

Ostwald-Optimalfarben (o) von maximalem (m) C_{AB} für D50, $Y_w=100$, $Y_m=520_770$, LINYAB-Daten														%		
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	0.0	0.01	0.9642	-0.3299	0.0						%
Ostwald-Optimalfarben (o) von maximalem (m) C_{AB} für D50, $Y_w=100$, $Y_m=770_520$, LINYAB komplementär%														%		
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	0.0	0.01	0.9642	-0.3299	0.0						%

rgb_{abcAB} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R17-47 für Ostwald-Farben für CIE-Licht D50

X_{xy}, Y_{xy}, Lab_{AB}, ABC_{AB}, LabC_{ab}, h_{ab}-Daten für relative Stufung des Elementarbunttons L_Y nach L_Y für CIE-2-Grad Beobachter

Elementar-Bunttonkreise mit 4 Ziel-Elementar-Bunttonwinkeln: h_{AB} = 13.9, 87.3, 165.9, 266.0 von L_YAB und 90 Ziel-Bunttonwinkeln:

00.001, ..., 089, L_YAB-Daten CIE-Testfarben 9 (R): 12.4 11.3 2.8, 10 (Y): 60.2 60.7 16.0, 11 (G): 19.8 -7.0 1.7, 12 (B): 5.9 -0.4 -6.5

