

TABLE A.5 MK Spectral Types (Main Sequence Stars)

Type	M_V	$(B - V)_0$	T_{eff}	BC	M/M_{\odot}^a	R/R_{\odot}^b	$\log(g/g_{\odot})^c$
Main Sequence (luminosity class V)							
O5	-5.7	-0.33	42,000	-4.40	60	12	-1.5
B0	-4.0	-0.30	30,000	-3.16	17.5	7.4	-1.4
B5	-1.2	-0.17	15,200	-1.46	5.9	3.9	-1.00
A0	+0.65	-0.02	9790	-0.30	2.9	2.9	-0.7
A5	+1.95	+0.15	8180	-0.15	2.0	1.7	-0.4
F0	+2.7	+0.30	7300	-0.09	1.6	1.5	-0.3
F5	+3.5	+0.44	6650	-0.14	1.4	1.3	-0.2
G0	+4.4	+0.58	5940	-0.18	1.05	1.1	-0.1
G2	+4.7	+0.63	5790	-0.20	1.00	1.00	0.0
G5	+5.1	+0.68	5560	-0.21	0.92	0.92	-0.1
K0	+5.9	+0.81	5150	-0.31	0.79	0.85	+0.1
K5	+7.35	+1.15	4410	-0.72	0.67	0.72	+0.25
M0	+8.8	+1.40	3840	-1.38	0.51	0.60	+0.35
M5	+12.3	+1.64	3170	-2.73	0.21	0.27	+1.0
M8					0.06	0.10	+1.2

a. $M_{\odot} = 1.989 \times 10^{30}$ kg

b. $R_{\odot} = 6.955 \times 10^5$ km

c. $g_{\odot} = 275 \text{ m s}^{-2}$

