c	19 495	5.12	5.18	-23.08	23.65	2.0215	-4.7666	282.6	12 464	34 571			%		
-1 500c	20 500	6.55	3.75	-23.09	23.39	1.5816	-3.7821	279.2	13 467	34 571			%		
-1 509c	21 510	8.37	1.93	-22.91	22.99	1.2401	-2.9941	274.8	13 469	34 572			%		
-1 520c	24 520	16.58	-5.7	-21.28	22.03	0.665	-1.5424	254.9	15 476	35 575	Bm		%		
-1 530c	26 530	24.05	-11.79	-19.5	22.79	0.5189	-1.0695	238.8	16 480	35 578			%		
-1 539c	27 540	28.22	-14.84	-18.46	23.69	0.4831	-0.9131	231.1	16 481	36 580			%		
-1 545c	29 545	37.13	-20.55	-16.21	26.17	0.4558	-0.6953	218.2	16 484	36 584			%		
-1 549c	29 550	37.13	-20.55	-16.21	26.17	0.4558	-0.6953	218.2	16 484	36 584			%		
-1 555c	31 555	46.49	-25.17	-13.81	28.71	0.4677	-0.5558	208.7	17 486	37 588			%		
-1 560c	32 560	51.2	-26.89	-12.59	29.7	0.484	-0.5047	205.1	17 487	38 591			%		
380	770	100.0	0.0	0.0	0.01	1.0093	-0.2587	0.0					%		

Ostwald optimal colours (o) of maximum (m) C _{AB} for P40, Y _{w,10} =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code			%	
0 405	32 563	54.51	-26.99	-11.55	29.36	0.5223	-0.4697	203.1	16 481	38 591	Cm			%	
7 435	32 564	54.82	-30.38	-4.21	30.67	0.4633	-0.3347	187.9	17 487	-1 487c				%	
10 450	33 565	55.07	-32.85	2.3	32.93	0.4209	-0.216	175.9	19 495	-1 495c				%	
12 460	33 567	55.74	-33.98	6.54	34.61	0.4078	-0.1403	169.0	21 505	-1 505c				%	
12 465	33 568	57.17	-34.12	6.91	34.81	0.4206	-0.1368	168.5	21 506	-1 506c				%	
14 470	34 571	58.4	-34.2	10.47	35.77	0.4318	-0.0784	162.9	24 521	-1 521c				%	
15 475	35 576	61.5	-33.53	12.44	35.76	0.4722	-0.0555	159.6	26 531	-1 531c	Gm			%	
16 480	37 585	67.98	-30.99	15.0	34.43	0.5616	-0.0371	154.1	28 542	-1 542c				%	
17 485	42 611	82.81	-18.97	19.49	27.2	0.7884	-0.0223	134.2	31 558	-1 558c				%	
17 490	-1 489c	94.15	-4.49	22.42	22.86	0.9698	-0.0196	101.3	33 566	11 458	max			%	
19 495	-1 495c	91.34	-1.68	22.56	22.62	0.9991	-0.0107	94.2	33 568	12 463				%	
20 500	-1 500c	89.52	0.12	22.37	22.37	1.0189	-0.0078	89.6	33 569	13 465				%	
22 510	-1 510c	84.94	4.48	21.54	22.0	1.0703	-0.0041	78.2	34 571	13 469				%	
23 520	-1 519c	82.13	6.97	20.92	22.06	1.1024	-0.0029	71.5	34 572	14 471	Ym			%	
25 530	-1 529c	75.59	12.23	19.38	22.92	1.1794	-0.0013	57.7	35 575	14 474				%	
28 540	-1 540c	63.89	19.86	16.45	25.79	1.3284	-0.0002	39.6	36 581	15 477				%	
28 545	-1 544c	63.89	19.86	16.45	25.79	1.3284	-0.0002	39.6	36 581	15 477				%	
30 550	-1 550c	55.35	23.97	14.26	27.89	1.4506	0.0	30.7	37 585	15 479				%	
31 555	-1 555c	50.95	25.53	13.13	28.71	1.5185	0.0	27.2	37 587	16 480				%	
31 560	-1 559c	50.95	25.53	13.13	28.71	1.5185	0.0	27.2	37 587	16 480				%	
380	770	100.0	0.0	0.0	0.01	1.0175	-0.2577	0.0						%	

Ostwald optimal colours (o) of maximum (m) C _{AB} for P40, Y _{w,10} =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
32 563	0 405	45.48	26.99	11.55	29.36	1.6108	-0.0037	23.1	38 591	16 481	Rm		%		
32 564	7 435	45.17	30.38	4.21	30.67	1.69	-0.1644	7.9	-1 487c	17 487			%		
33 565	10 450	44.92	32.85	-2.3	32.93	1.7488	-0.3089	355.9	-1 495c	19 495			%		
33 567	12 460	44.25	33.98	-6.54	34.6	1.7854	-0.4057	349.0	-1 505c	21 505			%		
33 568	12 465	42.82	34.12	-6.91	34.81	1.8142	-0.4192	348.5	-1 506c	21 506			%		
34 571	14 470	41.59	34.2	-10.47	35.77	1.8399	-0.5096	342.9	-1 521c	24 521			%		
35 576	15 475	38.49	33.53	-12.44	35.76	1.8886	-0.5809	339.6	-1 531c	26 531	Mm		%		
37 585	16 480	32.01	30.99	-15.0	34.43	1.9856	-0.7264	334.1	-1 542c	28 542			%		
42 611	17 485	17.18	18.97	-19.49	27.2	2.1216	-1.3925	314.2	-1 558c	31 558			%		
-1 489c	17 490	5.84	4.49	-22.42	22.86	1.7863	-4.0958	281.3	11 458	33 566	min		%		
-1 495c	19 495	8.65	1.67	-22.56	22.62	1.2115	-2.8646	274.2	12 463	33 568			%		
-1 500c	20 500	10.47	-0.12	-22.37	22.37	1.0051	-2.3947	269.6	13 465	33 569			%		
-1 510c	22 510	15.05	-4.48	-21.54	22.0	0.7194	-1.6888	258.2	13 469	34 571			%		
-1 519c	23 520	17.86	-6.97	-20.92	22.06	0.6269	-1.4294	251.5	14 471	34 572	Bm		%		
-1 529c	25 530	24.4	-12.23	-19.38	22.92	0.516	-1.0518	237.7	14 474	35 575			%		
-1 540c	28 540	36.1	-19.86	-16.45	25.79	0.4671	-0.7135	219.6	15 477	36 581			%		
-1 544c	28 545	36.1	-19.86	-16.45	25.79	0.4671	-0.7135	219.6	15 477	36 581			%		
-1 550c	30 550	44.64	-23.97	-14.26	27.89	0.4805	-0.5773	210.7	15 479	37 585			%		
-1 555c	31 555	49.04	-25.53	-13.13	28.71	0.4968	-0.5256	207.2	16 480	37 587			%		
-1 559c	31 560	49.04	-25.53	-13.13	28.71	0.4968	-0.5256	207.2	16 480	37 587			%		
380	770	100.0	0.0	0.0	0.01	1.0175	-0.2577	0.0					%		