no.	no. _{AB} ^Y	x ₈₉	L _Y	a	b	c _{AB}	A	B	C _{AB}	h _{AB}	L*	a*	b*	C ₁₉₋₈₇	h _{ab}	rgb _{abcAB}	Code _{AB}		
000	41.4	0.487	0.278	1.752	-0.336	0.788	32.6	-0.2	32.6	359.5	70.5	82.1	-1.0	82.1	359.2	1.00	0.00	0.29	#B58F
001	41.4	0.491	0.281	1.745	-0.323	0.781	32.4	0.2	32.4	0.4	70.5	81.6	0.9	81.6	0.6	1.00	0.00	0.27	#B68F
002	41.5	0.494	0.284	1.739	-0.31	0.775	32.1	0.7	32.2	1.4	70.5	81.0	2.9	81.1	2.0	1.00	0.00	0.25	#B78F
003	41.5	0.498	0.287	1.733	-0.297	0.769	31.9	1.3	31.9	2.4	70.5	80.5	5.0	80.7	3.5	1.00	0.00	0.23	#B88F
004	41.5	0.502	0.29	1.726	-0.284	0.764	31.7	1.8	31.7	3.4	70.5	80.0	7.2	80.3	5.1	1.00	0.00	0.21	#B98F
005	41.6	0.506	0.294	1.72	-0.271	0.758	31.4	2.4	31.5	4.4	70.6	79.4	9.4	80.0	6.8	1.00	0.00	0.18	#B98F
006	41.6	0.51	0.297	1.713	-0.257	0.753	31.2	3.0	31.3	5.5	70.6	78.9	11.8	79.7	8.5	1.00	0.00	0.16	#B98F
007	41.6	0.514	0.301	1.707	-0.244	0.748	30.9	3.5	31.1	6.5	70.6	78.3	14.2	79.6	10.1	1.00	0.00	0.14	#B98F
008	41.6	0.516	0.304	1.701	-0.231	0.742	30.7	4.1	30.9	7.6	70.6	77.7	16.6	79.5	11.1	1.00	0.00	0.12	#B98F
009	41.7	0.523	0.308	1.694	-0.217	0.738	30.4	4.6	30.8	8.7	70.6	77.2	19.3	79.6	14.0	1.00	0.00	0.1	#B98F
010	41.7	0.527	0.312	1.687	-0.204	0.734	30.2	5.2	30.6	9.8	70.7	76.6	21.9	79.7	16.0	1.00	0.00	0.08	#B98F
011	41.7	0.531	0.316	1.681	-0.191	0.73	29.9	5.7	30.5	10.9	70.7	76.0	24.7	80.0	18.0	1.00	0.00	0.06	#B98F
012	41.8	0.536	0.32	1.674	-0.178	0.726	29.7	6.3	30.3	12.0	70.7	75.5	27.6	80.4	20.1	1.00	0.00	0.04	#B98F
013	41.8	0.541	0.324	1.668	-0.165	0.722	29.4	6.8	30.2	13.1	70.7	74.9	30.7	81.0	22.3	1.00	0.00	0.01	#B98F
014	41.8	0.546	0.328	1.661	-0.152	0.719	29.1	7.4	30.1	14.3	70.7	74.3	34.0	81.7	24.5	1.00	0.00	0.0	#R00Y
015	41.8	0.551	0.333	1.655	-0.139	0.717	28.9	7.9	29.9	15.4	70.7	73.7	37.4	82.7	26.8	1.00	0.00	0.0	#R01Y
016	41.8	0.556	0.337	1.649	-0.126	0.714	28.7	8.4	29.8	16.5	70.7	73.1	40.9	83.9	29.0	1.00	0.00	0.02	#R02Y
017	41.8	0.561	0.341	1.642	-0.113	0.712	28.3	9.0	29.8	17.6	70.7	72.6	44.6	85.3	31.5	1.00	0.00	0.04	#R04Y
018	41.8	0.566	0.345	1.636	-0.101	0.709	28.1	9.5	29.7	18.7	70.7	72.1	48.5	86.9	33.9	1.00	0.05	0.00	#R05Y
019	41.8	0.571	0.35	1.63	-0.089	0.708	27.9	10.0	29.6	19.8	70.8	71.5	52.6	88.8	36.3	1.00	0.06	0.00	#R06Y
020	41.9	0.575	0.354	1.624	-0.078	0.706	27.6	10.5	29.6	20.8	70.8	71.0	56.9	91.0	38.7	1.00	0.08	0.00	#R08Y
021	41.9	0.58	0.358	1.618	-0.067	0.704	27.4	11.0	29.5	21.8	70.8	70.4	61.5	93.5	41.1	1.00	0.09	0.00	#R09Y
022	41.9	0.585	0.363	1.612	-0.056	0.703	27.1	11.4	29.5	22.8	70.8	69.9	66.4	96.6	43.5	1.00	0.11	0.00	#R11Y
023	41.9	0.59	0.367	1.606	-0.046	0.702	26.9	11.9	29.4	23.7	70.8	69.4	71.7	99.0	45.9	1.00	0.13	0.00	#R12Y
024	0.0	0.594	0.371	1.497	-0.036	0.701	26.7	12.3	29.3	24.5	70.8	68.9	76.5	103.7	48.0	1.00	0.13	0.00	#R13Y
025	0.0	0.598	0.375	1.595	-0.027	0.7	26.5	12.7	29.4	25.5	70.9	68.5	84.0	108.3	50.8	1.00	0.15	0.00	#R15Y
026	42.1	0.602	0.378	1.59	-0.019	0.699	26.3	13.0	29.4	26.3	70.9	68.0	91.4	113.9	53.3	1.00	0.16	0.00	#R16Y
027	42.1	0.606	0.382	1.585	-0.011	0.698	26.1	13.4	29.4	27.1	70.9	67.6	100.6	121.2	56.1	1.00	0.17	0.00	#R17Y
028	42.3	0.613	0.388	1.576	0.002	0.696	25.8	14.0	29.4	28.4	71.0	66.8	126.1	142.7	62.0	1.00	0.19	0.00	#R19Y
029	42.9	0.612	0.392	1.561	0.005	0.685	25.6	14.4	29.4	29.3	71.5	65.7	137.2	148.1	63.6	1.00	0.2	0.00	#R20Y
030	44.3	0.605	0.394	1.535	0.0	0.689	25.3	14.6	29.2	29.9	72.4	63.9	124.0	139.6	62.7	1.00	0.21	0.00	#R21Y
031	45.2	0.602	0.397	1.516	0.0	0.643	25.0	14.9	29.1	30.8	73.0	62.5	125.4	140.2	63.4	1.00	0.23	0.00	#R23Y
032	46.0	0.594	0.404	1.497	0.001	0.627	24.6	15.2	29.0	31.7	73.0	61.1	127.7	140.0	64.1	1.00	0.24	0.00	#R24Y
033	47.3	0.596	0.403	1.477	0.0	0.61	24.3	15.6	28.8	32.7	73.4	59.5	127.9	141.1	65.0	1.00	0.25	0.00	#R25Y
034	48.4	0.593	0.406	1.458	0.0	0.594	23.9	15.9	28.7	33.7	75.0	58.0	129.1	141.5	65.7	1.00	0.27	0.00	#R27Y
035	49.5	0.589	0.409	1.439	0.0	0.578	23.5	16.3	28.6	34.7	75.7	56.4	130.1	141.8	66.5	1.00	0.28	0.00	#R28Y
036	50.6	0.586	0.412	1.42	0.0	0.563	23.1	16.6	28.4	35.8	76.4	54.9	131.1	142.1	67.2	1.00	0.3	0.00	#R30Y
037	51.7	0.583	0.415	1.402	0.0	0.548	22.6	17.0	28.3	36.9	77.1	53.4	132.0	142.4	67.9	1.00	0.31	0.00	#R31Y
038	52.8	0.58	0.418	1.386	0.0	0.535	22.2	17.3	28.2	37.9	77.7	51.9	132.8	142.6	68.6	1.00	0.32	0.00	#R32Y
039	53.8	0.577	0.421	1.37	0.0	0.523	21.8	17.7	28.1	39.0	78.3	50.5	133.5	142.8	69.2	1.00	0.34	0.00	#R34Y
040	54.9	0.574	0.424	1.354	0.0	0.511	21.4	18.0	28.0	40.1	78.9	49.1	134.2	143.0	70.0	1.00	0.35	0.00	#R35Y
041	55.8	0.572	0.426	1.34	0.0	0.5	20.9	18.3	27.9	41.1	79.5	47.7	135.3	143.5	70.5	1.00	0.36	0.00	#R36Y
042	56.6	0.569	0.429	1.327	0.0	0.49	20.5	18.6	27.7	42.1	79.9	46.5	136.0	143.8	71.1	1.00	0.38	0.00	#R38Y
043	57.4	0.567	0.431	1.315	0.0	0.481	20.1	18.8	27.6	43.1	80.4	45.3	136.7	144.0	71.6	1.00	0.39	0.00	#R39Y
044	58.1	0.565	0.433	1.304	0.0	0.473	19.7	19.1	27.5	44.0	80.8	44.2	137.3	144.2	72.1	1.00	0.4	0.00	#R40Y
045	58.8	0.563	0.435	1.293	0.0	0.465	19.3	19.3	27.4	44.9	81.2	43.1	137.9	144.5	72.6	1.00	0.42	0.00	#R42Y
046	59.6	0.561	0.437	1.282	0.0	0.457	18.9	19.6	27.3	45.9	81.6	41.9	138.5	144.7	73.1	1.00	0.43	0.00	#R43Y
047	60.3	0.559	0.439	1.271	-0.001	0.449	18.5	19.8	27.1	46.9	82.0	40.8	139.1	144.9	73.6	1.00	0.45	0.00	#R45Y
048	61.1	0.557	0.441	1.261	-0.001	0.443	18.1	20.1	27.0	47.9	82.4	39.7	139.6	145.2	74.1	1.00	0.46	0.00	#R46Y
049	61.8	0.555	0.443	1.25	-0.001	0.436	17.7	20.3	26.9	48.9	82.8	38.6	140.2	145.4	74.6	1.00	0.47	0.00	#R47Y
050	62.6	0.552	0.445	1.24	-0.001	0.429	17.3	20.5	26.8	49.9	83.2	37.4	140.7	145.6	75.0	1.00	0.49	0.00	#R49Y
051	63.3	0.55	0.447	1.23	-0.001	0.423	16.8	20.8	26.8	50.9	83.6	36.3	141.2	145.8	75.5	1.00	0.5	0.00	#R50Y
052	63.9	0.549	0.449	1.222	-0.001	0.418	16.5	21.0	26.7	51.7	83.9	35.5	141.7	146.0	75.9	1.00	0.51	0.00	#R51Y
053	64.4	0.547	0.45	1.215	-0.001	0.413	16.1	21.2	26.6	52.6	84.2	34.6	142.1	146.2	76.3	1.00	0.53	0.00	#R53Y
054	65.1	0.546	0.452	1.207	-0.001	0.408	15.8	21.3	26.6	53.5	84.5	33.7	142.5	146.4	76.6	1.00	0.54	0.00	#R54Y
055	65.7	0.544	0.454	1.198	-0.001	0.403	15.4	21.6	26.5	54.4	84.8	32.7	142.9	146.6	77.0	1.00	0.55	0.00	#R55Y
056	66.4	0.542	0.455	1.189	-0.001	0.398	14.9	21.8	26.4	55.5	85.2	31.6	143.3	146.7	77.5	1.00	0.57	0.00	#R57Y
057	67.1	0.54	0.457	1.18	-0.001	0.393	14.5	22.0	26.4	56.6	85.5	30.5	143.7	146.9	78.0	1.00	0.58	0.00	#R58Y
058	67.9	0.538	0.46	1.169	-0.001	0.387	13.9	22.3	26.3	57.9	86.0	29.2	144.1	147.0	78.5	1.00	0.59	0.00	#R59Y
059	68.5	0.536	0.461	1.162	-0.001	0.383	13.5	22.4	26.2	58.8	86.2	28.3	144.3	147.1	78.8	1.00	0.61	0.00	#R61Y
060	69.0	0.535	0.462	1.155	-0.001	0.38	13.2	22.6	26.2	59.7	86.5	27.5	144.6	147.2	79.2	1.00	0.62	0.00	#R62Y
061	69.5	0.533	0.464	1.148	-0.001	0.376	12.8	22.8	26.2	60.6	86.7	26.6	144.8	147.2	79.5	1.00	0.64	0.00	#R64Y

rgb_{ABCAB} and CIE-Daten eines Elementar-Unterschiedskreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D50

