

Erratum

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G. S. Bisnovatyi-Kogan, *Stellar Physics. 1: Fundamental Concepts and Stellar Equilibrium*, ISBN 3-540-63262-X

Table 2.1 has (in the printed version) some errors in the opacity, corresponding to temperatures $\text{Log } T = 6.80$ and 7.15 on page 85. The complete corrected table follows on the next 6 pages.

Table 2.1. Opacities $\log_{10} \kappa$ ($\text{cm}^2 \text{g}^{-1}$) for the chemical composition $x_H = 0.7$, $x_{He} = 0.28$, $x_Z = 0.02$ for $\log_{10} T(K) = 3 \div 9.3$, in steps of 0.05 and $\log_{10} \rho(\text{g/cm}^3) = -12, -11.5, -11, -10.5, -10, -9.5, -9, -8.5, -8, -7.5, -7, -6.5, -6, -5.5, -5, -4.5, -4, -3.5, -3, -2.5, -2, -1.5, -1, -0.5, 0, 0.5, 1, 1.5, 2, 3, 4, 5, 6, 7, 8, 9, 10$.

$\log_{10} T(K)$	$\log_{10} \rho(\text{g/cm}^3)$																		
	-12	-11.5	-11	-10.5	-10	-9.5	-9	-8.5	-8	-7.5	-7	-6.5	-6	-5.5	-5	-4.5	-4	-3.5	-3
(3.00)	0.579	0.581	0.582	0.581	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.583	0.584	0.586	0.587	0.588	0.589
(3.05)	0.325	0.438	0.538	0.584	0.626	0.636	0.638	0.638	0.638	0.638	0.638	0.638	0.638	0.643	0.649	0.654	0.659	0.665	0.670
(3.10)	0.071	0.155	-0.107	-0.023	0.220	0.454	0.581	0.640	0.681	0.697	0.698	0.699	0.699	0.718	0.737	0.756	0.775	0.794	0.813
(3.15)	-2.397	-2.397	-2.396	-2.398	-1.109	-0.914	-0.737	-0.585	0.057	0.483	0.622	0.688	0.733	0.770	0.807	0.844	0.881	0.919	0.956
(3.20)	-2.254	-2.252	-2.251	-2.251	-2.250	-2.252	-2.252	-2.251	-2.248	-0.901	-0.790	-0.682	-0.580	-0.536	-0.492	-0.448	-0.404	-0.360	-0.316
(3.25)	-2.089	-2.034	-2.016	-2.007	-2.003	-2.001	-2.000	-1.999	-1.998	-1.995	-1.994	-1.988	-1.978	-1.945	-1.912	-1.879	-1.847	-1.814	-1.781
(3.30)	-3.013	-2.414	-2.041	-1.882	-1.825	-1.805	-1.796	-1.791	-1.788	-1.785	-1.782	-1.779	-1.774	-1.756	-1.738	-1.719	-1.701	-1.683	-1.665
(3.35)	-4.496	-3.911	-3.197	-2.539	-2.050	-1.780	-1.667	-1.623	-1.604	-1.594	-1.587	-1.581	-1.574	-1.557	-1.540	-1.523	-1.506	-1.489	-1.473
(3.40)	-4.800	-4.733	-4.463	-3.925	-3.224	-2.540	-2.001	-1.667	-1.505	-1.434	-1.401	-1.381	-1.365	-1.327	-1.289	-1.251	-1.213	-1.175	-1.137
(3.45)	-4.429	-4.481	-4.487	-4.404	-4.146	-3.660	-3.025	-2.370	-1.825	-1.471	-1.283	-1.189	-1.136	-1.049	-0.963	-0.876	-0.790	-0.703	-0.616
(3.50)	-4.131	-4.124	-4.087	-4.009	-3.876	-3.672	-3.376	-2.978	-2.480	-1.939	-1.462	-1.136	-0.948	-0.792	-0.636	-0.480	-0.323	-0.167	-0.011
(3.55)	-4.056	-4.000	-3.895	-3.731	-3.511	-3.250	-2.967	-2.678	-2.385	-2.083	-1.775	-1.476	-1.201	-0.977	-0.752	-0.528	-0.304	-0.079	0.145
(3.60)	-3.910	-3.934	-3.874	-3.704	-3.426	-3.073	-2.696	-2.328	-1.984	-1.666	-1.363	-1.070	-0.789	-0.513	-0.237	0.039	0.314	0.590	0.866
(3.65)	-3.338	-3.474	-3.546	-3.516	-3.354	-3.059	-2.665	-2.229	-1.800	-1.399	-1.034	-0.699	-0.391	-0.076	0.238	0.553	0.868	1.182	1.497
(3.70)	-2.605	-2.781	-2.903	-2.935	-2.858	-2.681	-2.428	-2.111	-1.736	-1.320	-0.895	-0.489	-0.114	0.228	0.570	0.912	1.255	1.597	1.939