see similar files: <http://130.149.60.45/~farbmetrik/VE45/VE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Ostwald optimal colours (o) of maximum (m) C _{AB} for A00, Y _w =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code			%	
1 405 34 574	54.67	-32.45	-6.33	33.06	0.5048	-0.2581	191.0	18 494	39 599	Cm				%	
6 435 34 574	54.85	-33.42	-4.41	33.71	0.4891	-0.2227	187.5	19 496	42 611					%	
9 450 34 574	55.12	-34.79	-1.48	34.82	0.4673	-0.1692	182.4	20 501	-1 501c					%	
12 460 35 575	55.33	-36.07	1.97	36.12	0.4465	-0.1066	176.8	21 508	-1 508c					%	
13 465 35 575	55.6	-36.34	3.09	36.47	0.4448	-0.0866	175.1	22 512	-1 512c					%	
13 470 35 576	56.26	-36.37	3.18	36.51	0.452	-0.0856	174.9	22 513	-1 513c					%	
14 475 35 577	57.11	-36.53	4.26	36.78	0.4587	-0.0677	173.3	23 519	-1 519c	Gm				%	
16 480 35 579	58.19	-36.35	5.87	36.82	0.4738	-0.0414	170.8	26 532	-1 532c					%	
17 485 36 582	60.55	-35.75	6.72	36.38	0.5079	-0.0312	169.3	28 540	-1 540c					%	
18 490 37 588	64.98	-34.21	7.77	35.08	0.572	-0.0226	167.1	29 548	-1 548c	max				%	
19 495 40 601	74.48	-28.33	9.45	29.86	0.718	-0.0153	161.5	31 559	-1 559c					%	
20 500 -1 500c	95.67	-0.63	12.74	12.76	1.0918	-0.0091	92.8	35 576	13 469					%	
21 510 -1 509c	94.31	0.84	12.77	12.8	1.1074	-0.0069	86.2	35 576	14 472					%	
24 520 -1 520c	87.81	7.47	12.23	14.33	1.1836	-0.003	58.5	35 579	16 480	Ym				%	
26 530 -1 530c	81.5	13.16	11.46	17.45	1.26	-0.0017	41.0	36 582	16 484					%	
28 540 -1 540c	73.92	19.16	10.44	21.82	1.3576	-0.001	28.6	37 585	17 487					%	
28 545 -1 544c	73.92	19.16	10.44	21.82	1.3576	-0.001	28.6	37 585	17 487					%	
29 550 -1 549c	69.75	22.06	9.87	24.17	1.4148	-0.0007	24.1	37 586	17 489					%	
31 555 -1 555c	60.83	27.26	8.62	28.59	1.5466	-0.0005	17.5	38 590	18 491					%	
32 560 -1 560c	56.18	29.36	7.96	30.43	1.6212	-0.0004	15.1	38 593	18 492					%	
380 770 99.99	0.0	0.0	0.0	0.01	1.0984	-0.1423	0.0							%	

Ostwald optimal colours (o) of maximum (m) C _{AB} for A00, Y _w =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code			%	
34 574 1 405	45.32	32.45	6.33	33.06	1.8145	-0.0026	11.0	39 599	18 494	Rm				%	
34 574 6 435	45.14	33.42	4.41	33.71	1.8389	-0.0445	7.5	42 611	19 496					%	
34 574 9 450	44.87	34.79	1.48	34.82	1.8738	-0.1092	2.4	-1 501c	20 501					%	
35 575 12 460	44.66	36.07	-1.97	36.12	1.9059	-0.1865	356.8	-1 508c	21 508					%	
35 575 13 465	44.39	36.34	-3.09	36.47	1.917	-0.212	355.1	-1 512c	22 512					%	
35 576 13 470	43.73	36.37	-3.18	36.51	1.9301	-0.2152	354.9	-1 513c	22 513					%	
35 577 14 475	42.88	36.53	-4.26	36.78	1.9503	-0.2416	353.3	-1 519c	23 519	Mm				%	
35 579 16 480	41.8	36.35	-5.87	36.82	1.9681	-0.2827	350.8	-1 532c	26 532					%	
36 582 17 485	39.44	35.75	-6.72	36.38	2.005	-0.3129	349.3	-1 540c	28 540					%	
37 588 18 490	35.01	34.21	-7.77	35.08	2.0756	-0.3644	347.1	-1 548c	29 548	min				%	
40 601 19 495	25.51	28.33	-9.45	29.86	2.2087	-0.5129	341.5	-1 559c	31 559					%	
-1 500c 20 500	4.32	0.63	-12.74	12.76	1.2447	-3.0904	272.8	13 469	35 576					%	
-1 509c 21 510	5.68	-0.84	-12.77	12.8	0.9493	-2.3881	266.2	14 472	35 576					%	
-1 520c 24 520	12.18	-7.47	-12.23	14.33	0.485	-1.146	238.5	16 480	35 579	Bm				%	
-1 530c 26 530	18.49	-13.16	-11.46	17.45	0.3863	-0.7621	221.0	16 484	36 582					%	
-1 540c 28 540	26.07	-19.16	-10.44	21.82	0.3634	-0.543	208.6	17 487	37 585					%	
-1 544c 28 545	26.07	-19.16	-10.44	21.82	0.3634	-0.543	208.6	17 487	37 585					%	
-1 549c 29 550	30.24	-22.06	-9.87	24.17	0.3688	-0.4687	204.1	17 489	37 586					%	
-1 555c 31 555	39.16	-27.26	-8.62	28.59	0.4022	-0.3625	197.5	18 491	38 590					%	
-1 560c 32 560	43.81	-29.37	-7.96	30.43	0.4281	-0.3242	195.1	18 492	38 593					%	
380 770 99.99	0.0	0.0	0.0	0.01	1.0984	-0.1423	0.0							%	

Ostwald optimal colours (o) of maximum (m) C _{AB} for A00, Y _{w,10} =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code			%	
1 405 34 570	52.26	-30.52	-6.57	31.22	0.5273	-0.2665	192.1	17 487	39 597	Cm				%	
7 435 34 570	52.46	-31.93	-3.37	32.11	0.5028	-0.2051	186.0	18 491	47 639					%	
9 450 34 571	52.77	-32.78	-1.15	32.8	0.4903	-0.1627	182.0	19 495	-1 495c					%	
12 460 34 572	53.0	-33.72	2.34	33.8	0.4751	-0.0964	176.0	21 505	-1 505c					%	
13 465 34 573	53.47	-33.84	3.46	34.02	0.4785	-0.076	174.1	22 512	-1 512c					%	
14 470 34 574	54.4	-33.82	4.5	34.12	0.4898	-0.058	172.4	24 520	-1 520c					%	
15 475 35 576	55.98	-33.44	5.46	33.88	0.5141	-0.0432	170.7	25 528	-1 528c	Gm				%	
16 480 36 581	59.09	-32.57	6.48	33.21	0.5602	-0.031	168.7	27 537	-1 537c					%	
17 485 37 588	64.82	-30.16	7.74	31.14	0.6461	-0.0213	165.6	29 547	-1 547c					%	
18 490 41 609	78.98	-19.9	10.08	22.31	0.8594	-0.0131	153.1	32 561	-1 561c	max				%	
19 495 -1 495c	94.47	0.7	12.53	12.55	1.1189	-0.0081	86.7	34 573	13 465					%	
20 500 -1 500c	93.13	2.17	12.54	12.73	1.1348	-0.006	80.1	34 573	13 468					%	
21 510 -1 509c	91.52	3.88	12.47	13.06	1.154	-0.0045	72.6	34 574	14 470					%	
24 520 -1 520c	84.75	10.47	11.79	15.77	1.235	-0.0016	48.3	35 577	15 476	Ym				%	
25 530 -1 529c	81.86	12.99	11.43	17.3	1.2701	-0.0011	41.3	35 578	15 477					%	
27 540 -1 539c	75.17	18.19	10.55	21.03	1.3535	-0.0004	30.1	36 581	16 480					%	
29 545 -1 545c	67.47	23.18	9.49	25.05	1.4551	0.0	22.2	37 585	16 483					%	
30 550 -1 550c	63.33	25.4	8.91	26.92	1.5126	0.0	19.3	37 587	16 484					%	
31 555 -1 555c	59.02	27.33	8.31	28.57	1.5746	0.0	16.9	37 589	17 485					%	
32 560 -1 560c	54.59	28.9	7.68	29.9	1.6408	0.0	14.8	38 592	17 486					%	
380 770 99.99	0.0	0.0	0.0	0.01	1.1115	-0.1407	0.0							%	