X_{xy}, rgb_{ABCAB}, ABC_{AB}, LabC_{ab} at_{lab}-Daten für relative Stufung des Elementarunterschiedskreises nach L_{IN}YAB für CIE-2-Grad Beobachter

Elementar-Unterschiedskreis mit 4-Ziel-Elementar-Unterschiedswinkeln: h_{AB} = 13.9, 87.3, 165.9, 266.0 von L_{IN}YAB und 90, 120 und 150 Ziel-Unterschiedswinkeln:

090, 091, ..., 179, L_{IN}YAB-Daten CIE-Testfarben 9 (R): 12.4 11.3 2.8, 10 (Y): 60.2 60.7 16.0, 11 (G): 19.8 -9.0 7.1, 12 (B): 5.9 -0.4 -6.5

no. _{ABY}	x _y	179	L _{IN} YAB	a	b	c _{AB}	A	B	C _{AB}	h _{AB}	L*	a*	b*	C _{ab}	h _{ab}	rgb _{ABCAB}	Code _{AB}				
090	86.1	0.486	0.505	0.962	-0.006	0.324	-0.1	27.9	27.9	90.2	94.3	-0.2	140.0	140.0	90.0	0.96	1.00	0.00	0.00	0.00	Y03G
091	86.6	0.485	0.506	0.957	-0.006	0.323	-0.5	28.0	28.0	91.1	94.5	-1.0	139.3	139.3	90.4	0.95	1.00	0.00	0.00	0.00	Y04G
092	87.0	0.483	0.507	0.952	-0.006	0.323	-0.9	28.1	28.1	92.0	94.7	-1.8	138.4	138.4	90.7	0.94	1.00	0.00	0.00	0.00	Y05G
093	87.6	0.481	0.508	0.947	-0.007	0.323	-1.4	28.2	28.2	93.0	95.0	-2.8	137.2	137.2	91.1	0.92	1.00	0.00	0.00	0.00	Y07G
094	88.1	0.479	0.509	0.941	-0.008	0.322	-2.0	28.3	28.4	94.0	95.2	-3.8	135.9	135.9	91.6	0.91	1.00	0.00	0.00	0.00	Y08G
095	88.7	0.477	0.511	0.935	-0.008	0.322	-2.5	28.5	28.6	95.1	95.4	-4.8	134.7	134.8	92.0	0.9	1.00	0.00	0.00	0.00	Y09G
096	89.3	0.475	0.511	0.929	-0.009	0.322	-3.1	28.6	28.8	96.1	95.7	-5.8	133.4	133.6	92.5	0.89	1.00	0.00	0.00	0.00	Y10G
097	89.9	0.473	0.513	0.923	-0.010	0.322	-3.6	28.7	28.9	97.2	95.9	-6.8	132.2	132.4	92.9	0.87	1.00	0.00	0.00	0.00	Y12G
098	90.4	0.471	0.514	0.917	-0.011	0.322	-4.1	28.8	28.9	98.1	96.5	-7.8	131.0	131.2	93.7	0.85	1.00	0.00	0.00	0.00	Y14G
099	91.0	0.469	0.514	0.912	-0.011	0.322	-4.7	28.9	29.3	99.2	96.4	-8.8	129.9	130.2	93.8	0.85	1.00	0.00	0.00	0.00	Y14G
100	91.5	0.468	0.515	0.907	-0.012	0.322	-5.1	29.0	29.5	100.1	96.6	-9.7	128.8	129.2	94.3	0.83	1.00	0.00	0.00	0.00	Y16G
101	92.1	0.466	0.516	0.903	-0.013	0.322	-5.6	29.1	29.7	100.9	96.8	-10.5	127.7	128.1	94.6	0.82	1.00	0.00	0.00	0.00	Y17G
102	93.2	0.465	0.515	0.901	-0.014	0.321	-5.8	29.3	29.9	101.1	97.3	-10.7	125.8	126.3	94.8	0.81	1.00	0.00	0.00	0.00	Y18G
103	93.7	0.462	0.515	0.897	-0.016	0.32	-6.2	29.4	30.0	102.0	97.5	-11.5	123.8	124.3	95.3	0.8	1.00	0.00	0.00	0.00	Y19G
104	93.6	0.459	0.517	0.886	-0.017	0.321	-7.2	29.2	30.1	103.9	97.4	-13.4	121.8	122.5	96.3	0.78	1.00	0.00	0.00	0.00	Y21G
105	93.5	0.457	0.518	0.882	-0.018	0.322	-7.6	29.1	30.1	104.6	97.4	-14.2	121.4	122.2	96.6	0.77	1.00	0.00	0.00	0.00	Y22G
106	93.4	0.454	0.519	0.874	-0.019	0.321	-8.1	29.2	30.2	105.5	97.5	-15.0	120.1	120.9	97.6	0.76	1.00	0.00	0.00	0.00	Y24G
107	93.3	0.454	0.52	0.873	-0.019	0.324	-8.4	29.0	30.2	106.2	97.3	-15.8	120.6	121.6	97.4	0.75	1.00	0.00	0.00	0.00	Y24G
108	93.2	0.453	0.522	0.868	-0.018	0.325	-8.9	29.0	30.3	107.0	97.3	-16.7	120.1	121.3	97.9	0.73	1.00	0.00	0.00	0.00	Y26G
109	93.0	0.451	0.523	0.863	-0.019	0.327	-9.3	28.9	30.4	107.9	97.2	-17.6	119.7	121.0	98.3	0.72	1.00	0.00	0.00	0.00	Y27G
110	92.9	0.45	0.524	0.858	-0.019	0.328	-9.8	28.8	30.5	108.8	97.2	-18.6	119.2	120.7	98.8	0.71	1.00	0.00	0.00	0.00	Y28G
111	92.7	0.448	0.525	0.852	-0.019	0.33	-10.3	28.7	30.5	109.8	97.1	-19.6	118.8	120.4	99.3	0.69	1.00	0.00	0.00	0.00	Y30G
112	92.5	0.446	0.527	0.846	-0.019	0.331	-10.8	28.6	30.6	110.7	97.0	-20.6	118.3	120.1	99.9	0.68	1.00	0.00	0.00	0.00	Y31G
113	92.3	0.444	0.528	0.84	-0.02	0.332	-11.4	28.5	30.7	112.7	96.9	-21.7	117.8	119.4	100.4	0.67	1.00	0.00	0.00	0.00	Y32G
114	92.1	0.442	0.529	0.835	-0.021	0.335	-11.9	28.4	30.8	114.7	96.8	-22.9	117.3	119.5	101.0	0.66	1.00	0.00	0.00	0.00	Y44G
115	91.8	0.44	0.531	0.827	-0.02	0.337	-12.5	28.3	31.0	113.8	96.7	-24.0	116.8	119.2	101.6	0.64	1.00	0.00	0.00	0.00	Y35G