(3.75)	-1.853	-2.040	-2.183	-2.245	-2.199	-2.060	-1.859	-1.622	-1.360	-1.070	-0.744	-0.376	0.023	0.367	0.711	1.055	1.399	1.742	2.086
(3.80)	-1.145	-1.304	-1.432	-1.499	-1.484	-1.383	-1.223	-1.024	-0.807	-0.574	-0.324	-0.049	0.256	0.570	0.883	1.197	1.510	1.824	2.137
(3.85)	-0.587	-0.649	-0.707	-0.738	-0.724	-0.657	-0.545	-0.396	-0.220	-0.028	0.180	0.409	0.662	0.798	1.066	1.335	1.603	1.871	2.139
(3.90)	-0.362	-0.264	-0.162	-0.074	0.002	0.079	0.167	0.271	0.396	0.541	0.708	0.893	1.101	1.238	1.462	1.689	1.916	2.143	2.370
(3.95)	-0.363	-0.205	0.018	0.272	0.507	0.684	0.815	0.920	1.020	1.125	1.244	1.382	1.544	1.700	1.893	2.088	2.284	2.479	2.674
(4.00)	-0.416	-0.270	-0.035	0.285	0.647	0.983	1.250	1.440	1.575	1.680	1.779	1.883	2.004	2.150	2.312	2.482	2.652	2.823	2.992
(4.05)	-0.444	-0.338	-0.143	0.156	0.541	0.964	1.366	1.702	1.948	2.120	2.244	2.348	2.451	2.577	2.708	2.857	3.007	3.157	3.305
(4.10)	-0.436	-0.362	-0.216	0.027	0.368	0.785	1.241	1.686	2.069	2.365	2.578	2.730	2.850	2.962	3.078	3.209	3.345	3.482	3.616
(4.15)	-0.424	-0.369	-0.260	-0.071	0.212	0.581	1.014	1.488	1.959	2.379	2.716	2.964	3.143	3.281	3.404	3.527	3.660	3.792	3.922
(4.20)	-0.420	-0.371	-0.280	-0.127	0.107	0.426	0.817	1.269	1.756	2.242	2.686	3.054	3.328	3.525	3.678	3.811	3.950	4.088	4.221
(4.25)	-0.424	-0.384	-0.308	-0.178	0.022	0.302	0.658	1.081	1.553	2.048	2.544	3.006	3.390	3.681	3.893	4.060	4.211	4.363	4.507
(4.30)	-0.425	-0.398	-0.337	-0.230	-0.058	0.191	0.521	0.925	1.383	1.872	2.377	2.882	3.350	3.741	4.039	4.264	4.441	4.614	4.772
(4.35)	-0.416	-0.393	-0.347	-0.263	-0.121	0.098	0.404	0.790	1.240	1.728	2.236	2.752	3.258	3.723	4.111	4.410	4.634	4.831	5.005
(4.40)	-0.402	-0.382	-0.336	-0.263	-0.147	0.035	0.307	0.675	1.118	1.607	2.120	2.645	3.168	3.671	4.123	4.497	4.781	4.998	5.189
(4.45)	-0.395	-0.375	-0.329	-0.253	-0.143	0.016	0.249	0.583	1.008	1.495	2.011	2.544	3.084	3.612	4.103	4.530	4.876	5.133	5.337
(4.50)	-0.394	-0.372	-0.337	-0.258	-0.139	0.024	0.240	0.536	0.927	1.397	1.911	2.445	2.996	3.543	4.065	4.527	4.917	5.210	5.426
(4.55)	-0.398	-0.379	-0.351	-0.284	-0.164	0.012	0.244	0.535	0.899	1.339	1.835	2.360	2.904	3.456	3.996	4.493	4.911	5.239	5.460
(4.60)	-0.404	-0.387	-0.368	-0.318	-0.213	-0.043	0.199	0.512	0.886	1.314	1.787	2.290	2.814	3.353	3.898	4.414	4.855	5.208	5.448
(4.65)	-0.412	-0.398	-0.381	-0.349	-0.268	-0.121	0.104	0.419	0.812	1.260	1.734	2.223	2.724	3.242	3.765	4.275	4.741	5.202	5.609
(4.70)	-0.416	-0.404	-0.390	-0.371	-0.315	-0.199	-0.010	0.275	0.655	1.110	1.604	2.107	2.607	3.110	3.612	4.089	4.541	4.990	5.410
(4.75)	-0.421	-0.411	-0.397	-0.381	-0.344	-0.260	-0.109	0.132	0.471	0.898	1.387	1.906	2.427	2.939	3.435	3.893	4.309	4.728	5.134
(4.80)	-0.425	-0.415	-0.401	-0.385	-0.359	-0.299	-0.184	0.010	0.303	0.686	1.146	1.654	2.185	2.716	3.232	3.702	4.091	4.482	4.868
(4.85)	-0.427	-0.416	-0.403	-0.387	-0.365	-0.319	-0.230	-0.076	0.169	0.506	0.931	1.416	1.938	2.473	3.008	3.506	3.918	4.299	4.677
(4.90)	-0.425	-0.415	-0.403	-0.389	-0.370	-0.332	-0.259	-0.134	0.068	0.363	0.749	1.208	1.715	2.244	2.785	3.307	3.756	4.128	4.515