Ostwald optimal colours (o) of maximum (m) C _{AB} for A00, Y _{w,10} =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code			%	
34 570 1 405	47.73	30.52	6.57	31.22	1.751	-0.0031	12.1	39 597	17 487	Rm			%		
34 570 7 435	47.53	31.93	3.37	32.11	1.7834	-0.0697	6.0	47 639	18 491				%		
34 571 9 450	47.22	32.78	1.15	32.8	1.8057	-0.1163	2.0	-1 495c	19 495				%		
34 572 12 460	46.99	33.72	-2.34	33.8	1.8291	-0.1907	356.0	-1 505c	21 505				%		
34 573 13 465	46.52	33.84	-3.46	34.02	1.8391	-0.2152	354.1	-1 512c	22 512				%		
34 574 14 470	45.59	33.82	-4.5	34.12	1.8533	-0.2395	352.4	-1 520c	24 520				%		
35 576 15 475	44.01	33.44	-5.46	33.88	1.8713	-0.2649	350.7	-1 528c	25 528	Mm			%		
36 581 16 480	40.9	32.57	-6.48	33.21	1.9077	-0.2993	348.7	-1 537c	27 537				%		
37 588 17 485	35.17	30.16	-7.74	31.14	1.9692	-0.3609	345.6	-1 547c	29 547				%		
41 609 18 490	21.01	19.9	-10.08	22.31	2.0586	-0.6206	333.1	-1 561c	32 561	min			%		
-1 495c 19 495	5.52	-0.7	-12.53	12.55	0.9836	-2.4099	266.7	13 465	34 573				%		
-1 500c 20 500	6.86	-2.17	-12.54	12.73	0.7953	-1.9687	260.1	13 468	34 573				%		
-1 509c 21 510	8.47	-3.88	-12.47	13.06	0.6527	-1.6117	252.6	14 470	34 574				%		
-1 520c 24 520	15.24	-10.47	-11.79	15.77	0.4243	-0.9143	228.3	15 476	35 577	Bm			%		
-1 529c 25 530	18.13	-12.99	-11.43	17.3	0.3952	-0.7712	221.3	15 477	35 578				%		
-1 539c 27 540	24.82	-18.19	-10.55	21.03	0.3784	-0.5659	210.1	16 480	36 581				%		
-1 545c 29 545	32.52	-23.18	-9.49	25.05	0.3985	-0.4327	202.2	16 483	37 585				%		
-1 550c 30 550	36.66	-25.4	-8.91	26.92	0.4186	-0.3839	199.3	16 484	37 587				%		
-1 555c 31 555	40.97	-27.33	-8.31	28.57	0.4442	-0.3436	196.9	17 485	37 589				%		
-1 560c 32 560	45.4	-28.9	-7.68	29.9	0.4748	-0.3101	194.8	17 486	38 592				%		
380 770	99.99	0.0	0.0	0.01	1.1115	-0.1407	0.0						%		

see similar files: <http://130.149.60.45/~farbmetrik/VE45/VE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-VE45/VE45L0NA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Ostwald optimal colours (o) of maximum (m) C _{AB} for E00, Y _w =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
1 405	32 564	57.42	-24.95	-16.34	29.83	0.5653	-0.6845	213.2	16 484	38 592	Cm		%		
6 435	33 565	57.91	-29.14	-7.99	30.22	0.4967	-0.538	195.3	17 488	45 627			%		
10 450	33 566	58.45	-35.13	5.29	35.53	0.3988	-0.3094	171.4	19 498	-1 498c			%		
12 460	33 568	59.28	-37.54	11.81	39.35	0.3666	-0.2007	162.5	21 507	-1 507c			%		
13 465	33 569	60.14	-38.45	14.78	41.19	0.3606	-0.1541	158.9	22 514	-1 514c			%		
14 470	34 571	61.52	-38.94	17.52	42.7	0.3669	-0.1152	155.7	24 522	-1 522c			%		
14 475	35 575	64.53	-39.14	18.72	43.38	0.3934	-0.1098	154.4	25 525	-1 525c	Gm		%		
16 480	36 581	68.21	-38.3	23.26	44.81	0.4385	-0.0589	148.7	27 538	-1 538c			%		
17 485	39 595	76.7	-34.16	27.66	43.96	0.5546	-0.0393	140.9	29 549	-1 549c			%		
18 490	-1 490c	94.54	-11.19	35.56	37.28	0.8815	-0.0238	107.4	33 568	11 459	max		%		
19 495	-1 495c	93.18	-9.88	35.6	36.94	0.8939	-0.0179	105.5	33 568	12 461			%		
19 500	-1 499c	93.18	-9.88	35.6	36.94	0.8939	-0.0179	105.5	33 568	12 461			%		
22 510	-1 510c	86.74	-3.57	34.08	34.26	0.9587	-0.0071	95.9	34 571	13 469			%		
24 520	-1 520c	80.14	2.4	31.74	31.83	1.0299	-0.0038	85.6	34 574	14 473	Ym		%		
26 530	-1 530c	72.11	8.87	28.69	30.03	1.123	-0.0021	72.8	35 577	15 477			%		
28 540	-1 540c	63.21	15.04	25.21	29.35	1.2379	-0.0011	59.1	36 581	15 479			%		
29 545	-1 545c	58.59	17.8	23.38	29.39	1.3039	-0.0009	52.7	36 583	16 480			%		
29 550	-1 549c	58.59	17.8	23.38	29.39	1.3039	-0.0009	52.7	36 583	16 480			%		
30 555	-1 554c	53.92	20.26	21.53	29.56	1.3757	-0.0007	46.7	37 585	16 482			%		
32 560	-1 560c	44.64	23.98	17.83	29.88	1.5372	-0.0005	36.6	38 590	16 483			%		
380	770	100.0	0.0	0.0	0.01	1.0	-0.4	0.0					%		

Ostwald optimal colours (o) of maximum (m) C _{AB} for E00, Y _w =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
32 564	1 405	42.57	24.95	16.34	29.83	1.5862	-0.0161	33.2	38 592	16 484	Rm		%		
33 565	6 435	42.08	29.14	7.99	30.22	1.6926	-0.21	15.3	45 627	17 488			%		
33 566	10 450	41.54	35.13	-5.29	35.53	1.8457	-0.5274	35.14	-1 498c	19 498			%		
33 568	12 460	40.71	37.54	-11.81	39.35	1.9221	-0.6901	34.25	-1 507c	21 507			%		
33 569	13 465	39.85	38.45	-14.78	41.19	1.9647	-0.771	33.89	-1 514c	22 514			%		
34 571	14 470	38.47	38.94	-17.51	42.7	2.0122	-0.8553	33.57	-1 522c	24 522			%		
35 575	14 475	35.46	39.14	-18.72	43.38	2.1036	-0.9278	33.44	-1 525c	25 525	Mm		%		
36 581	16 480	31.78	38.3	-23.26	44.81	2.205	-1.1319	32.87	-1 538c	27 538			%		
39 595	17 485	23.29	34.16	-27.66	43.96	2.4665	-1.5876	32.09	-1 549c	29 549			%		
-1 490c	18 490	5.45	11.19	-35.56	37.28	3.0513	-6.9152	287.4	11 459	33 568	min		%		
-1 495c	19 495	6.81	9.88	-35.6	36.94	2.4491	-5.6211	285.5	12 461	33 568			%		
-1 499c	19 500	6.81	9.88	-35.6	36.94	2.4491	-5.6211	285.5	12 461	33 568			%		
-1 510c	22 510	13.25	3.57	-34.08	34.26	1.2699	-2.9707	275.9	13 469	34 571			%		
-1 520c	24 520	19.85	-2.4	-31.74	31.83	0.879	-1.9985	265.6	14 473	34 574	Bm		%		
-1 530c	26 530	27.88	-8.87	-28.69	30.03	0.6818	-1.4288	252.8	15 477	35 577			%		
-1 540c	28 540	36.78	-15.04	-25.21	29.35	0.591	-1.0854	239.1	15 479	36 581			%		
-1 545c	29 545	41.4	-17.8	-23.38	29.39	0.5699	-0.9647	232.7	16 480	36 583			%		
-1 549c	29 550	41.4	-17.8	-23.38	29.39	0.5699	-0.9647	232.7	16 480	36 583			%		
-1 554c	30 555	46.07	-20.26	-21.53	29.56	0.5601	-0.8673	226.7	16 482	37 585			%		
-1 560c	32 560	55.35	-23.98	-17.83	29.88	0.5668	-0.7221	216.6	16 483	38 590			%		
380	770	100.0	0.0	0.0	0.01	1.0	-0.4	0.0					%		

