

see similar files: <http://farbe.li-tu-berlin.de/DE14/DE14.HTM>
technical information: <http://farbe.li-tu-berlin.de> or <http://130.149.60.45/~farbmeterik>

Code	X	Y	Z	x	y	A ₀	B ₀	CAB ₀	a ₀	b ₀	hAB ₀	i _d	λ _d	i _c	λ _c
D65	95.04	100.0	108.89	0.312	0.329	0.0	0.0	0.0	0.95	-0.435	0				
520_775	76.66	81.98	1.16	0.479	0.513	-1.25	35.24	35.26	0.934	-0.005	92	40	575	20	476
380_520	18.37	18.01	107.72	0.127	0.124	1.25	-35.24	35.26	1.019	-2.392	272	20	476	40	575
D50	96.42	100.0	82.49	0.345	0.358	0.0	0.0	0.0	0.963	-0.329	0				
520_775	82.76	84.29	1.11	0.492	0.501	1.49	27.36	27.41	0.981	-0.005	86	40	577	20	478
380_520	13.65	15.7	81.37	0.123	0.141	-1.49	-27.36	27.41	0.869	-2.073	266	20	478	40	577
P40	100.93	100.0	64.68	0.379	0.376	0.0	0.0	0.0	1.009	-0.258	0				
520_775	90.27	86.6	1.03	0.507	0.486	2.86	21.99	22.18	1.042	-0.004	82	40	579	20	479
380_520	10.66	13.39	63.65	0.121	0.152	-2.86	-21.99	22.18	0.795	-1.9	262	20	479	40	579
A00	109.84	99.99	35.58	0.447	0.407	0.0	0.0	0.0	1.098	-0.142	0				
520_775	104.23	90.39	0.89	0.533	0.462	4.93	12.5	13.44	1.152	-0.003	68	41	583	21	483
380_520	5.61	9.6	34.68	0.112	0.192	-4.93	-12.5	13.44	0.584	-1.445	248	21	483	41	583
E00	100.0	100.0	100.0	0.333	0.333	0.0	0.0	0.0	0.999	-0.4	0				
520_775	82.94	83.65	1.09	0.494	0.498	-0.7	33.02	33.03	0.991	-0.005	91	40	577	20	476
380_520	17.05	16.34	98.9	0.128	0.123	0.7	-33.02	33.03	1.042	-2.42	271	20	476	40	577
C00	98.07	100.0	118.22	0.31	0.316	0.0	0.0	0.0	0.98	-0.472	0				
520_775	77.99	82.02	1.09	0.484	0.509	-2.43	38.35	38.42	0.95	-0.005	93	40	576	20	475
380_520	20.07	17.97	117.13	0.129	0.115	2.43	-38.35	38.42	1.115	-2.606	273	20	475	40	576
P00	102.06	100.0	81.06	0.36	0.353	0.0	0.0	0.0	1.02	-0.324	0				
520_775	88.4	85.46	1.04	0.505	0.488	1.18	27.29	27.31	1.034	-0.004	87	40	579	20	477
380_520	13.65	14.53	80.01	0.126	0.134	-1.18	-27.29	27.31	0.939	-2.202	267	20	477	40	579
Q00	97.93	100.0	118.95	0.309	0.315	0.0	0.0	0.0	0.979	-0.475	0				
520_775	77.48	81.84	1.14	0.482	0.51	-2.66	38.48	38.57	0.946	-0.005	93	40	576	20	475
380_520	20.44	18.15	117.8	0.13	0.116	2.66	-38.48	38.57	1.125	-2.596	273	20	475	40	576