(4.95)	-0.415	-0.405	-0.393	-0.380	-0.364	-0.334	-0.273	-0.170	0.000	0.258	0.607	1.035	1.520	2.041	2.579	3.113	3.601	4.017	4.424
(5.00)	-0.387	-0.376	-0.363	-0.348	-0.332	-0.313	-0.269	-0.186	-0.045	0.182	0.499	0.900	1.362	1.867	2.394	2.928	3.441	3.900	4.323
(5.05)	-0.339	-0.324	-0.308	-0.291	-0.271	-0.255	-0.227	-0.166	-0.055	0.136	0.421	0.796	1.239	1.725	2.236	2.759	3.276	3.758	4.188
(5.10)	-0.277	-0.257	-0.235	-0.211	-0.186	-0.168	-0.147	-0.100	-0.013	0.137	0.377	0.714	1.135	1.606	2.100	2.607	3.112	3.583	3.997
(5.15)	-0.252	-0.225	-0.196	-0.164	-0.131	-0.094	-0.063	-0.016	0.061	0.183	0.378	0.664	1.045	1.493	1.976	2.467	2.950	3.402	3.787
(5.20)	-0.286	-0.255	-0.220	-0.180	-0.136	-0.088	-0.037	0.024	0.110	0.230	0.406	0.651	0.979	1.388	1.848	2.325	2.787	3.214	3.582

$\log_{10} T(K)$	$\log_{10} \rho(\text{g/cm}^3)$																	
	-2.5	-2	-1.5	-1	-0.5	0	0.5	1	1.5	2	3	4	5	6	7	8	9	10
(3.00)	0.590	0.589	0.562	0.341	-0.386	-1.357	-2.353	-3.353	-4.342	-5.304	-7.264	-9.243	-11.215	-13.126	-14.860	-16.366	-17.748	-19.092
(3.05)	0.675	0.678	0.656	0.443	-0.277	-1.257	-2.253	-3.253	-4.242	-5.204	-7.164	-9.143	-11.115	-13.026	-14.760	-16.266	-17.648	-18.992
(3.10)	0.831	0.847	0.834	0.600	-0.157	-1.156	-2.153	-3.153	-4.142	-5.104	-7.064	-9.043	-11.015	-12.926	-14.660	-16.166	-17.548	-18.892
(3.15)	0.992	1.026	1.024	0.760	-0.038	-1.045	-2.053	-3.053	-4.042	-5.004	-6.964	-8.943	-10.915	-12.826	-14.560	-16.066	-17.448	-18.792
(3.20)	-0.272	-0.229	-0.187	-0.163	-0.310	-0.985	-1.957	-2.953	-3.942	-4.904	-6.864	-8.843	-10.815	-12.726	-14.460	-15.966	-17.348	-18.692
(3.25)	-1.748	-1.715	-1.682	-1.650	-1.623	-1.653	-2.028	-2.872	-3.844	-4.804	-6.764	-8.743	-10.715	-12.626	-14.360	-15.866	-17.248	-18.592
(3.30)	-1.647	-1.629	-1.610	-1.593	-1.579	-1.614	-1.955	-2.777	-3.745	-4.704	-6.664	-8.643	-10.615	-12.526	-14.260	-15.766	-17.148	-18.492
(3.35)	-1.456	-1.439	-1.422	-1.406	-1.395	-1.439	-1.818	-2.673	-3.644	-4.604	-6.564	-8.543	-10.515	-12.426	-14.160	-15.666	-17.048	-18.392
(3.40)	-1.099	-1.061	-1.023	-0.986	-0.961	-1.050	-1.612	-2.561	-3.543	-4.504	-6.464	-8.443	-10.415	-12.326	-14.060	-15.566	-16.948	-18.292
(3.45)	-0.530	-0.443	-0.357	-0.275	-0.244	-0.564	-1.431	-2.450	-3.442	-4.404	-6.364	-8.343	-10.315	-12.226	-13.960	-15.466	-16.848	-18.192
(3.50)	0.145	0.301	0.455	0.584	0.457	-0.301	-1.307	-2.338	-3.342	-4.304	-6.264	-8.243	-10.215	-12.126	-13.860	-15.366	-16.748	-18.092
(3.55)	0.370	0.594	0.815	0.983	0.712	-0.178	-1.196	-2.228	-3.242	-4.204	-6.164	-8.143	-10.115	-12.026	-13.760	-15.266	-16.648	-17.992
(3.60)	1.142	1.417	1.674	1.676	0.939	-0.063	-1.087	-2.118	-3.142	-4.104	-6.064	-8.043	-10.015	-11.926	-13.660	-15.166	-16.548	-17.892
(3.65)	1.811	2.121	2.359	2.007	1.064	0.045	-0.978	-2.008	-3.032	-4.004	-5.964	-7.943	-9.915	-11.826	-13.560	-15.066	-16.448	-17.792
(3.70)	2.280	2.608	2.776	2.167	1.174	0.152	-0.870	-1.899	-2.921	-3.904	-5.864	-7.843	-9.815	-11.726	-13.460	-14.966	-16.348	-17.692