Ostwald optimal colours (o) of maximum (m) C _{AB} for E00, Y _{w,10} =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
1 405	31 559	55.67	-23.85	-16.83	29.19	0.5714	-0.7023	215.2	15 477	37 589	Cm		%		
7 435	32 561	56.07	-29.8	-3.91	30.06	0.4683	-0.4698	187.4	16 484	-1 484c			%		
10 450	32 562	56.42	-33.81	6.43	34.42	0.4005	-0.2859	169.2	18 493	-1 493c			%		
12 460	33 565	57.5	-35.67	12.82	37.91	0.3794	-0.177	160.2	21 506	-1 506c			%		
13 465	33 568	58.96	-36.09	15.86	39.42	0.3878	-0.1309	156.2	23 515	-1 515c			%		
13 470	34 572	62.72	-36.13	17.37	40.09	0.4238	-0.123	154.3	24 520	-1 520c			%		
14 475	36 581	68.2	-35.02	21.58	41.14	0.4863	-0.0836	148.3	26 532	-1 532c	Gm		%		
16 480	40 604	80.28	-25.55	29.1	38.73	0.6815	-0.0374	131.2	30 551	-1 551c			%		
17 485	-1 485c	91.81	-8.69	34.56	35.64	0.9052	-0.0235	104.1	32 564	11 456			%		
18 490	-1 490c	90.24	-7.16	34.54	35.28	0.9204	-0.0171	101.7	32 564	11 458	max		%		
19 495	-1 495c	88.4	-5.35	34.26	34.67	0.9393	-0.0124	98.8	33 565	12 460			%		
20 500	-1 500c	86.28	-3.26	33.73	33.89	0.962	-0.009	95.5	33 566	12 462			%		
22 510	-1 510c	81.07	1.59	32.05	32.09	1.0195	-0.0047	87.1	33 569	13 466			%		
23 520	-1 519c	77.97	4.29	30.93	31.22	1.0549	-0.0033	82.1	34 570	13 468	Ym		%		
25 530	-1 529c	70.93	9.82	28.26	29.92	1.1384	-0.0015	70.8	34 573	14 470			%		
27 540	-1 539c	63.03	15.1	25.18	29.36	1.2395	-0.0005	59.0	35 577	14 473			%		
29 545	-1 545c	54.64	19.62	21.85	29.37	1.359	0.0	48.0	36 582	15 475			%		
29 550	-1 549c	54.64	19.62	21.85	29.37	1.359	0.0	48.0	36 582	15 475			%		
31 555	-1 555c	46.09	22.87	18.44	29.38	1.4962	0.0	38.8	37 587	15 476			%		
32 560	3 415	41.99	25.16	14.2	28.89	1.5991	-0.0619	29.4	39 595	15 478			%		
380	770	99.99	0.0	0.0	0.01	0.9999	-0.4	0.0					%		

Ostwald optimal colours (o) of maximum (m) C _{AB} for E00, Y _{w,10} =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
31 559	1 405	44.32	23.85	16.83	29.19	1.5381	-0.0202	35.2	37 589	15 477	Rm		%		
32 561	7 435	43.92	29.8	3.91	30.06	1.6786	-0.3109	7.4	-1 484c	16 484			%		
32 562	10 450	43.57	33.81	-6.43	34.42	1.7759	-0.5476	34.92	-1 493c	18 493			%		
33 565	12 460	42.49	35.67	-12.82	37.91	1.8394	-0.7017	34.02	-1 506c	21 506			%		
33 568	13 465	41.03	36.09	-15.86	39.42	1.8794	-0.7867	33.62	-1 515c	23 515			%		
34 572	13 470	37.27	36.13	-17.37	40.09	1.9695	-0.8662	33.43	-1 520c	24 520			%		
36 581	14 475	31.79	35.02	-21.58	41.14	2.1017	-1.0788	32.83	-1 532c	26 532	Mm		%		
40 604	16 480	19.71	25.55	-29.1	38.73	2.2961	-1.8762	31.12	-1 551c	30 551			%		
-1 485c	17 485	8.18	8.69	-34.56	35.64	2.0622	-4.6232	284.1	11 456	32 564			%		
-1 490c	18 490	9.75	7.16	-34.54	35.28	1.7342	-3.9405	281.7	11 458	32 564	min		%		
-1 495c	19 495	11.59	5.35	-34.26	34.67	1.4614	-3.3554	278.8	12 460	33 565			%		
-1 500c	20 500	13.71	3.26	-33.73	33.89	1.2379	-2.8589	275.5	12 462	33 566			%		
-1 510c	22 510	18.92	-1.59	-32.05	32.08	0.9156	-2.0933	267.1	13 466	33 569			%		
-1 519c	23 520	22.02	-4.29	-30.93	31.22	0.805	-1.8041	262.1	13 468	34 570	Bm		%		
-1 529c	25 530	29.06	-9.82	-28.26	29.92	0.6618	-1.3726	250.8	14 470	34 573			%		
-1 539c	27 540	36.96	-15.1	-25.18	29.36	0.5912	-1.0813	239.0	14 473	35 577			%		
-1 545c	29 545	45.35	-19.62	-21.85	29.37	0.5673	-0.8818	228.0	15 475	36 582			%		
-1 549c	29 550	45.35	-19.62	-21.85	29.37	0.5673	-0.8818	228.0	15 475	36 582			%		
-1 555c	31 555	53.9	-22.87	-18.44	29.38	0.5754	-0.7421	218.8	15 476	37 587			%		
3 415	32 560	58.0	-25.16	-14.2	28.89	0.5659	-0.6448	209.4	15 478	39 595			%		
380	770	99.99	0.0	0.0	0.01	0.9999	-0.4	0.0					%		

see similar files: <http://130.149.60.45/~farbmetrik/VE45/VE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-VE45/VE45L0NA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Ostwald optimal colours (o) of maximum (m) C _{AB} for C00, Y _w =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
1 405	32 562	57.68	-22.06	-19.53	29.46	0.5982	-0.8115	221.5	16 482	37 589	Cm		%		
6 435	32 563	58.35	-26.63	-10.46	28.61	0.5242	-0.6521	201.4	17 486	42 612			%		
10 450	32 564	59.09	-34.15	5.95	34.66	0.4027	-0.3721	170.1	19 496	-1 496c			%		
11 460	33 566	60.53	-35.97	10.59	37.5	0.3865	-0.2979	163.5	20 501	-1 501c			%		
13 465	33 568	61.21	-38.26	17.87	42.23	0.3556	-0.1808	154.9	22 513	-1 513c			%		
14 470	34 570	62.96	-39.0	21.41	44.49	0.3611	-0.1328	151.2	24 522	-1 522c			%		
15 475	35 575	65.92	-39.2	24.97	46.47	0.3861	-0.0941	147.5	26 530	-1 530c	Gm		%		
16 480	36 582	71.08	-38.02	29.06	47.86	0.4457	-0.064	142.6	28 540	-1 540c			%		
16 485	40 602	82.56	-32.13	34.48	47.13	0.5915	-0.0552	132.9	30 551	-1 551c			%		
18 490	-1 490c	93.33	-13.13	41.73	43.75	0.8399	-0.0257	107.4	33 566	11 459	max		%		
19 495	-1 495c	91.77	-11.66	41.66	43.26	0.8536	-0.0188	105.6	33 567	12 462			%		
19 500	-1 499c	91.77	-11.66	41.66	43.26	0.8536	-0.0188	105.6	33 567	12 462			%		
21 510	-1 509c	87.66	-7.68	40.59	41.31	0.893	-0.0098	100.7	33 568	13 466			%		
24 520	-1 520c	78.6	0.51	36.85	36.86	0.9872	-0.0039	89.2	34 572	14 472	Ym		%		
26 530	-1 530c	70.68	6.73	33.27	33.94	1.076	-0.0021	78.5	35 575	15 475			%		
28 540	-1 540c	61.57	12.87	29.04	31.76	1.1898	-0.0012	66.0	35 579	15 478			%		
28 545	-1 544c	61.57	12.87	29.04	31.76	1.1898	-0.0012	66.0	35 579	15 478			%		
29 550	-1 549c	56.72	15.68	26.77	31.02	1.2572	-0.0009	59.6	36 581	15 479			%		
31 555	-1 555c	46.84	20.29	22.12	30.01	1.4138	-0.0006	47.4	37 586	16 481			%		
31 560	-1 559c	46.84	20.29	22.12	30.01	1.4138	-0.0006	47.4	37 586	16 481			%		
380	770	100.0	0.0	0.0	0.01	0.9807	-0.4729	0.0					%		

