Table 8.1: Standard Solar Model

$M/M_\odot$	$R/R_\odot$	T(K)	ρ (g cm^{-3})	P (dyn cm^{-2})	$L/L_\odot$
0.0000298	0.00650	1.568E+07	1.524E+02	2.336E+17	0.00027
0.0008590	0.02005	1.556E+07	1.483E+02	2.280E+17	0.00753
0.0065163	0.04010	1.516E+07	1.359E+02	2.111E+17	0.05389
0.0207399	0.06061	1.456E+07	1.193E+02	1.868E+17	0.15638
0.0439908	0.08041	1.386E+07	1.027E+02	1.606E+17	0.29634
0.0762478	0.10006	1.310E+07	8.729E+01	1.349E+17	0.45135
0.1173929	0.12000	1.231E+07	7.350E+01	1.108E+17	0.60142
0.1672004	0.14056	1.150E+07	6.123E+01	8.892E+16	0.73152
0.2203236	0.16027	1.076E+07	5.114E+01	7.094E+16	0.82657
0.2800107	0.18104	1.002E+07	4.205E+01	5.517E+16	0.89658
0.3393826	0.20107	9.353E+06	3.459E+01	4.279E+16	0.94011
0.3966733	0.22038	8.762E+06	2.847E+01	3.319E+16	0.96616
0.4559683	0.24084	8.188E+06	2.301E+01	2.516E+16	0.98259
0.5114049	0.26085	7.676E+06	1.857E+01	1.907E+16	0.99183
0.5627338	0.28058	7.214E+06	1.496E+01	1.446E+16	0.99669
0.6099028	0.30016	6.794E+06	1.203E+01	1.096E+16	0.99860
0.6564038	0.32132	6.379E+06	9.484E+00	8.119E+15	0.99941
0.6952616	0.34091	6.028E+06	7.605E+00	6.156E+15	0.99976
0.7304369	0.36063	5.703E+06	6.092E+00	4.667E+15	0.99993
0.7621708	0.38053	5.400E+06	4.876E+00	3.539E+15	1.00002
0.7907148	0.40067	5.117E+06	3.900E+00	2.683E+15	1.00005
0.8163208	0.42109	4.851E+06	3.118E+00	2.034E+15	1.00007
0.8374222	0.44008	4.621E+06	2.539E+00	1.578E+15	1.00007
0.8580756	0.46112	4.383E+06	2.029E+00	1.197E+15	1.00006
0.8750244	0.48072	4.176E+06	1.651E+00	9.287E+14	1.00006
0.8902432	0.50063	3.978E+06	1.345E+00	7.206E+14	1.00005
0.9038831	0.52086	3.789E+06	1.095E+00	5.591E+14	1.00004
0.9160850	0.54139	3.606E+06	8.924E-01	4.339E+14	1.00004
0.9260393	0.56033	3.445E+06	7.413E-01	3.445E+14	1.00003
0.9358483	0.58142	3.273E+06	6.052E-01	2.673E+14	1.00003

Table 8.1: (Continued) Standard Solar Model

$M/M_\odot$	$R/R_\odot$	T(K)	ρ (g cm^{-3})	P (dyn cm^{-2})	$L/L_\odot$
0.9438189	0.60081	3.120E+06	5.040E-01	2.123E+14	1.00002
0.9509668	0.62036	2.969E+06	4.205E-01	1.686E+14	1.00002
0.9573622	0.64001	2.818E+06	3.517E-01	1.339E+14	1.00002
0.9636045	0.66168	2.648E+06	2.900E-01	1.039E+14	1.00001
0.9686223	0.68129	2.485E+06	2.445E-01	8.249E+13	1.00001
0.9730081	0.70042	2.315E+06	2.081E-01	6.572E+13	1.00001
0.9771199	0.72033	2.115E+06	1.780E-01	5.161E+13	1.00001
0.9811002	0.74162	1.899E+06	1.513E-01	3.936E+13	1.00000
0.9842836	0.76050	1.718E+06	1.299E-01	3.055E+13	1.00000
0.9874435	0.78148	1.526E+06	1.085E-01	2.264E+13	1.00000
0.9900343	0.80103	1.355E+06	9.066E-02	1.678E+13	1.00000
0.9922832	0.82051	1.193E+06	7.470E-02	1.215E+13	1.00000
0.9942853	0.84082	1.031E+06	5.987E-02	8.406E+12	1.00000
0.9958822	0.86022	8.826E+05	4.733E-02	5.682E+12	1.00000
0.9972278	0.88035	7.356E+05	3.590E-02	3.585E+12	1.00000
0.9982619	0.90020	5.966E+05	2.613E-02	2.110E+12	1.00000
0.9990296	0.92017	4.627E+05	1.775E-02	1.107E+12	1.00000
0.9995498	0.94015	3.343E+05	1.080E-02	4.833E+11	1.00000

$M_\odot = 1.989 \times 10^{33}$ g $\quad R_\odot = 6.96 \times 10^{10}$ cm $\quad L_\odot = 3.827 \times 10^{33}$ erg s^{-1}