(3.75)	2.429	2.756	2.908	2.278	1.281	0.259	-0.764	-1.790	-2.811	-3.804	-5.764	-7.743	-9.715	-11.626	-13.360	-14.866	-16.248	-17.592
(3.80)	2.450	2.749	2.914	2.372	1.388	0.366	-0.657	-1.681	-2.702	-3.697	-5.664	-7.643	-9.615	-11.526	-13.260	-14.766	-16.148	-17.492
(3.85)	2.406	2.664	2.836	2.446	1.493	0.472	-0.550	-1.573	-2.592	-3.587	-5.564	-7.543	-9.515	-11.426	-13.160	-14.666	-16.048	-17.392
(3.90)	2.595	2.811	2.937	2.550	1.599	0.580	-0.444	-1.466	-2.483	-3.477	-5.464	-7.443	-9.415	-11.326	-13.060	-14.566	-15.948	-17.292
(3.95)	2.867	3.046	3.113	2.675	1.708	0.687	-0.337	-1.359	-2.374	-3.368	-5.364	-7.343	-9.315	-11.226	-12.960	-14.466	-15.848	-17.192
(4.00)	3.159	3.303	3.301	2.801	1.817	0.794	-0.230	-1.253	-2.265	-3.258	-5.264	-7.243	-9.215	-11.126	-12.860	-14.366	-15.748	-17.092
(4.05)	3.449	3.558	3.478	2.921	1.926	0.902	-0.123	-1.146	-2.159	-3.149	-5.164	-7.143	-9.115	-11.026	-12.760	-14.266	-15.648	-16.992
(4.10)	3.742	3.812	3.643	3.032	2.035	1.010	-0.015	-1.039	-2.052	-3.041	-5.064	-7.043	-9.015	-10.926	-12.660	-14.166	-15.548	-16.892
(4.15)	4.035	4.061	3.792	3.133	2.146	1.118	0.092	-0.932	-1.945	-2.932	-4.954	-6.943	-8.915	-10.826	-12.560	-14.066	-15.448	-16.792
(4.20)	4.325	4.293	3.919	3.225	2.261	1.226	0.200	-0.825	-1.838	-2.824	-4.844	-6.843	-8.815	-10.726	-12.460	-13.966	-15.348	-16.692
(4.25)	4.601	4.492	4.024	3.310	2.377	1.334	0.307	-0.718	-1.732	-2.718	-4.735	-6.743	-8.715	-10.626	-12.360	-13.866	-15.248	-16.592
(4.30)	4.848	4.650	4.111	3.390	2.493	1.443	0.415	-0.610	-1.625	-2.611	-4.626	-6.643	-8.615	-10.526	-12.260	-13.766	-15.148	-16.492
(4.35)	5.055	4.768	4.185	3.467	2.604	1.551	0.523	-0.503	-1.518	-2.504	-4.516	-6.543	-8.515	-10.426	-12.160	-13.666	-15.048	-16.392
(4.40)	5.211	4.858	4.252	3.540	2.709	1.660	0.632	-0.395	-1.410	-2.397	-4.408	-6.443	-8.415	-10.326	-12.060	-13.566	-14.948	-16.292
(4.45)	5.332	4.931	4.315	3.610	2.806	1.769	0.740	-0.287	-1.303	-2.290	-4.299	-6.340	-8.315	-10.226	-11.960	-13.466	-14.848	-16.192
(4.50)	5.411	4.992	4.374	3.678	2.895	1.882	0.848	-0.179	-1.196	-2.183	-4.190	-6.230	-8.215	-10.126	-11.860	-13.366	-14.748	-16.092
(4.55)	5.457	5.044	4.431	3.745	2.977	1.999	0.957	-0.071	-1.088	-2.075	-4.083	-6.120	-8.115	-10.026	-11.760	-13.266	-14.648	-15.992
(4.60)	5.475	5.090	4.486	3.809	3.056	2.118	1.066	0.037	-0.980	-1.968	-3.976	-6.011	-8.015	-9.926	-11.660	-13.166	-14.548	-15.892
(4.65)	5.654	5.176	4.546	3.872	3.133	2.235	1.174	0.146	-0.872	-1.860	-3.869	-5.902	-7.915	-9.826	-11.560	-13.066	-14.448	-15.792
(4.70)	5.586	5.211	4.599	3.933	3.207	2.347	1.283	0.254	-0.764	-1.752	-3.761	-5.793	-7.815	-9.726	-11.460	-12.966	-14.348	-15.692
(4.75)	5.412	5.216	4.648	3.993	3.278	2.451	1.392	0.363	-0.656	-1.644	-3.654	-5.684	-7.715	-9.626	-11.360	-12.866	-14.248	-15.592
(4.80)	5.191	5.176	4.690	4.051	3.347	2.548	1.502	0.472	-0.548	-1.536	-3.546	-5.575	-7.608	-9.526	-11.260	-12.766	-14.148	-15.492