Ostwald optimal colours (o) of maximum (m) C _{AB} for C00, Y _w =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
32 562	1 405	42.31	22.06	19.53	29.46	1.5021	-0.0112	41.5	37 589	16 482	Rm		%		
32 563	6 435	41.64	26.63	10.46	28.61	1.6203	-0.2217	21.4	42 612	17 486			%		
32 564	10 450	40.9	34.15	-5.95	34.66	1.8156	-0.6185	350.1	-1 496c	19 496			%		
33 566	11 460	39.46	35.97	-10.59	37.5	1.8923	-0.7413	343.5	-1 501c	20 501			%		
33 568	13 465	38.78	38.26	-17.87	42.23	1.9672	-0.9337	334.9	-1 513c	22 513			%		
34 570	14 470	37.03	39.0	-21.41	44.49	2.0339	-1.051	331.2	-1 522c	24 522			%		
35 575	15 475	34.07	39.2	-24.97	46.47	2.1312	-1.2058	327.5	-1 530c	26 530	Mm		%		
36 582	16 480	28.91	38.02	-29.06	47.86	2.2957	-1.4779	322.6	-1 540c	28 540			%		
40 602	16 485	17.43	32.13	-34.48	47.13	2.8233	-2.4506	312.9	-1 551c	30 551			%		
-1 490c	18 490	6.66	13.13	-41.73	43.74	2.9514	-6.7332	287.4	11 459	33 566	min		%		
-1 495c	19 495	8.22	11.65	-41.66	43.26	2.3981	-5.5382	285.6	12 462	33 567			%		
-1 499c	19 500	8.22	11.65	-41.66	43.26	2.3981	-5.5382	285.6	12 462	33 567			%		
-1 509c	21 510	12.33	7.68	-40.59	41.31	1.6036	-3.7648	280.7	13 466	33 568			%		
-1 520c	24 520	21.39	-0.51	-36.85	36.86	0.9567	-2.1957	269.2	14 472	34 572	Bm		%		
-1 530c	26 530	29.31	-6.73	-33.27	33.94	0.7508	-1.608	258.5	15 475	35 575			%		
-1 540c	28 540	38.42	-12.87	-29.04	31.76	0.6456	-1.2287	246.0	15 478	35 579			%		
-1 544c	28 545	38.42	-12.87	-29.04	31.76	0.6456	-1.2287	246.0	15 478	35 579			%		
-1 549c	29 550	43.27	-15.68	-26.77	31.02	0.6183	-1.0915	239.6	15 479	36 581			%		
-1 555c	31 555	53.15	-20.29	-22.12	30.01	0.5989	-0.889	227.4	16 481	37 586			%		
-1 559c	31 560	53.15	-20.29	-22.12	30.01	0.5989	-0.889	227.4	16 481	37 586			%		
380	770	100.0	0.0	0.0	0.01	0.9807	-0.4729	0.0					%		

Ostwald optimal colours (o) of maximum (m) C _{AB} for C00, Y _{w,10} =100, Y _m =520_770, LINYAB data														%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%	
1 405	31 556	55.88	-21.31	-19.85	29.12	0.5914	-0.8198	222.9	15 475	37 586	Cm		%	
6 435	31 558	56.84	-26.27	-9.42	27.91	0.5106	-0.6304	199.7	16 480	44 623			%	
9 450	32 560	57.53	-31.55	3.12	31.7	0.4244	-0.4102	174.3	17 487	-1 487c			%	
12 460	32 563	58.32	-35.2	14.89	38.22	0.3692	-0.2092	157.0	20 504	-1 504c			%	
12 465	33 566	60.99	-35.5	16.13	38.99	0.3908	-0.2001	155.5	21 507	-1 507c			%	
13 470	34 572	64.68	-35.85	20.86	41.48	0.4185	-0.1419	149.8	24 520	-1 520c			%	
14 475	36 582	71.25	-34.22	26.39	43.21	0.4925	-0.0941	142.3	26 533	-1 533c	Gm		%	
16 480	44 622	86.64	-18.57	36.86	41.27	0.7584	-0.0391	116.7	31 556	0 403			%	
17 485	-1 485c	90.11	-9.86	39.49	40.7	0.8633	-0.0263	104.0	32 562	11 456			%	
18 490	-1 490c	88.26	-8.11	39.35	40.18	0.8809	-0.0186	101.6	32 563	11 459	max		%	
19 495	-1 495c	86.17	-6.11	38.9	39.37	0.9019	-0.0131	98.9	32 564	12 461			%	
20 500	-1 500c	83.86	-3.9	38.18	38.38	0.9262	-0.0093	95.8	33 565	12 463			%	
22 510	-1 510c	78.57	0.89	36.13	36.14	0.9842	-0.0047	88.5	33 567	13 466			%	
24 520	-1 520c	72.29	6.0	33.41	33.95	1.0559	-0.0023	79.8	34 570	13 468	Ym		%	
26 530	-1 530c	64.98	11.13	30.12	32.11	1.1441	-0.0009	69.7	34 574	14 471			%	
28 540	-1 540c	56.66	15.93	26.31	30.76	1.2541	-0.0002	58.7	35 578	14 473			%	
28 545	-1 544c	56.66	15.93	26.31	30.76	1.2541	-0.0002	58.7	35 578	14 473			%	
29 550	-1 549c	52.27	18.02	24.28	30.24	1.3177	-0.0001	53.4	36 580	14 474			%	
31 555	-1 555c	43.32	21.19	20.12	29.23	1.462	0.0	43.5	37 585	15 475			%	
31 560	9 447	45.07	31.01	-2.23	31.09	1.6609	-0.5141	355.8	-1 487c	17 487			%	
380	770	99.99	0.0	0.0	0.01	0.9728	-0.4645	0.0					%	

Ostwald optimal colours (o) of maximum (m) C _{AB} for C00, Y _{w,10} =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
31 556	1 405	44.11	21.31	19.85	29.12	1.4559	-0.0145	42.9	37 586	15 475	Rm		%		
31 558	6 435	43.15	26.27	9.42	27.91	1.5816	-0.246	19.7	44 623	16 480			%		
32 560	9 450	42.46	31.55	-3.12	31.7	1.7158	-0.5382	354.3	-1 487c	17 487			%		
32 563	12 460	41.67	35.2	-14.89	38.22	1.8176	-0.8219	337.0	-1 504c	20 504			%		
33 566	12 465	39.0	35.5	-16.13	38.99	1.883	-0.8782	335.5	-1 507c	21 507			%		
34 572	13 470	35.31	35.85	-20.86	41.48	1.9881	-1.0554	329.8	-1 520c	24 520			%		
36 582	14 475	28.74	34.22	-26.39	43.21	2.1633	-1.3826	322.3	-1 533c	26 533	Mm		%		
44 622	16 480	13.35	18.57	-36.85	41.27	2.3643	-3.2255	296.7	0 403	31 556			%		
-1 485c	17 485	9.88	9.86	-39.49	40.7	1.971	-4.4603	284.0	11 456	32 562			%		
-1 490c	18 490	11.73	8.11	-39.35	40.18	1.6642	-3.8176	281.6	11 459	32 563	min		%		
-1 495c	19 495	13.82	6.11	-38.9	39.37	1.415	-3.2791	278.9	12 461	32 564			%		
-1 500c	20 500	16.13	3.9	-38.18	38.38	1.2152	-2.8316	275.8	12 463	33 565			%		
-1 510c	22 510	21.42	-0.89	-36.13	36.14	0.9312	-2.1511	268.5	13 466	33 567			%		
-1 520c	24 520	27.7	-6.0	-33.41	33.95	0.7559	-1.6709	259.8	13 468	34 570	Bm		%		
-1 530c	26 530	35.01	-11.13	-30.12	32.11	0.6549	-1.325	249.7	14 471	34 574			%		
-1 540c	28 540	43.33	-15.93	-26.31	30.76	0.6049	-1.0718	238.7	14 473	35 578			%		
-1 544c	28 545	43.33	-15.93	-26.31	30.76	0.6049	-1.0718	238.7	14 473	35 578			%		
-1 549c	29 550	47.72	-18.02	-24.28	30.24	0.595	-0.9733	233.4	14 474	36 580			%		
-1 555c	31 555	56.67	-21.19	-20.12	29.23	0.5988	-0.8197	223.5	15 475	37 585			%		
9 447	31 560	54.92	-31.01	2.23	31.09	0.4081	-0.4238	175.8	17 487	-1 487c			%		
380	770	99.99	0.0	0.0	0.01	0.9728	-0.4645	0.0					%		