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Code	X	Y	Z	x	y	A ₀	B ₀	CAB ₀	a ₀	b ₀	hAB ₀	i _d	λ _d	i _c	λ _c
D65	95.04	100.0	108.89	0.312	0.329	0.0	0.0	0.0	0.95	-0.435	0				
475_575	20.04	60.94	19.98	0.198	0.603	-37.86	18.55	42.16	0.328	-0.131	153	29	523	-1	523c
575_475	74.99	39.05	88.91	0.369	0.192	37.85	-18.55	42.15	1.919	-0.91	333	-1	523c	29	523
D50	96.42	100.0	82.49	0.345	0.358	0.0	0.0	0.0	0.963	-0.329	0				
475_575	19.63	58.33	17.05	0.206	0.613	-36.59	12.42	38.65	0.336	-0.116	161	29	521	-1	521c
575_475	76.79	41.66	65.44	0.417	0.226	36.58	-12.42	38.64	1.842	-0.628	341	-1	521c	29	521
P40	100.93	100.0	64.68	0.379	0.376	0.0	0.0	0.0	1.009	-0.258	0				
475_575	18.89	54.43	14.09	0.216	0.622	-36.02	8.44	37.0	0.347	-0.103	166	29	520	-1	520c
575_475	82.03	45.56	50.59	0.46	0.255	36.02	-8.44	36.99	1.799	-0.444	346	-1	520c	29	520
A00	109.84	99.99	35.58	0.447	0.407	0.0	0.0	0.0	1.098	-0.142	0				
475_575	17.53	47.72	9.65	0.234	0.637	-34.87	2.93	35.0	0.367	-0.08	175	28	517	-1	517c
575_475	92.31	52.27	25.93	0.541	0.306	34.87	-2.93	34.99	1.765	-0.198	355	-1	517c	28	517
E00	100.0	100.0	100.0	0.333	0.333	0.0	0.0	0.0	0.999	-0.4	0				
475_575	19.32	57.7	17.71	0.203	0.609	-38.36	15.99	41.56	0.334	-0.122	157	29	523	-1	523c
575_475	80.67	42.29	82.28	0.393	0.206	38.34	-15.99	41.54	1.906	-0.778	337	-1	523c	29	523
C00	98.07	100.0	118.22	0.31	0.316	0.0	0.0	0.0	0.98	-0.472	0				
475_575	20.3	60.02	20.89	0.2	0.592	-38.54	20.02	43.43	0.338	-0.139	152	29	524	-1	524c
575_475	77.76	39.97	97.32	0.361	0.185	38.52	-20.02	43.42	1.944	-0.973	332	-1	524c	29	524
P00	102.06	100.0	81.06	0.36	0.353	0.0	0.0	0.0	1.02	-0.324	0				
475_575	18.89	55.19	15.54	0.21	0.615	-37.42	11.67	39.2	0.342	-0.112	162	29	521	-1	521c
575_475	83.17	44.8	65.52	0.429	0.231	37.41	-11.67	39.19	1.855	-0.584	342	-1	521c	29	521
Q00	97.93	100.0	118.95	0.309	0.315	0.0	0.0	0.0	0.979	-0.475	0				
475_575	19.76	60.21	19.89	0.197	0.602	-39.19	20.69	44.31	0.328	-0.132	152	29	524	-1	524c
575_475	78.16	39.78	99.06	0.36	0.183	39.17	-20.69	44.3	1.963	-0.995	332	-1	524c	29	524

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TUB-test chart DE14; YB & GM data; 8 illuminants; 2°
CIEXYZ, YABCh0 data; wavelength λ_d and λ_c