116	91.5	0.438	0.533	0.821	-0.021	0.34	-13.1	28.2	31.1	114.8	96.6	-25.3	116.2	119.0	102.2	0.63	1.00	0.00	0.00	0.00	Y36G
117	91.3	0.435	0.535	0.814	-0.021	0.343	-13.6	28.1	31.3	115.9	96.5	-26.5	115.7	118.7	102.9	0.62	1.00	0.00	0.00	0.00	Y37G
118	91.0	0.433	0.537	0.807	-0.022	0.345	-14.2	28.0	31.4	117.0	96.4	-27.8	115.1	118.5	103.6	0.61	1.00	0.00	0.00	0.00	Y38G
119	90.6	0.43	0.538	0.799	-0.022	0.348	-14.9	27.8	31.6	118.1	96.2	-29.2	114.6	118.2	104.3	0.59	1.00	0.00	0.00	0.00	Y40G
120	90.3	0.428	0.54	0.792	-0.022	0.352	-15.5	27.7	31.8	119.2	96.1	-30.2	114.0	118.0	105.0	0.58	1.00	0.00	0.00	0.00	Y41G
121	89.9	0.425	0.542	0.784	-0.023	0.355	-16.1	27.6	31.9	120.3	95.9	-32.0	113.4	117.8	105.7	0.57	1.00	0.00	0.00	0.00	Y42G
122	89.5	0.423	0.544	0.776	-0.023	0.359	-16.8	27.4	32.1	121.4	95.8	-33.5	112.7	117.1	106.4	0.56	1.00	0.00	0.00	0.00	Y44G
123	89.1	0.42	0.546	0.768	-0.023	0.363	-17.4	27.2	32.4	122.6	95.6	-35.0	112.1	117.5	107.3	0.54	1.00	0.00	0.00	0.00	Y45G
124	88.7	0.417	0.549	0.759	-0.024	0.367	-18.1	27.1	32.6	123.7	95.4	-36.6	111.4	117.3	108.2	0.53	1.00	0.00	0.00	0.00	Y46G
125	88.3	0.414	0.551	0.751	-0.024	0.372	-18.8	26.9	32.8	124.9	95.3	-38.2	110.8	117.2	109.0	0.52	1.00	0.00	0.00	0.00	Y47G
126	87.8	0.411	0.553	0.742	-0.025	0.377	-19.4	26.7	33.1	126.0	95.0	-39.9	110.1	117.1	109.9	0.5	1.00	0.00	0.00	0.00	Y49G
127	87.1	0.407	0.556	0.732	-0.025	0.382	-20.1	26.5	33.3	127.2	94.8	-41.7	109.4	117.1	110.9	0.49	1.00	0.00	0.00	0.00	Y50G
128	86.5	0.404	0.559	0.722	-0.026	0.388	-20.9	26.2	33.5	128.4	94.5	-43.6	108.7	117.1	111.8	0.48	1.00	0.00	0.00	0.00	Y51G
129	85.8	0.4	0.562	0.712	-0.026	0.394	-21.6	26.0	33.8	129.6	94.2	-45.5	108.0	117.2	112.8	0.47	1.00	0.00	0.00	0.00	Y52G
130	85.2	0.395	0.565	0.702	-0.026	0.401	-22.3	25.8	34.1	130.8	94.1	-47.4	107.3	117.3	113.9	0.46	1.00	0.00	0.00	0.00	Y54G
131	84.5	0.392	0.568	0.691	-0.027	0.407	-23.0	25.5	34.4	132.0	93.6	-49.5	106.5	117.5	114.9	0.44	1.00	0.00	0.00	0.00	Y55G
132	83.8	0.388	0.571	0.68	-0.027	0.414	-23.7	25.3	34.7	133.1	93.3	-51.6	105.7	117.7	116.0	0.43	1.00	0.00	0.00	0.00	Y56G
133	83.1	0.384	0.574	0.669	-0.028	0.421	-24.4	25.0	35.0	134.3	93.0	-53.7	104.9	117.9	117.1	0.41	1.00	0.00	0.00	0.00	Y58G
134	82.3	0.38	0.577	0.658	-0.028	0.429	-25.1	24.8	35.3	135.4	92.7	-55.9	104.1	118.2	118.2	0.4	1.00	0.00	0.00	0.00	Y59G
135	81.6	0.376	0.581	0.647	-0.029	0.436	-25.8	24.5	35.6	136.5	92.4	-58.1	103.3	118.5	119.3	0.39	1.00	0.00	0.00	0.00	Y60G
136	80.9	0.371	0.584	0.635	-0.03	0.444	-26.5	24.2	36.0	137.5	92.1	-60.3	102.4	118.9	120.5	0.38	1.00	0.00	0.00	0.00	Y61G
137	80.2	0.366	0.587	0.624	-0.03	0.453	-27.2	24.0	36.3	138.6	91.7	-62.6	101.5	119.3	121.6	0.36	1.00	0.00	0.00	0.00	Y63G
138	79.5	0.362	0.593	0.612	-0.031	0.461	-27.9	23.7	36.6	139.6	91.4	-64.9	100.6	119.6	122.8	0.35	1.00	0.00	0.00	0.00	Y64G
139	78.7	0.357	0.594	0.6	-0.032	0.469	-28.6	23.4	37.0	140.6	91.1	-67.3	99.7	120.3	124.0	0.34	1.00	0.00	0.00	0.00	Y65G
140	78.0	0.352	0.598	0.589	-0.032	0.478	-29.2	23.2	37.3	141.6	90.8	-69.7	98.8	120.9	125.1	0.33	1.00	0.00	0.00	0.00	Y66G
141	77.3	0.347	0.602	0.579	-0.033	0.487	-29.9	22.9	37.7	142.5	90.4	-72.1	97.9	121.6	126.3	0.31	1.00	0.00	0.00	0.00	Y68G
142	76.6	0.342	0.605	0.565	-0.034	0.496	-30.5	22.6	38.0	143.4	90.1	-74.5	96.9	122.3	127.5	0.3	1.00	0.00	0.00	0.00	Y69G
143	75.9	0.337	0.609	0.553	-0.035	0.505	-31.1	22.3	38.3	144.3	89.8	-77.0	95.9	123.0	128.7	0.29	1.00	0.00	0.00	0.00	Y70G
144	75.2	0.332	0.612	0.541	-0.035	0.514	-31.7	22.1	38.7	145.1	89.5	-79.4	94.9	123.8	129.9	0.27	1.00	0.00	0.00	0.00	Y72G
145	74.5	0.326	0.616	0.53	-0.036	0.523	-32.3	21.8	39.0	145.9	89.2	-81.9	93.9	124.6	131.0	0.26					

rgb_{AB}^{ABC} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für **Ostwald-Farben** für CIE-Lichtart D50