see similar files: <http://130.149.60.45/~farbmetrik/VE45/VE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-VE45/VE45L0NA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Ostwald optimal colours (o) of maximum (m) C _{AB} for P00, Y _w =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code			%	
1 405	33 567	56.81	-27.23	-13.5	30.39	0.5413	-0.5618	206.3	17 486	38 594	Cm			%	
7 435	33 567	57.13	-31.57	-4.72	31.93	0.4679	-0.4069	188.5	18 491	-1 491c				%	
10 450	33 568	57.64	-35.18	3.36	35.34	0.4103	-0.2659	174.5	19 499	-1 499c				%	
12 460	34 570	58.3	-37.15	8.65	38.14	0.3834	-0.1758	166.8	21 507	-1 507c				%	
13 465	34 571	58.95	-37.79	11.06	39.37	0.3796	-0.1366	163.6	22 513	-1 513c				%	
13 470	34 572	60.46	-37.94	11.54	39.66	0.3931	-0.1332	163.0	23 515	-1 515c				%	
15 475	35 575	61.97	-38.31	15.35	41.28	0.4023	-0.0765	158.1	25 529	-1 529c	Gm			%	
16 480	36 580	65.35	-37.8	17.59	41.69	0.4422	-0.055	155.0	27 537	-1 537c				%	
17 485	37 589	71.71	-35.37	20.53	40.9	0.5273	-0.0379	149.8	29 547	-1 547c				%	
18 490	45 625	88.93	-18.56	26.78	32.58	0.8119	-0.023	124.7	32 564	-1 564c	max			%	
18 495	-1 494c	95.36	-8.56	28.86	30.11	0.9308	-0.0215	106.5	34 570	12 460				%	
20 500	-1 500c	92.62	-5.82	28.9	29.48	0.9577	-0.0121	101.3	34 571	13 465				%	
22 510	-1 510c	88.31	-1.53	28.05	28.09	1.0033	-0.0066	93.1	34 573	14 470				%	
24 520	-1 520c	82.18	4.14	26.34	26.67	1.0711	-0.0036	81.0	35 575	14 474	Ym			%	
25 530	-1 529c	78.53	7.26	25.25	26.27	1.1131	-0.0027	73.9	35 577	15 476				%	
28 540	-1 540c	66.0	16.54	21.32	26.99	1.2713	-0.0011	52.1	36 582	16 481				%	
28 545	-1 544c	66.0	16.54	21.32	26.99	1.2713	-0.0011	52.1	36 582	16 481				%	
30 550	-1 550c	56.88	21.86	18.4	28.57	1.4049	-0.0007	40.0	37 586	16 483				%	
30 555	-1 554c	56.88	21.86	18.4	28.57	1.4049	-0.0007	40.0	37 586	16 483				%	
32 560	-1 560c	47.6	25.76	15.41	30.02	1.5618	-0.0005	30.8	38 591	17 485				%	
380	770	100.0	0.0	0.0	0.01	1.0206	-0.3242	0.0						%	

Ostwald optimal colours (o) of maximum (m) C _{AB} for P00, Y _w =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
33 567	1 405	43.18	27.23	13.5	30.39	1.6513	-0.0115	26.3	38 594	17 486	Rm		%		
33 567	7 435	42.86	31.57	4.72	31.93	1.7574	-0.2139	8.5	-1 491c	18 491			%		
33 568	10 450	42.35	35.18	-3.35	35.34	1.8513	-0.4035	354.5	-1 499c	19 499			%		
34 570	12 460	41.69	37.15	-8.65	38.14	1.9117	-0.5317	346.8	-1 507c	21 507			%		
34 571	13 465	41.04	37.79	-11.06	39.37	1.9414	-0.5937	343.6	-1 513c	22 513			%		
34 572	13 470	39.53	37.94	-11.54	39.66	1.9804	-0.6163	343.0	-1 515c	23 515			%		
35 575	15 475	38.02	38.31	-15.35	41.28	2.0284	-0.728	338.1	-1 529c	25 529	Mm		%		
36 580	16 480	34.64	37.8	-17.59	41.69	2.1119	-0.8322	335.0	-1 537c	27 537			%		
37 589	17 485	28.28	35.37	-20.53	40.9	2.2712	-1.0501	329.8	-1 547c	29 547			%		
45 625	18 490	11.06	18.56	-26.78	32.58	2.6987	-2.7452	304.7	-1 564c	32 564	min		%		
-1 494c	18 495	4.63	8.56	-28.86	30.11	2.8709	-6.5585	286.5	12 460	34 570			%		
-1 500c	20 500	7.37	5.82	-28.9	29.48	1.8106	-4.2445	281.3	13 465	34 571			%		
-1 510c	22 510	11.68	1.53	-28.05	28.09	1.1518	-2.7253	273.1	14 470	34 573			%		
-1 520c	24 520	17.81	-4.14	-26.34	26.67	0.7878	-1.8032	261.0	14 474	35 575	Bm		%		
-1 529c	25 530	21.46	-7.26	-25.25	26.27	0.6822	-1.5008	253.9	15 476	35 577			%		
-1 540c	28 540	33.99	-16.54	-21.32	26.99	0.5338	-0.9517	232.1	16 481	36 582			%		
-1 544c	28 545	33.99	-16.54	-21.32	26.99	0.5338	-0.9517	232.1	16 481	36 582			%		
-1 550c	30 550	43.11	-21.86	-18.4	28.57	0.5135	-0.7511	220.0	16 483	37 586			%		
-1 554c	30 555	43.11	-21.86	-18.4	28.57	0.5135	-0.7511	220.0	16 483	37 586			%		
-1 560c	32 560	52.39	-25.76	-15.41	30.02	0.5288	-0.6183	210.8	17 485	38 591			%		
380	770	100.0	0.0	0.0	0.01	1.0206	-0.3242	0.0					%		