Code	X	Y	Z	x	y	A ₁	B ₁	CAB ₁	a ₁	b ₁	hAB ₁	i _d	λ _d	i _c	λ _c
D65	95.04	100.0	108.89	0.312	0.329	0.0	0.0	0.0	0.43	-0.435	0				
520_775	76.66	81.98	1.16	0.479	0.513	14.02	35.24	37.93	0.601	-0.005	68	40	575	20	476
380_520	18.37	18.01	107.72	0.127	0.124	-14.01	-35.24	37.93	-0.347	-2.392	248	20	476	40	575
D50	96.42	100.0	82.49	0.345	0.358	0.0	0.0	0.0	0.487	-0.329	0				
520_775	82.76	84.29	1.11	0.492	0.501	12.93	27.36	30.27	0.64	-0.005	64	40	577	20	478
380_520	13.65	15.7	81.37	0.123	0.141	-12.92	-27.36	30.26	-0.336	-2.073	244	20	478	40	577
P40	100.93	100.0	64.68	0.379	0.376	0.0	0.0	0.0	0.554	-0.258	0				
520_775	90.27	86.6	1.03	0.507	0.486	11.77	21.99	24.94	0.69	-0.004	61	40	579	20	479
380_520	10.66	13.39	63.65	0.121	0.152	-11.76	-21.99	24.94	-0.323	-1.9	241	20	479	40	579
A00	109.84	99.99	35.58	0.447	0.407	0.0	0.0	0.0	0.678	-0.142	0				
520_775	104.23	90.39	0.89	0.533	0.462	9.43	12.5	15.66	0.783	-0.003	52	41	583	21	483
380_520	5.61	9.6	34.68	0.112	0.192	-9.43	-12.5	15.66	-0.303	-1.445	232	21	483	41	583
E00	100.0	100.0	100.0	0.333	0.333	0.0	0.0	0.0	0.486	-0.4	0				
520_775	82.94	83.65	1.09	0.494	0.498	13.53	33.02	35.68	0.648	-0.005	67	40	577	20	476
380_520	17.05	16.34	98.9	0.128	0.123	-13.52	-33.02	35.68	-0.34	-2.42	247	20	476	40	577
C00	98.07	100.0	118.22	0.31	0.316	0.0	0.0	0.0	0.439	-0.472	0				
520_775	77.99	82.02	1.09	0.484	0.509	14.36	38.35	40.95	0.614	-0.005	69	40	576	20	475
380_520	20.07	17.97	117.13	0.129	0.115	-14.35	-38.35	40.95	-0.359	-2.606	249	20	475	40	576
P00	102.06	100.0	81.06	0.36	0.353	0.0	0.0	0.0	0.536	-0.324	0				
520_775	88.4	85.46	1.04	0.505	0.488	12.64	27.29	30.07	0.684	-0.004	65	40	579	20	477
380_520	13.65	14.53	80.01	0.126	0.134	-12.63	-27.29	30.07	-0.333	-2.202	245	20	477	40	579
Q00	97.93	100.0	118.95	0.309	0.315	0.0	0.0	0.0	0.437	-0.475	0				
520_775	77.48	81.84	1.14	0.482	0.51	14.23	38.48	41.03	0.611	-0.005	69	40	576	20	475
380_520	20.44	18.15	117.8	0.13	0.116	-14.22	-38.48	41.03	-0.346	-2.596	249	20	475	40	576

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Code	X	Y	Z	x	y	A ₁	B ₁	C _{AB1}	a ₁	b ₁	h _{AB1}	i _d	λ _d	i _c	λ _c
D65	95.04	100.0	108.89	0.312	0.329	0.0	0.0	0.0	0.43	-0.435	0				
475_575	20.04	60.94	19.98	0.198	0.603	-23.46	18.55	29.91	0.045	-0.131	141	29	523	-1	523c
575_475	74.99	39.05	88.91	0.369	0.192	23.45	-18.55	29.9	1.031	-0.91	321	-1	523c	29	523
D50	96.42	100.0	82.49	0.345	0.358	0.0	0.0	0.0	0.487	-0.329	0				
475_575	19.63	58.33	17.05	0.206	0.613	-25.03	12.42	27.94	0.058	-0.116	153	29	521	-1	521c
575_475	76.79	41.66	65.44	0.417	0.226	25.02	-12.42	27.94	1.087	-0.628	333	-1	521c	29	521
P40	100.93	100.0	64.68	0.379	0.376	0.0	0.0	0.0	0.554	-0.258	0				
475_575	18.89	54.43	14.09	0.216	0.622	-26.25	8.44	27.58	0.072	-0.103	162	29	520	-1	520c
575_475	82.03	45.56	50.59	0.46	0.255	26.25	-8.44	27.57	1.131	-0.444	342	-1	520c	29	520
A00	109.84	99.99	35.58	0.447	0.407	0.0	0.0	0.0	0.678	-0.142	0				
475_575	17.53	47.72	9.65	0.234	0.637	-27.66	2.93	27.81	0.098	-0.08	173	28	517	-1	517c
575_475	92.31	52.27	25.93	0.541	0.306	27.65	-2.93	27.81	1.207	-0.198	353	-1	517c	28	517
E00	100.0	100.0	100.0	0.333	0.333	0.0	0.0	0.0	0.486	-0.4	0				
475_575	19.32	57.7	17.71	0.203	0.609	-24.96	15.99	29.65	0.054	-0.122	147	29	523	-1	523c
575_475	80.67	42.29	82.28	0.393	0.206	24.95	-15.99	29.64	1.076	-0.778	327	-1	523c	29	523
C00	98.07	100.0	118.22	0.31	0.316	0.0	0.0	0.0	0.439	-0.472	0				
475_575	20.3	60.02	20.89	0.2	0.592	-23.39	20.02	30.79	0.049	-0.139	139	29	524	-1	524c
575_475	77.76	39.97	97.32	0.361	0.185	23.38	-20.02	30.78	1.024	-0.973	319	-1	524c	29	524
P00	102.06	100.0	81.06	0.36	0.353	0.0	0.0	0.0	0.536	-0.324	0				
475_575	18.89	55.19	15.54	0.21	0.615	-26.03	11.67	28.53	0.064	-0.112	155	29	521	-1	521c
575_475	83.17	44.8	65.52	0.429	0.231	26.02	-11.67	28.52	1.117	-0.584	335	-1	521c	29	521
Q00	97.93	100.0	118.95	0.309	0.315	0.0	0.0	0.0	0.437	-0.475	0				
475_575	19.76	60.21	19.89	0.197	0.602	-23.64	20.69	31.42	0.044	-0.132	138	29	524	-1	524c
575_475	78.16	39.78	99.06	0.36	0.183	23.63	-20.69	31.41	1.031	-0.995	318	-1	524c	29	524

