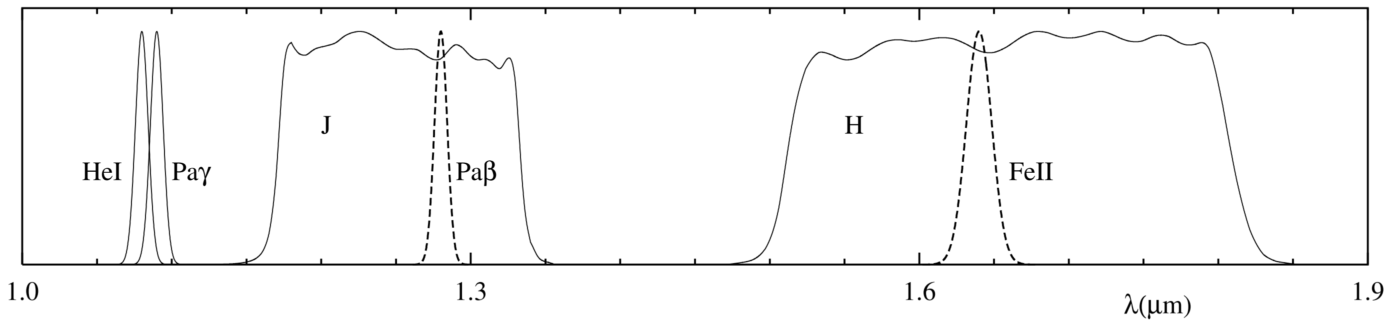

He I assumed profile: gaussian

$\lambda_c = 1.08$
WHM = 0.01
$W_\circ = 0.01$

B3	Vega	Sun	K2	M2	Carbon
1.08	1.08	1.08	1.08	1.08	1.08
[0.01]	[0.01]	[0.01]	[0.01]	[0.01]	[0.01]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.34\,{}^{0.34}_{0.36}$ $a = {}^{0.507}_{0.507}$ $b = {}^{-0.466}_{-0.466}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.34\,{}^{0.33}_{0.35}$ $a = {}^{0.507}_{0.507}$ $b = {}^{-0.466}_{-0.466}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.33\,{}^{0.32}_{0.35}$ $\frac{A(\lambda)}{E(B-V)}$: $(1.029, 0.019)^{r=1.00}_{B3}$ $(1.105, 0.024)^{r=1.00}_{Sun}$ $(1.262, 0.021)^{r=1.00}_{M2}$

$\lambda_{eff} = 1.080 + 0.000 \times E(B-V)$ r=1.00 $W_{eff} = 0.011 - 0.000 \times E(B-V)$ r=−0.97

$\lambda_{eff}(T) = 1.08 + 0.00 \times \Phi + 0.00 \times \Phi^2 - 0.00 \times \Phi^3$ $W_{eff}(T) = 0.01 + 0.00 \times \Phi - 0.00 \times \Phi^2 - 0.00 \times \Phi^3$

Paschen γ assumed profile: gaussian

$\lambda_c = 1.09$
WHM = 0.01
$W_\circ = 0.01$

B3	Vega	Sun	K2	M2	Carbon
1.09	1.09	1.09	1.09	1.09	1.09
[0.01]	[0.01]	[0.01]	[0.01]	[0.01]	[0.01]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.34\,{}^{0.33}_{0.35}$ $a = {}^{0.500}_{0.500}$ $b = {}^{-0.459}_{-0.459}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.33\,{}^{0.33}_{0.35}$ $a = {}^{0.500}_{0.500}$ $b = {}^{-0.459}_{-0.459}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.32\,{}^{0.32}_{0.35}$ $\frac{A(\lambda)}{E(B-V)}$: $(1.013, 0.019)^{r=1.00}_{B3}$ $(1.088, 0.024)^{r=1.00}_{Sun}$ $(1.242, 0.021)^{r=1.00}_{M2}$

$\lambda_{eff} = 1.090 + 0.000 \times E(B-V)$ r=1.00 $W_{eff} = 0.011 - 0.000 \times E(B-V)$ r=−0.98

$\lambda_{eff}(T) = 1.09 + 0.00 \times \Phi + 0.00 \times \Phi^2 - 0.00 \times \Phi^3$ $W_{eff}(T) = 0.01 + 0.00 \times \Phi - 0.00 \times \Phi^2 - 0.00 \times \Phi^3$

J

$\lambda_c = 1.25$ $\lambda_\circ = 1.25$ $\lambda_{peak} = 1.23$ $\lambda_{gauss} = 1.25$
WHM = 0.16   W10% = 0.18   W80% = 0.16   FWHM = 0.14
$W_\circ = 0.15$
$\mu = 0.05$
$I_{asym} = 0.04$
$I_{kurt} = -1.13$

B3	Vega	Sun	K2	M2	Carbon
1.24	1.24	1.25	1.25	1.25	1.26
[0.15]	[0.15]	[0.15]	[0.15]	[0.15]	[0.14]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.26\,{}^{0.26}_{0.27}$ $a = {}^{0.404}_{0.403}$ $b = {}^{-0.371}_{-0.370}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.26\,{}^{0.26}_{0.27}$ $a = {}^{0.402}_{0.401}$ $b = {}^{-0.369}_{-0.368}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.27\,{}^{0.26}_{0.28}$ $\frac{A(\lambda)}{E(B-V)}$: $(0.811, 0.014)^{r=1.00}_{B3}$ $(0.868, 0.018)^{r=1.00}_{Sun}$ $(0.987, 0.015)^{r=1.00}_{M2}$