Ostwald optimal colours (o) of maximum (m) C _{AB} for P00, Y _{w,10} =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code			%	
0 405	32 562	54.9	−25.74	−14.37	29.48	0.5548	−0.5867	209.1	15 479	38 591	Cm			%	
7 435	32 563	55.22	−30.5	−4.04	30.77	0.4713	−0.3982	187.5	17 485	−1 485c				%	
9 450	32 564	55.85	−32.85	1.67	32.89	0.4355	−0.295	177.0	18 491	−1 491c				%	
12 460	33 567	56.36	−35.12	9.49	36.39	0.4005	−0.1565	164.8	21 506	−1 506c				%	
13 465	33 569	57.54	−35.5	11.95	37.46	0.4068	−0.1172	161.3	22 514	−1 514c				%	
13 470	34 572	60.56	−35.53	12.93	37.81	0.437	−0.1114	159.9	23 518	−1 518c				%	
15 475	35 579	63.97	−34.37	17.08	38.38	0.4864	−0.0579	153.5	26 534	−1 534c	Gm			%	
16 480	38 593	73.33	−29.56	21.12	36.33	0.6206	−0.0369	144.4	29 547	−1 547c				%	
17 485	−1 485c	93.1	−6.46	28.29	29.02	0.9543	−0.0211	102.8	33 566	11 457				%	
17 490	−1 489c	93.1	−6.46	28.29	29.02	0.9543	−0.0211	102.8	33 566	11 457	max			%	
19 495	−1 495c	90.06	−3.4	28.25	28.45	0.9859	−0.0113	96.8	33 567	12 461				%	
19 500	−1 499c	90.06	−3.4	28.25	28.45	0.9859	−0.0113	96.8	33 567	12 461				%	
22 510	−1 510c	83.34	3.11	26.72	26.9	1.0611	−0.0043	83.3	34 570	13 467				%	
23 520	−1 519c	80.45	5.69	25.9	26.52	1.0945	−0.003	77.5	34 572	13 469	Ym			%	
26 530	−1 530c	70.09	13.77	22.71	26.56	1.2202	−0.0008	58.7	35 577	14 473				%	
28 540	−1 540c	62.1	18.79	20.16	27.57	1.3264	−0.0002	47.0	36 580	15 475				%	
28 545	−1 544c	62.1	18.79	20.16	27.57	1.3264	−0.0002	47.0	36 580	15 475				%	
29 550	−1 549c	57.92	20.99	18.82	28.19	1.3862	0.0	41.8	36 583	15 476				%	
31 555	−1 555c	49.38	24.45	16.04	29.25	1.5189	0.0	33.2	37 587	15 478				%	
32 560	−1 560c	45.08	25.6	14.65	29.49	1.5916	0.0	29.7	38 590	15 479				%	
380	770	99.99	0.0	0.0	0.01	1.0237	−0.325	0.0						%	

Ostwald optimal colours (o) of maximum (m) C _{AB} for P00, Y _{w,10} =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code			%	
32 562	0 405	45.09	25.74	14.37	29.48	1.5945	-0.0063	29.1	38 591	15 479	Rm			%	
32 563	7 435	44.77	30.5	4.04	30.77	1.705	-0.2347	7.5	-1 485c	17 485				%	
32 564	9 450	44.14	32.85	-1.67	32.89	1.7678	-0.3629	357.0	-1 491c	18 491				%	
33 567	12 460	43.63	35.12	-9.49	36.39	1.8289	-0.5427	344.8	-1 506c	21 506				%	
33 569	13 465	42.45	35.5	-11.95	37.46	1.8599	-0.6065	341.3	-1 514c	22 514				%	
34 572	13 470	39.43	35.53	-12.93	37.81	1.9249	-0.6531	339.9	-1 518c	23 518				%	
35 579	15 475	36.02	34.37	-17.08	38.38	1.9779	-0.7993	333.5	-1 534c	26 534	Mm			%	
38 593	16 480	26.66	29.56	-21.12	36.33	2.1326	-1.1175	324.4	-1 547c	29 547				%	
-1 485c	17 485	6.89	6.46	-28.29	29.02	1.9612	-4.43	282.8	11 457	33 566				%	
-1 489c	17 490	6.89	6.46	-28.29	29.02	1.9612	-4.43	282.8	11 457	33 566	min			%	
-1 495c	19 495	9.93	3.4	-28.25	28.45	1.3663	-3.1682	276.8	12 461	33 567				%	
-1 499c	19 500	9.93	3.4	-28.25	28.45	1.3663	-3.1682	276.8	12 461	33 567				%	
-1 510c	22 510	16.65	-3.11	-26.72	26.9	0.8366	-1.9299	263.3	13 467	34 570				%	
-1 519c	23 520	19.54	-5.69	-25.9	26.52	0.7321	-1.65	257.5	13 469	34 572	Bm			%	
-1 530c	26 530	29.9	-13.77	-22.71	26.56	0.5632	-1.0846	238.7	14 473	35 577				%	
-1 540c	28 540	37.89	-18.8	-20.16	27.57	0.5276	-0.8572	227.0	15 475	36 580				%	
-1 544c	28 545	37.89	-18.8	-20.16	27.57	0.5276	-0.8572	227.0	15 475	36 580				%	
-1 549c	29 550	42.07	-20.99	-18.82	28.19	0.5246	-0.7723	221.8	15 476	36 583				%	
-1 555c	31 555	50.61	-24.45	-16.04	29.25	0.5406	-0.642	213.2	15 478	37 587				%	
-1 560c	32 560	54.91	-25.6	-14.65	29.49	0.5575	-0.5917	209.7	15 479	38 590				%	
380	770	99.99	0.0	0.0	0.01	1.0237	-0.325	0.0						%	

see similar files: <http://130.149.60.45/~farbmetrik/VE45/VE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-VE45/VE45L0NA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Ostwald optimal colours (o) of maximum (m) C _{AB} for Q00, Y _w =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
1 405	32 562	57.88	-22.38	-19.16	29.46	0.5925	-0.8068	220.5	16 482	38 590	Cm		%		
7 435	32 562	58.38	-29.44	-4.98	29.86	0.475	-0.5611	189.6	17 488	-1 488c			%		
10 450	32 564	59.19	-34.99	7.31	35.75	0.3881	-0.3521	168.1	19 497	-1 497c			%		
11 460	33 566	60.58	-36.74	11.76	38.58	0.3728	-0.2816	162.2	20 502	-1 502c			%		
12 465	33 568	61.7	-38.14	15.8	41.28	0.3611	-0.2196	157.4	21 508	-1 508c			%		
14 470	34 570	62.97	-39.63	22.0	45.32	0.3499	-0.1264	150.9	24 522	-1 522c			%		
15 475	35 575	65.9	-39.82	25.39	47.22	0.3751	-0.0905	147.4	26 530	-1 530c	Gm		%		
16 480	36 582	71.11	-38.67	29.38	48.57	0.4354	-0.0625	142.7	27 539	-1 539c			%		
17 485	40 602	81.95	-31.75	35.68	47.76	0.5918	-0.0404	131.6	30 552	-1 552c			%		
17 490	-1 489c	94.93	-14.93	41.85	44.44	0.8219	-0.0349	109.6	33 565	11 455	max		%		
18 495	-1 494c	93.71	-13.86	42.13	44.35	0.8314	-0.0262	108.2	33 565	11 458			%		
20 500	-1 500c	90.31	-10.6	41.67	42.99	0.8619	-0.0144	104.2	33 567	12 463			%		
21 510	-1 509c	87.98	-8.35	40.94	41.78	0.8843	-0.0105	101.5	33 568	13 465			%		
23 520	-1 519c	81.84	-2.67	38.48	38.57	0.9466	-0.0056	93.9	34 571	14 470	Ym		%		
26 530	-1 530c	69.63	7.21	32.97	33.76	1.0829	-0.0022	77.6	35 576	15 475			%		
27 540	-1 539c	65.08	10.41	30.86	32.57	1.1393	-0.0016	71.3	35 578	15 477			%		
28 545	-1 544c	60.41	13.41	28.67	31.66	1.2014	-0.0012	64.9	36 580	15 478			%		
29 550	-1 549c	55.69	16.15	26.44	30.98	1.2693	-0.0009	58.5	36 582	15 479			%		
30 555	-1 554c	50.96	18.54	24.21	30.49	1.3431	-0.0007	52.5	36 584	16 480			%		
31 560	-1 559c	46.27	20.53	21.98	30.08	1.4231	-0.0006	46.9	37 587	16 481			%		
380	770	100.0	0.0	0.0	0.01	0.9793	-0.4758	0.0					%		