(4.85)	5.018	5.120	4.726	4.107	3.414	2.636	1.618	0.580	-0.439	-1.428	-3.438	-5.467	-7.499	-9.426	-11.160	-12.666	-14.048	-15.392
(4.90)	4.881	5.066	4.760	4.161	3.479	2.717	1.738	0.689	-0.331	-1.320	-3.330	-5.359	-7.389	-9.326	-11.060	-12.566	-13.948	-15.292
(4.95)	4.815	5.053	4.802	4.216	3.542	2.796	1.860	0.798	-0.222	-1.211	-3.222	-5.252	-7.280	-9.226	-10.960	-12.466	-13.848	-15.192
(5.00)	4.734	5.023	4.837	4.269	3.604	2.871	1.978	0.907	-0.113	-1.103	-3.114	-5.144	-7.170	-9.126	-10.860	-12.366	-13.748	-15.092
(5.05)	4.604	4.934	4.850	4.319	3.665	2.944	2.090	1.016	-0.004	-0.994	-3.005	-5.037	-7.062	-9.026	-10.760	-12.266	-13.648	-14.992
(5.10)	4.398	4.751	4.808	4.360	3.723	3.014	2.195	1.125	0.104	-0.885	-2.897	-4.929	-6.953	-8.926	-10.660	-12.166	-13.548	-14.892
(5.15)	4.159	4.509	4.685	4.380	3.778	3.081	2.290	1.238	0.213	-0.775	-2.788	-4.821	-6.844	-8.816	-10.560	-12.066	-13.448	-14.792
(5.20)	3.919	4.245	4.484	4.357	3.825	3.146	2.376	1.357	0.322	-0.666	-2.679	-4.712	-6.736	-8.706	-10.460	-11.966	-13.348	-14.692

$\log_{10} T(K)$	$\log_{10} \rho(g/cm^3)$																		
	-2.5	-2	-1.5	-1	-0.5	0	0.5	1	1.5	2	3	4	5	6	7	8	9	10	
(5.25)	3.666	3.961	4.217	4.254	3.852	3.208	2.456	1.480	0.431	-0.557	-2.569	-4.604	-6.628	-8.597	-10.360	-11.866	-13.248	-14.592	
(5.30)	3.423	3.688	3.935	4.070	3.841	3.261	2.532	1.604	0.541	-0.447	-2.460	-4.495	-6.520	-8.488	-10.260	-11.766	-13.148	-14.492	
(5.35)	3.214	3.457	3.691	3.867	3.787	3.303	2.604	1.723	0.650	-0.338	-2.350	-4.386	-6.412	-8.379	-10.160	-11.666	-13.048	-14.392	
(5.40)	3.017	3.241	3.466	3.660	3.689	3.328	2.671	1.834	0.759	-0.228	-2.240	-4.277	-6.304	-8.269	-10.060	-11.566	-12.948	-14.292	
(5.45)	2.828	3.051	3.268	3.469	3.567	3.331	2.732	1.936	0.868	-0.119	-2.130	-4.168	-6.195	-8.160	-9.958	-11.466	-12.848	-14.192	
(5.50)	2.650	2.870	3.081	3.283	3.423	3.305	2.784	2.027	0.984	-0.009	-2.020	-4.058	-6.086	-8.051	-9.848	-11.366	-12.748	-14.092	
(5.55)	2.482	2.706	2.911	3.113	3.277	3.253	2.826	2.109	1.106	0.101	-1.909	-3.948	-5.978	-7.943	-9.739	-11.266	-12.648	-13.992	
(5.60)	2.327	2.553	2.760	2.963	3.141	3.186	2.856	2.184	1.230	0.211	-1.798	-3.838	-5.868	-7.834	-9.630	-11.166	-12.548	-13.892	
(5.65)	2.185	2.412	2.620	2.823	3.011	3.150	2.872	2.253	1.353	0.320	-1.688	-3.728	-5.759	-7.724	-9.520	-11.066	-12.448	-13.792	
(5.70)	2.051	2.284	2.492	2.697	2.891	3.019	2.875	2.316	1.469	0.430	-1.577	-3.618	-5.650	-7.615	-9.411	-10.966	-12.348	-13.692	
(5.75)	1.916	2.164	2.376	2.581	2.781	2.934	2.865	2.373	1.577	0.540	-1.465	-3.507	-5.540	-7.505	-9.302	-10.866	-12.248	-13.592	
(5.80)	1.770	2.041	2.263	2.473	2.679	2.851	2.845	2.424	1.675	0.651	-1.354	-3.396	-5.430	-7.395	-9.192	-10.761	-12.148	-13.492	
(5.85)	1.603	1.910	2.149	2.365	2.576	2.763	2.812	2.467	1.762	0.767	-1.243	-3.285	-5.319	-7.285	-9.082	-10.652	-12.048	-13.392	
(5.90)	1.414	1.767	2.033	2.257	2.475	2.673	2.765	2.499	1.841	0.886	-1.131	-3.173	-5.209	-7.175	-8.971	-10.542	-11.948	-13.292	
(5.95)	1.210	1.611	1.914	2.153	2.371	2.575	2.700	2.517	1.912	1.006	-1.019	-3.061	-5.098	-7.064	-8.860	-10.433	-11.848	-13.192	