$\lambda_{eff} = 1.251 + 0.002 \times E(B-V)$ r=1.00 $W_{eff} = 0.152 - 0.001 \times E(B-V)$ r=−0.97

$\lambda_{eff}(T) = 1.24 + 0.04 \times \Phi + 0.01 \times \Phi^2 - 0.01 \times \Phi^3$ $W_{eff}(T) = 0.15 + 0.05 \times \Phi - 0.15 \times \Phi^2 + 0.06 \times \Phi^3$

Paschen β assumed profile: gaussian

$\lambda_c = 1.28$
WHM = 0.01
$W_\circ = 0.01$

B3	Vega	Sun	K2	M2	Carbon
1.28	1.28	1.28	1.28	1.28	1.28
[0.01]	[0.01]	[0.01]	[0.01]	[0.01]	[0.01]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.25\,{}^{0.25}_{0.26}$ $a = {}^{0.386}_{0.386}$ $b = {}^{-0.354}_{-0.354}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.25\,{}^{0.25}_{0.27}$ $a = {}^{0.386}_{0.386}$ $b = {}^{-0.354}_{-0.354}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.26\,{}^{0.25}_{0.28}$ $\frac{A(\lambda)}{E(B-V)}$: $(0.771, 0.014)^{r=1.00}_{B3}$ $(0.828, 0.018)^{r=1.00}_{Sun}$ $(0.946, 0.016)^{r=1.00}_{M2}$

$\lambda_{eff} = 1.280 + 0.000 \times E(B-V)$ r=1.00 $W_{eff} = 0.011 - 0.000 \times E(B-V)$ r=−0.98

$\lambda_{eff}(T) = 1.28 + 0.00 \times \Phi + 0.00 \times \Phi^2 - 0.00 \times \Phi^3$ $W_{eff}(T) = 0.01 + 0.00 \times \Phi - 0.00 \times \Phi^2 - 0.00 \times \Phi^3$

H

$\lambda_c = 1.66$ $\lambda_\circ = 1.66$ $\lambda_{peak} = 1.72$ $\lambda_{gauss} = 1.66$
WHM = 0.30   W10% = 0.33   W80% = 0.28   FWHM = 0.27
$W_\circ = 0.28$
$\mu = 0.09$
$I_{asym} = -0.02$
$I_{kurt} = -1.15$

B3	Vega	Sun	K2	M2	Carbon
1.65	1.65	1.65	1.65	1.66	1.68
[0.28]	[0.28]	[0.28]	[0.28]	[0.28]	[0.27]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.16\,{}^{0.16}_{0.17}$ $a = {}^{0.257}_{0.257}$ $b = {}^{-0.236}_{-0.236}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.17\,{}^{0.17}_{0.17}$ $a = {}^{0.257}_{0.256}$ $b = {}^{-0.236}_{-0.235}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.18\,{}^{0.17}_{0.19}$ $\frac{A(\lambda)}{E(B-V)}$: $(0.524, 0.009)^{r=1.00}_{B3}$ $(0.561, 0.011)^{r=1.00}_{Sun}$ $(0.633, 0.009)^{r=1.00}_{M2}$

$\lambda_{eff} = 1.662 + 0.003 \times E(B-V)$ r=1.00 $W_{eff} = 0.285 - 0.001 \times E(B-V)$ r=−0.97

$\lambda_{eff}(T) = 1.64 + 0.06 \times \Phi + 0.03 \times \Phi^2 - 0.02 \times \Phi^3$ $W_{eff}(T) = 0.27 + 0.13 \times \Phi - 0.29 \times \Phi^2 + 0.11 \times \Phi^3$

Fe II assumed profile: gaussian

$\lambda_c = 1.64$
WHM = 0.02
$W_\circ = 0.02$

B3	Vega	Sun	K2	M2	Carbon
1.64	1.64	1.64	1.64	1.64	1.64
[0.02]	[0.02]	[0.02]	[0.02]	[0.02]	[0.02]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.16\,{}^{0.16}_{0.17}$ $a = {}^{0.259}_{0.259}$ $b = {}^{-0.238}_{-0.238}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.17\,{}^{0.17}_{0.18}$ $a = {}^{0.259}_{0.259}$ $b = {}^{-0.238}_{-0.238}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.18\,{}^{0.18}_{0.19}$ $\frac{A(\lambda)}{E(B-V)}$: $(0.524, 0.010)^{r=1.00}_{B3}$ $(0.563, 0.012)^{r=1.00}_{Sun}$ $(0.642, 0.011)^{r=1.00}_{M2}$

$\lambda_{eff} = 1.640 + 0.000 \times E(B-V)$ r=1.00 $W_{eff} = 0.021 - 0.000 \times E(B-V)$ r=−0.98

$\lambda_{eff}(T) = 1.64 + 0.00 \times \Phi + 0.00 \times \Phi^2 - 0.00 \times \Phi^3$ $W_{eff}(T) = 0.02 + 0.00 \times \Phi - 0.00 \times \Phi^2 - 0.00 \times \Phi^3$

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