Ostwald optimal colours (o) of maximum (m) C _{AB} for Q00, Y _w =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code	%			
32 562	1 405	42.11	22.38	19.16	29.46	1.5109	-0.0207	40.5	38 590	16 482	Rm	%			
32 562	7 435	41.61	29.44	4.98	29.86	1.6868	-0.3561	9.6	-1 488c	17 488		%			
32 564	10 450	40.8	34.99	-7.31	35.75	1.8369	-0.6551	348.1	-1 497c	19 497		%			
33 566	11 460	39.41	36.74	-11.76	38.58	1.9117	-0.7742	342.2	-1 502c	20 502		%			
33 568	12 465	38.29	38.14	-15.8	41.28	1.9752	-0.8885	337.4	-1 508c	21 508		%			
34 570	14 470	37.02	39.63	-22.0	45.32	2.0495	-1.07	330.9	-1 522c	24 522		%			
35 575	15 475	34.09	39.82	-25.39	47.22	2.1473	-1.2205	327.4	-1 530c	26 530	Mm	%			
36 582	16 480	28.88	38.67	-29.38	48.57	2.318	-1.493	322.7	-1 539c	27 539		%			
40 602	17 485	18.04	31.75	-35.68	47.76	2.739	-2.453	311.6	-1 552c	30 552		%			
-1 489c	17 490	5.06	14.93	-41.85	44.44	3.9292	-8.7425	289.6	11 455	33 565	min	%			
-1 494c	18 495	6.28	13.86	-42.13	44.35	3.1842	-7.1782	288.2	11 458	33 565		%			
-1 500c	20 500	9.68	10.6	-41.66	42.99	2.0746	-4.7793	284.2	12 463	33 567		%			
-1 509c	21 510	12.01	8.35	-40.94	41.78	1.6748	-3.8842	281.5	13 465	33 568		%			
-1 519c	23 520	18.15	2.67	-38.48	38.57	1.1265	-2.5962	273.9	14 470	34 571	Bm	%			
-1 530c	26 530	30.36	-7.21	-32.97	33.76	0.7416	-1.562	257.6	15 475	35 576		%			
-1 539c	27 540	34.91	-10.41	-30.86	32.57	0.6809	-1.3598	251.3	15 477	35 578		%			
-1 544c	28 545	39.58	-13.41	-28.67	31.66	0.6402	-1.2003	244.9	15 478	36 580		%			
-1 549c	29 550	44.3	-16.15	-26.44	30.98	0.6148	-1.0727	238.5	15 479	36 582		%			
-1 554c	30 555	49.03	-18.54	-24.21	30.49	0.6011	-0.9695	232.5	16 480	36 584		%			
-1 559c	31 560	53.72	-20.53	-21.98	30.08	0.5971	-0.885	226.9	16 481	37 587		%			
380	770	100.0	0.0	0.0	0.01	0.9793	-0.4758	0.0				%			

Ostwald optimal colours (o) of maximum (m) C _{AB} for Q00, Y _{w,10} =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
1 405	31 556	56.31	-21.53	-19.55	29.09	0.594	-0.821	222.2	15 475	37 587	Cm		%		
7 435	31 558	56.83	-28.93	-3.7	29.16	0.4673	-0.5388	187.2	16 482	-1 482c			%		
10 450	32 560	57.26	-33.83	8.65	34.92	0.3856	-0.3225	165.6	18 493	-1 493c			%		
12 460	32 563	58.56	-36.02	16.22	39.51	0.3613	-0.1966	155.7	21 506	-1 506c			%		
13 465	33 566	60.33	-36.6	19.9	41.66	0.3697	-0.1437	151.4	23 515	-1 515c			%		
13 470	34 572	64.84	-36.63	22.04	42.75	0.4115	-0.1337	148.9	24 520	-1 520c			%		
15 475	36 583	70.42	-34.31	28.75	44.76	0.4892	-0.0654	140.0	27 536	-1 536c	Gm		%		
15 480	45 629	89.85	-18.5	37.95	42.22	0.7706	-0.0512	115.9	31 556	2 413			%		
17 485	-1 485c	90.54	-10.94	40.53	41.98	0.8556	-0.026	105.1	32 561	11 455			%		
17 490	-1 489c	90.54	-10.94	40.53	41.98	0.8556	-0.026	105.1	32 561	11 455	max		%		
18 495	-1 494c	88.8	-9.29	40.38	41.44	0.8718	-0.0189	102.9	32 562	11 458			%		
19 500	-1 499c	86.78	-7.33	39.92	40.59	0.8919	-0.0136	100.4	32 563	12 460			%		
21 510	-1 509c	81.81	-2.65	38.17	38.26	0.944	-0.007	93.9	33 566	12 464			%		
24 520	-1 520c	71.94	5.64	33.9	34.36	1.0549	-0.0024	80.5	34 570	13 468	Ym		%		
26 530	-1 530c	64.11	11.15	30.3	32.29	1.1505	-0.001	69.7	34 574	14 471			%		
27 540	-1 539c	59.95	13.72	28.36	31.51	1.2053	-0.0005	64.1	35 576	14 472			%		
29 545	-1 545c	51.41	18.12	24.34	30.35	1.3289	-0.0001	53.3	36 581	14 474			%		
30 550	-1 550c	47.12	19.83	22.32	29.86	1.3974	0.0	48.3	36 583	15 475			%		
30 555	-1 554c	47.12	19.83	22.32	29.86	1.3974	0.0	48.3	36 583	15 475			%		
31 560	9 447	44.71	31.96	-3.98	32.21	1.6912	-0.5628	352.8	-1 488c	17 488			%		
380	770	100.0	0.0	0.0	0.01	0.9764	-0.4736	0.0					%		

Ostwald optimal colours (o) of maximum (m) C _{AB} for Q00, Y _{w,10} =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
31 556	1 405	43.68	21.53	19.55	29.09	1.4694	-0.026	42.2	37 587	15 475	Rm		%		
31 558	7 435	43.16	28.93	3.7	29.16	1.6467	-0.3879	7.2	-1 482c	16 482			%		
32 560	10 450	42.73	33.83	-8.65	34.92	1.7684	-0.6763	345.6	-1 493c	18 493			%		
32 563	12 460	41.43	36.02	-16.22	39.51	1.8459	-0.8653	335.7	-1 506c	21 506			%		
33 566	13 465	39.66	36.6	-19.9	41.66	1.8993	-0.9756	331.4	-1 515c	23 515			%		
34 572	13 470	35.15	36.63	-22.04	42.75	2.0184	-1.1008	328.9	-1 520c	24 520			%		
36 583	15 475	29.57	34.31	-28.75	44.76	2.1367	-1.4459	320.0	-1 536c	27 536	Mm		%		
45 629	15 480	10.14	18.5	-37.95	42.22	2.8002	-4.2157	295.9	2 413	31 556			%		
-1 485c	17 485	9.45	10.94	-40.52	41.98	2.1345	-4.7616	285.1	11 455	32 561			%		
-1 489c	17 490	9.45	10.94	-40.52	41.98	2.1345	-4.7616	285.1	11 455	32 561	min		%		
-1 494c	18 495	11.19	9.29	-40.38	41.44	1.8061	-4.0798	282.9	11 458	32 562			%		
-1 499c	19 500	13.21	7.33	-39.92	40.58	1.5316	-3.4935	280.4	12 460	32 563			%		
-1 509c	21 510	18.18	2.65	-38.17	38.26	1.1226	-2.573	273.9	12 464	33 566			%		
-1 520c	24 520	28.05	-5.64	-33.9	34.36	0.7753	-1.682	260.5	13 468	34 570	Bm		%		
-1 530c	26 530	35.88	-11.15	-30.3	32.29	0.6655	-1.3184	249.7	14 471	34 574			%		
-1 539c	27 540	40.04	-13.72	-28.36	31.51	0.6338	-1.182	244.1	14 472	35 576			%		
-1 545c	29 545	48.58	-18.12	-24.34	30.35	0.6035	-0.9748	233.3	14 474	36 581			%		
-1 550c	30 550	52.87	-19.83	-22.32	29.86	0.6012	-0.8959	228.3	15 475	36 583			%		
-1 554c	30 555	52.87	-19.83	-22.32	29.86	0.6012	-0.8959	228.3	15 475	36 583			%		
9 447	31 560	55.28	-31.96	3.98	32.21	0.3982	-0.4015	172.8	17 488	-1 488c			%		
380	770	100.0	0.0	0.0	0.01	0.9764	-0.4736	0.0					%		