(6.00)	1.006	1.443	1.788	2.053	2.274	2.477	2.624	2.517	1.975	1.121	-0.908	-2.949	-4.987	-6.953	-8.748	-10.324	-11.748	-13.092	
(6.05)	0.814	1.270	1.655	1.951	2.181	2.378	2.536	2.496	2.030	1.228	-0.796	-2.837	-4.875	-6.842	-8.636	-10.215	-11.648	-12.992	
(6.10)	0.638	1.099	1.515	1.843	2.088	2.280	2.439	2.453	2.072	1.325	-0.684	-2.725	-4.763	-6.730	-8.524	-10.105	-11.548	-12.892	
(6.15)	0.479	0.931	1.369	1.726	1.989	2.172	2.327	2.380	2.094	1.411	-0.572	-2.613	-4.651	-6.618	-8.412	-9.995	-11.439	-12.792	
(6.20)	0.342	0.769	1.216	1.596	1.878	2.066	2.210	2.286	2.093	1.485	-0.460	-2.500	-4.539	-6.506	-8.299	-9.883	-11.330	-12.692	
(6.25)	0.231	0.620	1.059	1.454	1.751	1.949	2.078	2.166	2.057	1.543	-0.349	-2.387	-4.427	-6.394	-8.185	-9.770	-11.221	-12.592	
(6.30)	0.143	0.490	0.905	1.303	1.610	1.819	1.941	2.036	1.994	1.584	-0.237	-2.274	-4.314	-6.281	-8.072	-9.657	-11.112	-12.492	
(6.35)	0.059	0.377	0.762	1.147	1.456	1.673	1.813	1.917	1.924	1.612	-0.125	-2.161	-4.201	-6.168	-7.958	-9.543	-11.003	-12.392	
(6.40)	-0.038	0.262	0.625	0.990	1.294	1.516	1.671	1.784	1.834	1.620	-0.022	-2.048	-4.088	-6.055	-7.844	-9.429	-10.893	-12.292	
(6.45)	-0.148	0.131	0.481	0.832	1.128	1.350	1.517	1.648	1.734	1.609	0.080	-1.935	-3.975	-5.941	-7.729	-9.315	-10.783	-12.189	
(6.50)	-0.249	-0.010	0.321	0.667	0.959	1.182	1.358	1.504	1.620	1.576	0.184	-1.822	-3.861	-5.827	-7.614	-9.201	-10.673	-12.080	
(6.55)	-0.327	-0.141	0.153	0.491	0.786	1.014	1.197	1.358	1.500	1.525	0.290	-1.709	-3.748	-5.713	-7.499	-9.085	-10.560	-11.971	
(6.60)	-0.380	-0.248	-0.007	0.308	0.609	0.845	1.034	1.205	1.371	1.453	0.397	-1.595	-3.634	-5.598	-7.383	-8.970	-10.446	-11.862	
(6.65)	-0.415	-0.328	-0.144	0.132	0.428	0.676	0.872	1.049	1.234	1.363	0.500	-1.482	-3.520	-5.484	-7.267	-8.854	-10.332	-11.753	
(6.70)	-0.438	-0.382	-0.251	-0.025	0.251	0.505	0.710	0.893	1.083	1.251	0.594	-1.370	-3.406	-5.369	-7.151	-8.738	-10.218	-11.644	
(6.75)	-0.453	-0.418	-0.329	-0.155	0.087	0.336	0.550	0.738	0.933	1.130	0.676	-1.267	-3.292	-5.254	-7.034	-8.622	-10.103	-11.534	
(6.80)	-0.462	-0.441	-0.384	-0.257	-0.056	0.176	0.392	0.587	0.786	1.005	0.740	-1.164	-3.177	-5.138	-6.917	-8.505	-9.988	-11.424	
(6.85)	-0.468	-0.454	-0.419	-0.332	-0.175	0.030	0.241	0.441	0.645	0.867	0.780	-1.061	-3.063	-5.023	-6.800	-8.387	-9.872	-11.313	
(6.90)	-0.471	-0.462	-0.440	-0.383	-0.267	-0.095	0.102	0.303	0.511	0.733	0.794	-0.958	-2.949	-4.907	-6.683	-8.270	-9.756	-11.199	
(6.95)	-0.473	-0.467	-0.452	-0.415	-0.333	-0.197	-0.020	0.176	0.386	0.605	0.776	-0.855	-2.834	-4.792	-6.565	-8.152	-9.640	-11.085	
(7.00)	-0.475	-0.469	-0.458	-0.433	-0.376	-0.272	-0.120	0.063	0.269	0.486	0.734	-0.752	-2.720	-4.676	-6.448	-8.034	-9.523	-10.971	
(7.05)	-0.478	-0.472	-0.463	-0.444	-0.402	-0.323	-0.198	-0.034	0.161	0.373	0.677	-0.650	-2.611	-4.560	-6.330	-7.915	-9.406	-10.856	
(7.10)	-0.481	-0.476	-0.468	-0.452	-0.420	-0.357	-0.256	-0.113	0.065	0.265	0.610	-0.550	-2.507	-4.444	-6.212	-7.797	-9.289	-10.741	