X_{xy}, Y_{xy}, Lab_{AB}, ABC_{AB}, LabC_{ab}^{h_{ab}}-Daten zur relative Stufung des Elementarbunttonkreises **h_{AB}** von **LINYAB** für CIE-2-Grad Beobachter

Elementar-Bunttonkreise mit 4 Ziel-Elementar-Bunttonwinkeln: **h_{AB} = 13,9, 87,3, 165,9, 266,0** von **LINYAB** und **1,0, 7,0, 12** (Z) **Bi:** **5,9 -0,4 -6,5**

180, 181, ..., 269		LINYAB-Daten		CIE-Farben		A		B		C _{AB}		h _{AB}		L*		a*		b*		C _{ab} ^{h_{ab}}		h _{ab}		rgb _{AB} ^{ABC}		Code _{AB}	
no.	no.	X _{xy}	Y _{xy}	a	b	C _{AB}	A	B	C _{AB}	h _{AB}	L*	a*	b*	C _{ab} ^{h_{ab}}	h _{ab}	rgb _{AB} ^{ABC}	Code _{AB}										
180	58.5	0.183	0.45	0.406	-0.325	0.558	-32.6	0	32.6	179.5	81.0	-104.6	0.8	104.6	179.5	0.0	1.00	0.28	%	G14B							
181	58.5	0.182	0.445	0.409	-0.334	0.554	-32.4	-0.2	32.4	180.4	81.0	-103.7	-0.7	103.7	180.4	0.0	1.00	0.3	%	G15B							
182	58.4	0.181	0.439	0.413	-0.343	0.55	-32.1	-0.7	32.2	181.4	81.0	-102.7	-2.2	102.7	181.2	0.0	1.00	0.32	%	G16B							
183	58.4	0.181	0.434	0.417	-0.353	0.547	-31.9	-1.3	31.9	182.4	80.9	-101.7	-3.8	101.8	182.1	0.0	1.00	0.34	%	G17B							
184	58.4	0.18	0.429	0.421	-0.362	0.544	-31.7	-1.8	31.7	183.4	80.9	-100.8	-5.3	100.9	183.0	0.0	1.00	0.36	%	G18B							
185	58.3	0.18	0.424	0.425	-0.371	0.54	-31.4	-2.4	31.5	184.4	80.9	-99.8	-6.8	100.0	183.9	0.0	1.00	0.38	%	G19B							
186	58.3	0.18	0.419	0.429	-0.381	0.537	-31.2	-3.0	31.3	185.5	80.9	-98.8	-8.2	99.9	184.7	0.0	1.00	0.4	%	G20B							
187	58.3	0.179	0.414	0.433	-0.391	0.534	-30.9	-3.5	31.1	186.5	80.9	-97.7	-9.7	99.8	185.6	0.0	1.00	0.42	%	G21B							
188	58.2	0.178	0.41	0.437	-0.401	0.531	-30.7	-4.0	30.9	187.5	80.9	-96.7	-11.1	99.7	186.5	0.0	1.00	0.44	%	G22B							
189	58.2	0.178	0.405	0.441	-0.41	0.529	-30.4	-4.6	30.8	188.7	80.8	-95.7	-12.5	99.6	187.4	0.0	1.00	0.46	%	G23B							
190	58.2	0.178	0.4	0.445	-0.419	0.526	-30.2	-5.2	30.6	189.8	80.8	-94.7	-13.9	99.5	188.3	0.0	1.00	0.48	%	G24B							
191	58.2	0.178	0.396	0.449	-0.429	0.524	-29.9	-5.7	30.5	190.9	80.8	-93.7	-15.3	99.5	189.2	0.0	1.00	0.5	%	G25B							
192	58.1	0.177	0.392	0.453	-0.438	0.522	-29.7	-6.3	30.3	192.0	80.8	-92.7	-16.6	99.4	190.1	0.0	1.00	0.52	%	G26B							
193	58.1	0.177	0.387	0.458	-0.448	0.519	-29.4	-6.8	30.2	193.1	80.8	-91.6	-17.9	99.3	191.0	0.0	1.00	0.54	%	G27B							
194	58.1	0.177	0.383	0.462	-0.457	0.517	-29.1	-7.4	30.1	194.3	80.8	-90.6	-19.2	99.2	192.0	0.0	1.00	0.56	%	G28B							
195	58.1	0.177	0.379	0.467	-0.467	0.515	-28.9	-7.9	29.9	195.4	80.8	-89.5	-20.5	99.1	192.9	0.0	1.00	0.58	%	G29B							
196	58.1	0.176	0.375	0.471	-0.476	0.512	-28.6	-8.5	29.8	196.6	80.7	-88.4	-21.8	99.0	193.8	0.0	1.00	0.6	%	G30B							
197	58.1	0.176	0.371	0.475	-0.485	0.51	-28.3	-9.0	29.8	197.8	80.8	-87.5	-22.9	99.0	194.6	0.0	1.00	0.62	%	G31B							
198	58.1	0.176	0.368	0.479	-0.494	0.511	-28.1	-9.5	29.7	198.7	80.8	-86.5	-24.0	89.8	195.5	0.0	1.00	0.64	%	G32B							
199	58.1	0.176	0.364	0.484	-0.503	0.51	-27.9	-10.0	29.6	199.8	80.8	-85.6	-25.1	89.2	196.3	0.0	1.00	0.66	%	G33B							
200	58.0	0.176	0.361	0.488	-0.511	0.509	-27.6	-10.5	29.6	200.8	80.7	-84.6	-26.2	88.6	197.2	0.0	1.00	0.68	%	G34B							
201	58.0	0.176	0.358	0.491	-0.519	0.509	-27.4	-11.0	29.5	201.8	80.7	-83.8	-27.2	88.1	198.0	0.0	1.00	0.7	%	G35B							
202	58.0	0.176	0.355	0.495	-0.527	0.508	-27.1	-11.4	29.5	202.8	80.7	-82.9	-28.2	87.6	198.7	0.0	1.00	0.72	%	G36B							
203	58.0	0.175	0.352	0.499	-0.535	0.507	-26.9	-11.8	29.4	203.7	80.7	-82.1	-29.2	87.1	199.5	0.0	1.00	0.74	%	G37B							
204	57.9	0.175	0.349	0.502	-0.542	0.508	-26.7	-12.2	29.4	204.6	80.7	-81.3	-30.2	86.6	200.3	0.0	1.00	0.76	%	G38B							
205	57.9	0.175	0.347	0.505	-0.549	0.508	-26.5	-12.7	29.4	205.5	80.7	-80.6	-30.8	86.3	200.9	0.0	1.00	0.78	%	G39B							
206	57.8	0.175	0.345	0.508	-0.555	0.508	-26.3	-13.0	29.4	206.5	80.6	-80.0	-31.6	86.0	201.5	0.0	1.00	0.8	%	G40B							
207	57.8	0.175	0.342	0.511	-0.561	0.508	-26.1	-13.4	29.4	207.1	80.6	-79.3	-32.3	85.7	202.1	0.0	1.00	0.82	%	G41B							