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Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	A _{0,10}	B _{0,10}	C _{AB0,10}	a _{0,10}	b _{0,10}	h _{AB0,10}	i _d	λ _d	i _c	λ _c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.0	0.947	-0.429	0				
520_775	76.0	75.81	0.68	0.498	0.497	4.12	32.27	32.53	1.002	-0.003	82	39	573	19	473
380_520	18.8	24.18	106.64	0.125	0.161	-4.12	-32.27	32.53	0.777	-1.763	262	19	473	39	573
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	0.966	-0.325	0				
520_775	82.62	79.01	0.66	0.509	0.486	6.2	25.46	26.2	1.045	-0.003	76	40	575	20	475
380_520	14.09	20.98	80.74	0.121	0.181	-6.2	-25.46	26.2	0.671	-1.538	256	20	475	40	575
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.017	-0.257	0				
520_775	90.55	82.13	0.61	0.522	0.473	6.98	20.92	22.06	1.102	-0.002	71	40	577	20	476
380_520	11.19	17.86	63.83	0.12	0.192	-6.97	-20.92	22.06	0.626	-1.429	251	20	476	40	577
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.0	1.111	-0.14	0				
520_775	105.15	87.34	0.52	0.544	0.452	8.07	12.08	14.53	1.203	-0.002	56	41	581	20	479
380_520	5.99	12.65	34.67	0.112	0.237	-8.07	-12.08	14.53	0.473	-1.095	236	20	479	41	581
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	0.999	-0.4	0				
520_775	82.25	77.97	0.64	0.511	0.484	4.29	30.93	31.22	1.054	-0.003	82	40	575	19	473
380_520	17.73	22.02	99.36	0.127	0.158	-4.29	-30.93	31.22	0.804	-1.804	262	19	473	40	575
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	0.972	-0.464	0				
520_775	76.94	75.56	0.63	0.502	0.493	3.43	34.85	35.02	1.018	-0.003	84	39	574	19	472
380_520	20.34	24.43	115.51	0.126	0.152	-3.43	-34.85	35.02	0.831	-1.89	264	19	472	39	574
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	1.023	-0.325	0				
520_775	88.06	80.45	0.61	0.52	0.475	5.7	25.9	26.52	1.094	-0.003	77	40	577	19	474
380_520	14.31	19.54	80.63	0.124	0.17	-5.7	-25.9	26.52	0.731	-1.65	257	19	474	40	577
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.0	0.976	-0.473	0				
520_775	76.55	75.53	0.67	0.501	0.494	2.8	35.5	35.61	1.013	-0.003	85	39	573	19	472
380_520	21.09	24.46	117.74	0.129	0.149	-2.8	-35.5	35.61	0.861	-1.924	265	19	472	39	573