(7.15)	-0.483	-0.480	-0.474	-0.461	-0.434	-0.382	-0.299	-0.177	-0.019	0.163	0.531	-0.452	-2.404	-4.328	-6.094	-7.678	-9.171	-10.626	
(7.20)	-0.485	-0.484	-0.479	-0.469	-0.448	-0.405	-0.333	-0.229	-0.092	0.070	0.431	-0.351	-2.300	-4.212	-5.976	-7.559	-9.053	-10.510	
(7.25)	-0.487	-0.487	-0.484	-0.477	-0.462	-0.427	-0.365	-0.274	-0.155	-0.015	0.320	-0.253	-2.196	-4.096	-5.857	-7.439	-8.935	-10.394	
(7.30)	-0.490	-0.489	-0.488	-0.484	-0.474	-0.449	-0.397	-0.317	-0.212	-0.091	0.209	-0.161	-2.092	-3.980	-5.739	-7.320	-8.816	-10.277	
(7.35)	-0.492	-0.492	-0.491	-0.489	-0.483	-0.466	-0.428	-0.360	-0.267	-0.161	0.106	-0.090	-1.988	-3.863	-5.621	-7.200	-8.697	-10.160	
(7.40)	-0.494	-0.494	-0.494	-0.493	-0.489	-0.479	-0.453	-0.400	-0.321	-0.227	0.012	-0.039	-1.884	-3.758	-5.502	-7.081	-8.578	-10.043	
(7.45)	-0.497	-0.497	-0.497	-0.497	-0.494	-0.488	-0.473	-0.435	-0.370	-0.287	-0.074	-0.021	-1.782	-3.654	-5.384	-6.961	-8.459	-9.925	
(7.50)	-0.501	-0.500	-0.501	-0.500	-0.499	-0.495	-0.486	-0.461	-0.412	-0.342	-0.153	-0.028	-1.682	-3.549	-5.265	-6.841	-8.339	-9.807	
(7.55)	-0.504	-0.504	-0.504	-0.504	-0.503	-0.501	-0.496	-0.480	-0.445	-0.388	-0.225	-0.066	-1.582	-3.445	-5.147	-6.721	-8.219	-9.689	
(7.60)	-0.508	-0.509	-0.508	-0.508	-0.507	-0.506	-0.503	-0.494	-0.470	-0.426	-0.287	-0.120	-1.484	-3.340	-5.029	-6.601	-8.099	-9.570	
(7.65)	-0.512	-0.513	-0.513	-0.513	-0.512	-0.511	-0.509	-0.504	-0.488	-0.456	-0.341	-0.182	-1.386	-3.236	-4.910	-6.481	-7.979	-9.452	

Table 2.1. Continued

[illegible]

$\log_{10} T(K)$	$\log_{10} \rho(g/cm^3)$																	
	-2.5	-2	-1.5	-1	-0.5	0	0.5	1	1.5	2	3	4	5	6	7	8	9	10
(7.70)	-0.517	-0.518	-0.518	-0.518	-0.517	-0.517	-0.515	-0.512	-0.502	-0.480	-0.387	-0.246	-1.290	-3.131	-4.795	-6.362	-7.859	-9.332
(7.75)	-0.522	-0.522	-0.524	-0.524	-0.523	-0.523	-0.522	-0.519	-0.513	-0.498	-0.426	-0.308	-1.197	-3.026	-4.690	-6.242	-7.739	-9.213
(7.80)	-0.528	-0.528	-0.530	-0.530	-0.530	-0.529	-0.528	-0.527	-0.523	-0.513	-0.459	-0.365	-1.102	-2.925	-4.585	-6.122	-7.619	-9.093
(7.85)	-0.535	-0.535	-0.537	-0.537	-0.537	-0.536	-0.536	-0.535	-0.533	-0.526	-0.486	-0.415	-1.009	-2.824	-4.480	-6.002	-7.498	-8.974
(7.90)	-0.542	-0.542	-0.542	-0.544	-0.545	-0.545	-0.544	-0.543	-0.543	-0.538	-0.509	-0.460	-0.921	-2.724	-4.375	-5.883	-7.378	-8.853
(7.95)	-0.550	-0.550	-0.550	-0.553	-0.553	-0.553	-0.553	-0.552	-0.552	-0.550	-0.528	-0.496	-0.848	-2.624	-4.270	-5.763	-7.257	-8.733
(8.00)	-0.559	-0.559	-0.559	-0.563	-0.563	-0.563	-0.563	-0.563	-0.562	-0.560	-0.547	-0.528	-0.795	-2.523	-4.164	-5.643	-7.137	-8.613
(8.05)	-0.569	-0.569	-0.569	-0.569	-0.569	-0.569	-0.569	-0.569	-0.569	-0.569	-0.569	-0.579	-0.824	-2.428	-4.059	-5.532	-7.017	-8.493
(8.10)	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.588	-0.786	-2.329	-3.954	-5.427	-6.896	-8.372
(8.15)	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.592	-0.599	-0.760	-2.231	-3.854	-5.321	-6.776	-8.252