208	57.6	0.174	0.339	0.515	-0.573	0.51	-25.8	-14.0	29.4	208.4	80.5	-78.4	-33.2	85.3	202.2	0.0	1.00	0.84	%	G42B							
209	57.6	0.173	0.336	0.514	-0.582	0.516	-25.6	-14.4	29.4	209.3	80.2	-78.3	-34.4	85.6	203.8	0.0	1.00	0.86	%	G43B							
210	55.6	0.17	0.334	0.508	-0.592	0.526	-25.3	-14.6	29.2	209.9	79.4	-78.9	-35.6	86.5	204.1	0.0	1.00	0.88	%	G44B							
211	54.7	0.168	0.331	0.506	-0.602	0.532	-25.0	-14.9	29.1	210.8	78.8	-78.8	-36.3	86.8	205.7	0.0	1.00	0.9	%	G45B							
212	53.7	0.165	0.328	0.504	-0.614	0.54	-24.6	-15.2	29.0	211.7	78.3	-78.8	-37.0	87.0	205.1	0.0	1.00	0.92	%	G46B							
213	52.6	0.163	0.325	0.502	-0.626	0.548	-24.3	-15.6	28.8	212.7	77.6	-78.7	-38.4	87.6	206.0	0.0	1.00	0.94	%	G47B							
214	51.5	0.161	0.322	0.5	-0.639	0.557	-23.9	-15.9	28.7	213.7	77.0	-78.6	-39.5	88.0	206.7	0.0	1.00	0.96	%	G48B							
215	50.4	0.159	0.319	0.498	-0.653	0.566	-23.5	-16.3	28.6	214.7	76.3	-78.5	-40.7	88.4	207.3	0.0	1.00	0.97	%	G49B							
216	49.3	0.156	0.315	0.496	-0.667	0.577	-23.1	-16.6	28.4	215.8	75.6	-78.4	-41.8	88.9	208.0	0.0	1.00	0.94	%	G49B							
217	48.2	0.154	0.312	0.494	-0.683	0.587	-22.6	-17.0	28.3	216.9	75.0	-78.3	-43.0	89.3	208.7	0.0	1.00	0.98	%	G50B							
218	47.1	0.151	0.308	0.492	-0.698	0.599	-22.2	-17.3	28.2	217.9	74.3	-78.1	-44.2	89.8	209.4	0.0	1.00	0.96	%	G51B							
219	46.1	0.149	0.305	0.49	-0.714	0.61	-21.8	-17.7	28.1	219.0	73.6	-77.9	-45.3	90.2	210.1	0.0	1.00	0.94	%	G52B							
220	45.1	0.147	0.302	0.489	-0.731	0.621	-21.4	-18.0	28.0	220.0	73.0	-77.8	-46.4	90.6	210.8	0.0	1.00	0.92	%	G53B							
221	44.1	0.145	0.298	0.488	-0.745	0.631	-20.9	-18.3	27.9	221.1	72.3	-77.1	-47.5	90.6	211.6	0.0	1.00	0.9	%	G54B							
222	43.3	0.144	0.295	0.489	-0.76	0.64	-20.5	-18.6	27.7	222.1	71.7	-76.5	-48.5	90.6	212.3	0.0	1.00	0.88	%	G55B							
223	42.5	0.143	0.292	0.49	-0.773	0.649	-20.1	-18.8	27.6	223.1	71.2	-75.9	-49.4	90.6	213.0	0.0	1.00	0.86	%	G56B							
224	41.8	0.142	0.289	0.491	-0.787	0.657	-19.7	-19.1	27.5	224.0	70.7	-75.2	-50.2	90.5	213.7	0.0	1.00	0.84	%	G57B							
225	41.1	0.14	0.286	0.492	-0.801	0.666	-19.3	-19.3	27.4	224.9	70.2	-74.5	-51.1	90.4	214.4	0.0	1.00	0.82	%	G58B							
226	40.3	0.139	0.282	0.493	-0.815	0.676	-18.9	-19.6	27.3	225.9	69.7	-73.8	-52.0	90.3	215.1	0.0	1.00	0.8	%	G59B							
227	39.6	0.138	0.279	0.495	-0.831	0.686	-18.5	-19.8	27.1	226.9	69.2	-73.0	-52.9	90.2	215.7	0.0	1.00	0.78	%	G60B							
228	38.8	0.137	0.276	0.497	-0.847	0.696	-18.1	-20.1	27.0	227.9	68.6	-72.2	-53.8	90.1	216.7	0.0	1.00	0.76	%	G61B							
229	38.1	0.136	0.273	0.499	-0.863	0.707	-17.7	-20.3	26.9	228.9	68.1	-71.4	-54.8	90.0	217.5	0.0	1.00	0.74	%	G62B							
230	37.3	0.135	0.27	0.501	-0.88	0.719	-17.3	-20.5	26.8	229.9	67.5	-70.5	-55.7	89.8	218.3	0.0	1.00	0.72	%	G63B							
231	36.6	0.134	0.266	0.504	-0.898	0.731	-16.8	-20.8	26.8	230.9	67.0	-69.5	-56.7	89.7	219.1	0.0	1.00	0.7	%	G64B							
232	36.0	0.133	0.264	0.505	-0.912	0.741	-16.5	-21.0	26.7	231.6	66.6	-68.8	-57.4	89.6	219.8	0.0	1.00	0.68	%	G65B							
233	35.5	0.132	0.261	0.508	-0.927	0.751	-16.1	-21.2	26.6	232.6	66.1	-68.0	-58.2	89.5	220.5	0.0	1.00	0.66	%	G66B							
234	34.8	0.132	0.258	0.51	-0.943	0.762	-15.8	-21.3	26.6	233.6	65.6	-67.1	-59.0	89.4	221.2	0.0	1.00	0.64	%	G67B							
235	34.2	0.131	0.255	0.513	-0.96	0.775	-15.4	-21.6	26.5	234.4	65.1	-66.1	-59.8	89.2	222.1	0.0	1.00	0.62	%	G68B							
236	33.5	0.13	0.252	0.517	-0.98	0.788	-14.9	-21.9	26.4	235.4	64.6	-65.0	-60.7	89.0	223.0	0.0	1.00	0.6	%	G69B							
237	32.8	0.129	0.248	0.522	-1.002	0.804	-14.5	-22.0	26.4	236.6	64.0	-63.7	-61.8	88.7	224.1	0.0	1.00	0.58	%	G70B							
238	32.0	0.128	0.244	0.528	-1.027	0.822	-13.9	-22.3	26.3	237.9	63.3	-62.1	-62.9	88.4	225.3	0.0	1.00	0.56	%	G71B							
239	31.4	0.128	0.241	0.532	-1.044	0.834	-13.5	-22.4	26.2	238.8	62.9	-61.0	-63.6	88.2	226.2												

rgb_{AB}^{ABC} and CIE-Daten eines Elementar-Buntonkreises nach CIE RI-47 für Ostwald-Farben für CIE-Licht D50