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Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	A _{0,10}	B _{0,10}	C _{AB0,10}	a _{0,10}	b _{0,10}	h _{AB0,10}	i _d	λ _d	i _c	λ _c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.0	0.947	-0.429	0				
475_575	22.42	60.73	16.02	0.226	0.612	-35.14	19.66	40.27	0.369	-0.105	150	30	525	-1	525c
575_475	72.38	39.26	91.31	0.356	0.193	35.13	-19.66	40.26	1.842	-0.93	330	-1	525c	30	525
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	0.966	-0.325	0				
475_575	22.27	58.43	13.78	0.235	0.618	-34.23	13.51	36.8	0.381	-0.094	158	29	524	-1	524c
575_475	74.44	41.56	67.62	0.405	0.226	34.22	-13.51	36.79	1.79	-0.65	338	-1	524c	29	524
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.017	-0.257	0				
475_575	21.68	54.74	11.45	0.246	0.622	-34.01	9.53	35.32	0.395	-0.083	164	29	522	-1	522c
575_475	80.07	45.25	52.99	0.449	0.253	34.0	-9.53	35.31	1.768	-0.468	344	-1	522c	29	522
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.0	1.111	-0.14	0				
475_575	20.45	48.18	7.89	0.267	0.629	-33.09	3.62	33.29	0.424	-0.065	173	28	518	-1	518c
575_475	90.69	51.81	27.3	0.534	0.305	33.08	-3.62	33.28	1.749	-0.21	353	-1	518c	28	518
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	0.999	-0.4	0				
475_575	21.77	57.67	14.26	0.232	0.615	-35.87	17.36	39.86	0.377	-0.098	154	30	525	-1	525c
575_475	78.21	42.32	85.74	0.379	0.205	35.86	-17.36	39.85	1.847	-0.81	334	-1	525c	30	525
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	0.972	-0.464	0				
475_575	22.49	59.8	16.77	0.227	0.603	-35.66	21.07	41.42	0.376	-0.112	149	30	525	-1	525c
575_475	74.79	40.19	99.37	0.348	0.187	35.65	-21.07	41.41	1.859	-0.988	329	-1	525c	30	525
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	1.023	-0.325	0				
475_575	21.49	55.37	12.59	0.24	0.618	-35.18	12.96	37.49	0.388	-0.09	159	29	524	-1	524c
575_475	80.87	44.62	68.66	0.416	0.229	35.17	-12.96	37.48	1.811	-0.615	339	-1	524c	29	524
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.0	0.976	-0.473	0				
475_575	22.05	59.93	15.9	0.225	0.612	-36.45	22.02	42.59	0.367	-0.106	148	30	526	-1	526c
575_475	75.59	40.06	102.51	0.346	0.183	36.44	-22.02	42.58	1.885	-1.023	328	-1	526c	30	526

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TUB-test chart DE14; YB & GM data; 8 illuminants; 10°
CIEXYZ, YABCh0 data; wavelength λ_d and λ_c