(8.20)	-0.605	-0.605	-0.605	-0.605	-0.605	-0.605	-0.605	-0.605	-0.605	-0.605	-0.605	-0.611	-0.743	-2.133	-3.753	-5.216	-6.656	-8.131
(8.25)	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618	-0.618	-0.623	-0.732	-2.036	-3.653	-5.111	-6.536	-8.011
(8.30)	-0.632	-0.632	-0.632	-0.632	-0.632	-0.632	-0.632	-0.632	-0.632	-0.632	-0.632	-0.636	-0.727	-1.940	-3.552	-5.005	-6.416	-7.890
(8.35)	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.648	-0.651	-0.727	-1.846	-3.452	-4.899	-6.296	-7.770
(8.40)	-0.665	-0.665	-0.665	-0.665	-0.665	-0.665	-0.665	-0.665	-0.665	-0.665	-0.665	-0.668	-0.731	-1.748	-3.351	-4.793	-6.189	-7.649
(8.45)	-0.682	-0.682	-0.682	-0.682	-0.682	-0.682	-0.682	-0.682	-0.682	-0.682	-0.682	-0.684	-0.737	-1.639	-3.250	-4.690	-6.084	-7.529
(8.50)	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700	-0.700	-0.702	-0.746	-1.525	-3.150	-4.589	-5.979	-7.409
(8.55)	-0.719	-0.719	-0.719	-0.719	-0.719	-0.719	-0.719	-0.719	-0.719	-0.719	-0.719	-0.721	-0.756	-1.413	-3.050	-4.488	-5.873	-7.289
(8.60)	-0.739	-0.739	-0.739	-0.739	-0.739	-0.739	-0.739	-0.739	-0.739	-0.739	-0.739	-0.740	-0.770	-1.314	-2.949	-4.388	-5.767	-7.168
(8.65)	-0.761	-0.761	-0.761	-0.761	-0.761	-0.761	-0.761	-0.761	-0.761	-0.761	-0.761	-0.762	-0.786	-1.230	-2.849	-4.287	-5.662	-7.048
(8.70)	-0.784	-0.784	-0.784	-0.784	-0.784	-0.784	-0.784	-0.784	-0.784	-0.784	-0.784	-0.785	-0.805	-1.165	-2.750	-4.186	-5.556	-6.931
(8.75)	-0.808	-0.808	-0.808	-0.808	-0.808	-0.808	-0.808	-0.808	-0.808	-0.808	-0.808	-0.809	-0.826	-1.117	-2.650	-4.086	-5.449	-6.826
(8.80)	-0.833	-0.833	-0.833	-0.833	-0.833	-0.833	-0.833	-0.833	-0.833	-0.833	-0.833	-0.834	-0.848	-1.086	-2.551	-3.985	-5.348	-6.721
(8.85)	-0.860	-0.860	-0.860	-0.860	-0.860	-0.860	-0.860	-0.860	-0.860	-0.860	-0.860	-0.860	-0.872	-1.067	-2.453	-3.884	-5.247	-6.616
(8.90)	-0.887	-0.887	-0.887	-0.887	-0.887	-0.887	-0.887	-0.887	-0.887	-0.887	-0.887	-0.887	-0.897	-1.052	-2.354	-3.783	-5.146	-6.510
(8.95)	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.924	-1.052	-2.243	-3.682	-5.046	-6.404
(9.00)	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944	-0.944	-0.951	-1.056	-2.117	-3.582	-4.945	-6.298
(9.05)	-0.960	-0.960	-0.960	-0.960	-0.960	-0.960	-0.960	-0.960	-0.960	-0.960	-0.960	-0.960	-0.966	-1.054	-1.986	-3.481	-4.844	-6.192
(9.10)	-0.969	-0.969	-0.969	-0.969	-0.969	-0.969	-0.969	-0.969	-0.969	-0.969	-0.969	-0.969	-0.974	-1.050	-1.857	-3.380	-4.743	-6.087
(9.15)	-0.974	-0.974	-0.974	-0.974	-0.974	-0.974	-0.974	-0.974	-0.974	-0.974	-0.974	-0.974	-0.979	-1.044	-1.738	-3.279	-4.642	-5.986
(9.20)	-0.978	-0.978	-0.978	-0.978	-0.978	-0.978	-0.978	-0.978	-0.978	-0.978	-0.978	-0.978	-0.982	-1.039	-1.624	-3.179	-4.542	-5.886
(9.25)	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.985	-1.034	-1.535	-3.078	-4.441	-5.785
(9.30)	-0.982	-0.982	-0.982	-0.982	-0.982	-0.982	-0.982	-0.982	-0.982	-0.982	-0.982	-0.982	-0.985	-1.029	-1.461	-2.978	-4.340	-5.684

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