Xyy, abc_{AB}, ABC_{AB}, LabC_{AB}^{ab}h_{AB}-Daten für relative Stufung des Elementar-buntons L_{AB} von L_{INYAB} für CIE-2-Grad Beobachter

Elementar-Buntonkreise mit 4 Ziel-Elementar-Buntonwinkeln: (R): 13.9, 87.3, 165.9, 266.0 von L_{INYAB} und 10 Ziel-Buntonwinkeln:

270, 271, ..., 360, L _{INYAB} -Daten CIE-Testfarben 9 (R): 12.4 11.3 2.8, 10 (Y): 60.2 60.2 16.0, 11 (G): 13.9 -8.0 17.0, 12 (B): 5.9 -0.4 -6.5																			
no. _{AB} Y ^X	x	y	a	b	c	Testfarben A	B	C _{AB}	h _{AB}	L*	a*	b*	C _{AB} ^{ab}	h _{ab}	rgb _{AB} ^{ABC}	Code _{AB}			
270	13.8	0.124	0.127	0.972	-2.343	2.013	0.1	-27.9	27.9	270.2	44.0	0.7	-95.4	95.4	270.4	0.07	0.00	1.00	% B03R
271	13.3	0.124	0.123	0.005	-2.424	2.094	0.5	-28.0	28.0	271.1	43.3	3.6	-96.5	96.6	272.1	0.09	0.00	1.00	% B04R
272	12.9	0.125	0.116	0.041	-2.509	2.181	0.9	-28.1	28.1	272.0	42.6	6.5	-97.6	97.9	273.8	0.1	0.00	1.00	% B05R
273	12.3	0.125	0.112	0.084	-2.611	2.284	1.4	-28.2	28.2	273.0	41.8	9.9	-98.9	99.4	275.7	0.12	0.00	1.00	% B06R
274	11.8	0.126	0.111	0.135	-2.732	2.408	2.0	-28.3	28.4	274.0	40.9	13.7	-100.3	101.3	277.7	0.14	0.00	1.00	% B07R
275	11.2	0.127	0.106	0.192	-2.867	2.547	2.5	-28.5	28.6	275.1	39.9	17.6	-101.8	103.4	279.8	0.16	0.00	1.00	% B08R
276	10.6	0.128	0.102	0.256	-3.017	2.703	3.1	-28.6	28.8	276.1	39.0	21.1	-103.4	105.7	281.9	0.18	0.00	1.00	% B09R
277	10.0	0.128	0.097	0.327	-3.184	2.877	3.6	-28.7	28.9	277.2	37.9	26.8	-105.0	108.2	283.9	0.2	0.00	1.00	% B10R
278	9.5	0.129	0.089	0.401	-3.375	3.067	4.1	-28.8	29.1	278.3	36.6	33.9	-106.7	110.6	285.9	0.22	0.00	1.00	% B11R
279	8.9	0.13	0.087	0.489	-3.563	3.275	4.7	-28.9	29.3	279.2	35.9	34.8	-108.2	113.7	287.8	0.23	0.00	1.00	% B11R
280	8.4	0.131	0.083	0.579	-3.774	3.498	5.1	-28.9	29.5	280.1	34.9	39.2	-109.8	116.6	289.6	0.25	0.00	1.00	% B12R
281	7.8	0.131	0.078	0.681	-4.045	3.783	5.6	-29.1	29.7	280.9	33.6	43.5	-111.8	119.9	291.2	0.27	0.00	1.00	% B13R
282	6.7	0.125	0.069	0.82	-4.657	4.411	5.8	-29.3	29.9	281.1	31.3	48.1	-115.5	125.1	292.2	0.29	0.00	1.00	% B14R
283	6.2	0.126	0.064	0.965	-5.026	4.801	6.2	-29.4	30.0	282.0	30.0	53.1	-117.4	128.8	294.3	0.31	0.00	1.00	% B15R
284	6.3	0.136	0.064	1.106	-5.428	4.738	7.2	-29.2	30.1	283.0	30.3	59.3	-116.7	130.9	296.9	0.33	0.00	1.00	% B16R
285	6.4	0.14	0.065	1.251	-5.864	4.687	7.6	-29.1	30.1	283.6	30.5	61.4	-116.3	131.5	298.8	0.35	0.00	1.00	% B17R
286	6.6	0.144	0.065	1.404	-6.389	4.651	8.1	-29.0	30.2	284.2	30.5	65.6	-115.8	132.2	300.6	0.37	0.00	1.00	% B18R
287	6.6	0.149	0.066	1.539	-6.706	4.558	8.4	-29.0	30.2	286.2	31.0	65.6	-115.4	132.7	299.6	0.38	0.00	1.00	% B19R
288	6.7	0.153	0.067	1.681	-7.021	4.442	8.9	-29.0	30.3	287.0	31.3	67.7	-114.8	133.3	300.5	0.4	0.00	1.00	% B20R
289	6.9	0.158	0.068	1.821	-7.515	4.399	9.3	-28.9	30.4	287.9	31.6	69.7	-114.2	133.8	301.4	0.42	0.00	1.00	% B21R
290	7.0	0.164	0.069	2.358	-8.409	4.311	9.8	-28.8	30.5	288.8	32.0	71.8	-113.5	134.3	302.3	0.44	0.00	1.00	% B22R
291	7.2	0.169	0.07	2.393	-8.429	4.217	10.3	-28.7	30.5	289.8	32.3	73.7	-112.8	134.7	303.1	0.46	0.00	1.00	% B23R
292	7.4	0.174	0.072	2.425	-8.182	4.12	10.8	-28.6	30.6	290.7	32.8	75.7	-112.0	135.1	304.0	0.48	0.00	1.00	% B24R
293	7.6	0.173	0.073	2.454	-8.063	4.047	11.4	-28.5	30.7	291.7	33.2	77.5	-111.1	135.5	304.9	0.49	0.00	1.00	% B25R
294	7.8	0.186	0.074	2.481	-7.989	3.917	11.9	-28.4	30.8	292.7	33.7	79.3	-110.2	135.9	305.8	0.51	0.00	1.00	% B26R
295	8.1	0.191	0.076	2.503	-7.918	3.813	12.5	-28.3	31.0	293.8	34.2	81.1	-109.3	136.1	306.5	0.53	0.00	1.00	% B26R
296	8.4	0.197	0.078	2.523	-7.839	3.708	13.1	-28.2	31.1	294.8	34.8	82.7	-108.3	136.3	307.3	0.55	0.00	1.00	% B27R
297	8.6	0.203	0.08	2.54	-7.757	3.603	13.6	-28.1	31.3	295.9	35.3	84.3	-107.3	136.5	308.1	0.57	0.00	1.00	% B28R
