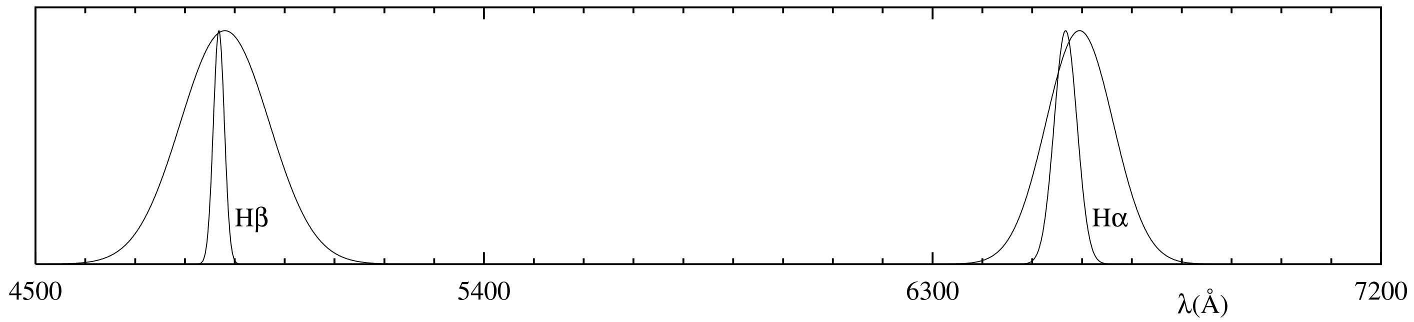
$H\alpha, \beta, \gamma, \delta$ - *Abt and Golson - 1965*



$\mathbf{H}\alpha_{narrow}$ (interference filter) assumed profile: gaussian

	B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 6567$	6567	6567	6567	6567	6567	6568
WHM = 54	[57]	[57]	[57]	[57]	[56]	[56]
$W_\circ = 57$	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	6566	6570	6572	6569	6568	6567

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.84\ ^{0.83}_{0.87}$ $a = ^{0.908}_{0.908}$ $b = ^{-0.283}_{-0.283}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.78\ ^{0.76}_{0.81}$ $a = ^{0.908}_{0.908}$ $b = ^{-0.283}_{-0.283}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.69\ ^{0.68}_{0.74}$ $\frac{A(\lambda)}{E(B-V)}$: $(2.365, 0.044)^{r=1.00}_{B3}$ $(2.541, 0.056)^{r=1.00}_{Sun}$ $(2.902, 0.048)^{r=1.00}_{M2}$

$\lambda_{eff} = 6567.0 + 0.3 \times E(B-V)$ r=1.00 | $W_{eff} = 56.5 - 0.0 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 6566.7 + 0.4 \times \theta + 0.4 \times \theta^2 - 0.2 \times \theta^3$ | $W_{eff}(T) = 56.5 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

$\mathbf{H}\alpha_{wide}$ (interference filter) assumed profile: gaussian

	B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 6595$	6593	6595	6595	6595	6591	6604
WHM = 159	[169]	[170]	[168]	[168]	[163]	[166]
$W_\circ = 169$	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	6589	6595	6575	6573	6571	6596

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.84\ ^{0.83}_{0.86}$ $a = ^{0.906}_{0.906}$ $b = ^{-0.288}_{-0.288}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.77\ ^{0.76}_{0.81}$ $a = ^{0.906}_{0.906}$ $b = ^{-0.288}_{-0.289}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.69\ ^{0.67}_{0.73}$ $\frac{A(\lambda)}{E(B-V)}$: $(2.351, 0.043)^{r=1.00}_{B3}$ $(2.525, 0.055)^{r=1.00}_{Sun}$ $(2.887, 0.047)^{r=1.00}_{M2}$

$\lambda_{eff} = 6595.0 + 2.4 \times E(B-V)$ r=1.00 | $W_{eff} = 168.3 - 0.3 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 6592.2 + 3.4 \times \theta + 3.6 \times \theta^2 - 1.6 \times \theta^3$ | $W_{eff}(T) = 168.0 + 0.6 \times \theta - 0.3 \times \theta^2 - 0.4 \times \theta^3$

$\mathbf{H}\beta_{narrow}$ (interference filter) assumed profile: gaussian

	B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4868$	4869	4870	4868	4868	4869	4867
WHM = 26	[27]	[27]	[27]	[27]	[26]	[26]
$W_\circ = 28$	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	4867	4867	4862	4863	4865	4869

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.12\ ^{1.10}_{1.15}$ $a = ^{1.016}_{1.016}$ $b = ^{0.454}_{0.453}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.19\ ^{1.17}_{1.25}$ $a = ^{1.016}_{1.016}$ $b = ^{0.454}_{0.454}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.28\ ^{1.25}_{1.37}$ $\frac{A(\lambda)}{E(B-V)}$: $(3.620, 0.068)^{r=1.00}_{B3}$ $(3.889, 0.086)^{r=1.00}_{Sun}$ $(4.441, 0.074)^{r=1.00}_{M2}$

$\lambda_{eff} = 4868.0 + 0.1 \times E(B-V)$ r=1.00 | $W_{eff} = 26.7 - 0.0 \times E(B-V)$ r=-0.96

$\lambda_{eff}(T) = 4867.9 + 0.2 \times \theta + 0.2 \times \theta^2 - 0.1 \times \theta^3$ | $W_{eff}(T) = 26.7 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

$\mathbf{H}\beta_{wide}$ (interference filter) assumed profile: gaussian

	B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4880$	4875	4876	4878	4880	4886	4863
WHM = 210	[222]	[223]	[222]	[220]	[221]	[177]
$W_\circ = 224$	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	4859	4851	4970	4878	4968	4877

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.11\ ^{1.10}_{1.15}$ $a = ^{1.016}_{1.016}$ $b = ^{0.447}_{0.440}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.18\ ^{1.17}_{1.25}$ $a = ^{1.016}_{1.016}$ $b = ^{0.444}_{0.437}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.27\ ^{1.24}_{1.37}$ $\frac{A(\lambda)}{E(B-V)}$: $(3.614, 0.064)^{r=1.00}_{B3}$ $(3.880, 0.081)^{r=1.00}_{Sun}$ $(4.421, 0.068)^{r=1.00}_{M2}$

$\lambda_{eff} = 4879.9 + 7.6 \times E(B-V)$ r=1.00 | $W_{eff} = 223.2 - 2.3 \times E(B-V)$ r=-0.96

$\lambda_{eff}(T) = 4873.3 + 12.6 \times \theta + 10.1 \times \theta^2 - 5.1 \times \theta^3$ | $W_{eff}(T) = 221.6 + 4.4 \times \theta - 4.9 \times \theta^2 - 1.4 \times \theta^3$

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