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	A _{1,10}	B _{1,10}	C _{AB1,10}	a _{1,10}	b _{1,10}	h _{AB1,10}	i _d	λ _d	i _c	λ _c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.0	0.431	-0.429	0				
520_775	76.0	75.81	0.68	0.498	0.497	17.21	32.27	36.57	0.658	-0.003	61	39	573	19	473
380_520	18.8	24.18	106.64	0.125	0.161	-17.2	-32.27	36.57	-0.28	-1.763	241	19	473	39	573
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	0.491	-0.325	0				
520_775	82.62	79.01	0.66	0.509	0.486	16.02	25.46	30.08	0.694	-0.003	57	40	575	20	475
380_520	14.09	20.98	80.74	0.121	0.181	-16.02	-25.46	30.08	-0.271	-1.538	237	20	475	40	575
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	0.562	-0.257	0				
520_775	90.55	82.13	0.61	0.522	0.473	14.73	20.92	25.59	0.741	-0.002	54	40	577	20	476
380_520	11.19	17.86	63.83	0.12	0.192	-14.72	-20.92	25.59	-0.262	-1.429	234	20	476	40	577
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.0	0.69	-0.14	0				
520_775	105.15	87.34	0.52	0.544	0.452	11.86	12.08	16.93	0.825	-0.002	45	41	581	20	479
380_520	5.99	12.65	34.67	0.112	0.237	-11.86	-12.08	16.93	-0.246	-1.095	225	20	479	41	581
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	0.486	-0.4	0				
520_775	82.25	77.97	0.64	0.511	0.484	16.78	30.93	35.19	0.701	-0.003	61	40	575	19	473
380_520	17.73	22.02	99.36	0.127	0.158	-16.77	-30.93	35.18	-0.274	-1.804	241	19	473	40	575
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	0.436	-0.464	0				
520_775	76.94	75.56	0.63	0.502	0.493	17.74	34.85	39.1	0.671	-0.003	63	39	574	19	472
380_520	20.34	24.43	115.51	0.126	0.152	-17.73	-34.85	39.1	-0.288	-1.89	243	19	472	39	574
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	0.538	-0.325	0				
520_775	88.06	80.45	0.61	0.52	0.475	15.79	25.9	30.33	0.734	-0.003	58	40	577	19	474
380_520	14.31	19.54	80.63	0.124	0.17	-15.79	-25.9	30.33	-0.269	-1.65	238	19	474	40	577
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.0	0.435	-0.473	0				
520_775	76.55	75.53	0.67	0.501	0.494	17.49	35.5	39.58	0.667	-0.003	63	39	573	19	472
380_520	21.09	24.46	117.74	0.129	0.149	-17.48	-35.5	39.58	-0.278	-1.924	243	19	472	39	573

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Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	A _{1,10}	B _{1,10}	C _{AB1,10}	a _{1,10}	b _{1,10}	h _{AB1,10}	i _d	λ _d	i _c	λ _c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.0	0.431	-0.429	0				
475_575	22.42	60.73	16.02	0.226	0.612	-20.73	19.66	28.57	0.089	-0.105	136	30	525	-1	525c
575_475	72.38	39.26	91.31	0.356	0.193	20.72	-19.66	28.57	0.959	-0.93	316	-1	525c	30	525
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	0.491	-0.325	0				
475_575	22.27	58.43	13.78	0.235	0.618	-22.6	13.51	26.33	0.104	-0.094	149	29	524	-1	524c
575_475	74.44	41.56	67.62	0.405	0.226	22.59	-13.51	26.33	1.035	-0.65	329	-1	524c	30	524
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	0.562	-0.257	0				
475_575	21.68	54.74	11.45	0.246	0.622	-24.12	9.53	25.94	0.121	-0.083	158	29	522	-1	522c
575_475	80.07	45.25	52.99	0.449	0.253	24.12	-9.53	25.93	1.095	-0.468	338	-1	522c	29	522
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.0	0.69	-0.14	0				
475_575	20.45	48.18	7.89	0.267	0.629	-25.88	3.62	26.13	0.152	-0.065	172	28	518	-1	518c
575_475	90.69	51.81	27.3	0.534	0.305	25.88	-3.62	26.13	1.189	-0.21	352	-1	518c	28	518
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	0.486	-0.4	0				
475_575	21.77	57.67	14.26	0.232	0.615	-22.32	17.36	28.28	0.099	-0.098	142	30	525	-1	525c
575_475	78.21	42.32	85.74	0.379	0.205	22.31	-17.36	28.27	1.014	-0.81	322	-1	525c	30	525
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	0.436	-0.464	0				
475_575	22.49	59.8	16.77	0.227	0.603	-20.56	21.07	29.44	0.092	-0.112	134	30	525	-1	525c
575_475	74.79	40.19	99.37	0.348	0.187	20.55	-21.07	29.44	0.948	-0.988	314	-1	525c	30	525
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	0.538	-0.325	0				
475_575	21.49	55.37	12.59	0.24	0.618	-23.62	12.96	26.94	0.111	-0.09	151	29	524	-1	524c
575_475	80.87	44.62	68.66	0.416	0.229	23.62	-12.96	26.94	1.067	-0.615	331	-1	524c	29	524
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.0	0.435	-0.473	0				
475_575	22.05	59.93	15.9	0.225	0.612	-20.81	22.02	30.3	0.088	-0.106	133	30	526	-1	526c
575_475	75.59	40.06	102.51	0.346	0.183	20.8	-22.02	30.29	0.955	-1.023	313	-1	526c	30	526