298	8.9	0.209	0.082	2.554	-7.647	3.499	14.2	-28.0	31.4	297.0	35.9	85.9	-106.2	136.6	308.9	0.59	0.00	1.00	% B29R
299	9.3	0.215	0.084	2.565	-7.324	3.395	14.9	-27.8	31.6	298.1	36.6	87.3	-105.1	136.6	309.7	0.61	0.00	1.00	% B30R
300	9.6	0.222	0.086	2.573	-7.204	3.293	15.5	-27.7	31.8	299.2	37.2	88.7	-103.9	136.7	310.4	0.62	0.00	1.00	% B31R
301	10.0	0.228	0.088	2.578	-7.085	3.193	16.1	-27.6	31.9	300.3	37.8	90.0	-102.7	136.6	311.2	0.64	0.00	1.00	% B32R
302	10.4	0.234	0.09	2.581	-6.968	3.095	16.8	-27.4	32.1	301.4	38.4	91.3	-101.5	136.6	311.9	0.66	0.00	1.00	% B33R
303	10.8	0.24	0.093	2.581	-6.856	3.0	17.4	-27.2	32.4	302.6	39.2	92.5	-100.3	136.4	312.6	0.68	0.00	1.00	% B34R
304	11.2	0.246	0.095	2.579	-6.746	2.906	18.1	-27.1	32.6	303.7	39.9	93.6	-99.0	136.2	313.3	0.7	0.00	1.00	% B35R
305	11.6	0.253	0.098	2.575	-6.639	2.816	18.8	-26.9	32.8	304.9	40.7	94.6	-97.7	136.0	314.0	0.72	0.00	1.00	% B36R
306	12.1	0.259	0.101	2.564	-6.526	2.717	19.4	-26.7	33.1	306.0	41.5	95.5	-96.2	135.5	314.7	0.74	0.00	1.00	% B37R
307	12.8	0.266	0.104	2.54	-6.4	2.602	20.1	-26.5	33.3	307.2	42.4	96.0	-94.5	134.7	315.4	0.75	0.00	1.00	% B37R
308	13.4	0.272	0.108	2.517	-6.284	2.496	20.9	-26.2	33.5	308.4	43.4	96.5	-92.8	133.9	316.1	0.77	0.00	1.00	% B38R
309	14.1	0.279	0.111	2.495	-6.175	2.398	21.6	-26.0	33.8	309.6	44.4	97.0	-91.1	133.1	316.8	0.79	0.00	1.00	% B39R
310	14.7	0.284	0.115	2.474	-6.068	2.303	22.3	-25.8	34.1	310.8	45.4	97.5	-89.4	132.3	317.5	0.81	0.00	1.00	% B40R
311	15.4	0.291	0.118	2.452	-5.961	2.223	23.0	-25.5	34.4	312.0	46.3	98.0	-87.7	131.5	318.1	0.83	0.00	1.00	% B41R
312	16.1	0.297	0.122	2.432	-5.854	2.145	23.7	-25.3	34.7	313.1	47.2	98.4	-86.1	130.8	318.8	0.85	0.00	1.00	% B42R
313	16.8	0.303	0.125	2.413	-5.748	2.074	24.4	-25.0	35.0	314.3	48.1	98.8	-84.5	130.0	319.4	0.87	0.00	1.00	% B43R
314	17.6	0.309	0.129	2.394	-5.639	2.008	25.1	-24.8	35.3	315.4	49.0	99.2	-82.9	129.3	320.1	0.88	0.00	1.00	% B44R
315	18.3	0.314	0.132	2.377	-5.532	1.947	25.8	-24.5	35.6	316.5	49.8	99.6	-81.3	128.6	320.7	0.9	0.00	1.00	% B45R
316	19.0	0.32	0.135	2.36	-5.424	1.89	26.5	-24.2	36.0	317.5	50.7	99.9	-79.8	127.9	321.3	0.92	0.00	1.00	% B46R
317	20.7	0.325	0.138	2.344	-5.314	1.838	27.2	-24.0	36.3	318.6	51.5	100.3	-78.3	127.3	322.0	0.94	0.00	1.00	% B47R
318	21.4	0.33	0.141	2.328	-5.206	1.789	27.9	-23.7	36.6	319.6	52.3	100.6	-76.6	126.6	322.6	0.96	0.00	1.00	% B48R
319	21.2	0.335	0.144	2.313	-5.136	1.745	28.6	-23.4	37.0	320.6	53.1	101.0	-75.0	125.6	323.2	0.98	0.00	1.00	% B49R
320	21.9	0.339	0.147	2.299	-5.069	1.703	29.2	-23.2	37.3	321.6	53.9	101.3	-74.0	125.4	323.8	1.00	0.00	0.99	% B50R
321	22.6	0.344	0.15	2.286	-4.998	1.665	29.9	-22.9	37.7	322.5	54.7	101.5	-72.7	124.9	324.4	1.00	0.00	0.98	% B50R
322	23.3	0.348	0.153	2.273	-4.93	1.629	30.5	-22.6	38.0	323.4	55.4	101.8	-71.3	124.3	324.9	1.00	0.00	0.96	% B51R
323	24.0	0.352	0.155	2.26	-4.861	1.596	31.1	-22.3	38.3	324.3	56.1	102.1	-70.0	123.8	325.5	1.00	0.00	0.94	% B52R
324	24.7	0.356	0.158	2.247	-4.784	1.563	31.7	-22.1	38.7	325.1	56.8	102.3	-68.8	123.3	326.0	1.00	0.00	0.92	% B53R
325	25.4	0.36	0.16	2.237	-4.707	1.537	32.3	-21.8	39.0	325.9	57.4	102.5	-67.5	122.8	326.6	1.00	0.00	0.9	% B54R
326	26.0	0.363	0.163	2.227	-4.631	1.511	32.9	-21.5	39.3	326.7	58.1	102.8	-66.3	122.3	327.1	1.00	0.00	0.88	% B55R
327	26.7	0.367	0.165	2.216	-4.556	1.485	33.4	-21.3	39.6	327.4	58.7	102.9	-65.2	121.9	327.6	1.00	0.00	0.87	% B56R
328	27.3	0.37	0.167	2.207	-4.481	1.462	33.9	-21.0	40.0	328.2	59.3	103.1	-64.1	121.4	328.1	1.00	0.00	0.85	% B57R
329	28.2	0.375	0.17	2.193	-4.406	1.431	34.6	-20.6	40.3	329.2	60.0	103.3	-62.9	120.7	328.8	1.00	0.00	0.83	% B58R
330	29.3	0.381	0.175	2.173	-4.331	1.387	35.5	-19.9	40.7	330.7	61.1	103.4	-61.9	119.9	329.8	1.00	0.00	0.81	% B59R
331	30.3	0.387	0.179	2.155</															