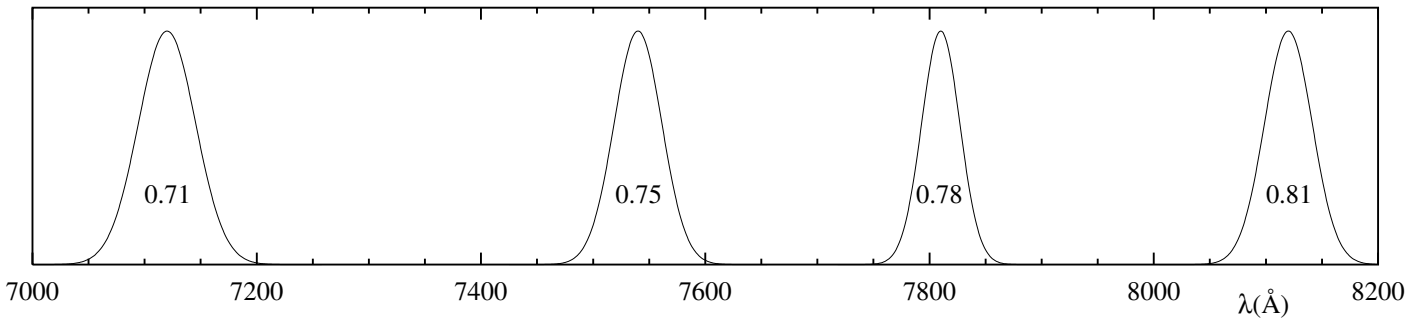
8 colors - White and Wing - 1978



0.71 (interference filter) assumed profile: gaussian

	B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 7120$	7120	7120	7120	7120	7118	7116
WHM = 60	[64]	[64]	[64]	[64]	[66]	[64]

$W_\circ = 64$

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.75\ ^{0.75}_{0.78}$ $a = {}^{0.858}_{0.858}$ $b = {}^{-0.391}_{-0.391}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.69\ ^{0.68}_{0.72}$ $a = {}^{0.858}_{0.858}$ $b = {}^{-0.391}_{-0.391}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.60\ ^{0.59}_{0.64}$ $\frac{A(\lambda)}{E(B-V)}$: $(2.093, 0.039)^{r=1.00}_{B3}$ $(2.248, 0.050)^{r=1.00}_{Sun}$ $(2.569, 0.043)^{r=1.00}_{M2}$

WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
7118	7116	7133	7121	7124	7120

$\lambda_{eff} = 7120.0 + 0.3 \times E(B-V)$ r=1.00 $W_{eff} = 63.9 - 0.0 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 7119.6 + 0.4 \times \theta + 0.4 \times \theta^2 - 0.2 \times \theta^3$ $W_{eff}(T) = 63.9 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

0.75 (interference filter) assumed profile: gaussian

	B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 7540$	7540	7540	7540	7540	7540	7541
WHM = 50	[53]	[53]	[53]	[53]	[53]	[53]

$W_\circ = 53$

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.68\ ^{0.67}_{0.70}$ $a = {}^{0.821}_{0.821}$ $b = {}^{-0.480}_{-0.480}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.63\ ^{0.62}_{0.66}$ $a = {}^{0.821}_{0.821}$ $b = {}^{-0.480}_{-0.480}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.55\ ^{0.54}_{0.59}$ $\frac{A(\lambda)}{E(B-V)}$: $(1.910, 0.036)^{r=1.00}_{B3}$ $(2.052, 0.045)^{r=1.00}_{Sun}$ $(2.344, 0.039)^{r=1.00}_{M2}$

WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
7540	7540	7540	7540	7541	7540

$\lambda_{eff} = 7540.0 + 0.2 \times E(B-V)$ r=1.00 $W_{eff} = 53.2 - 0.0 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 7539.8 + 0.2 \times \theta + 0.3 \times \theta^2 - 0.1 \times \theta^3$ $W_{eff}(T) = 53.2 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

0.78 (interference filter) assumed profile: gaussian

	B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 7810$	7810	7810	7810	7810	7810	7810
WHM = 40	[43]	[43]	[43]	[43]	[42]	[43]

$W_\circ = 43$

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.64\ ^{0.64}_{0.66}$ $a = {}^{0.798}_{0.798}$ $b = {}^{-0.536}_{-0.536}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.59\ ^{0.58}_{0.62}$ $a = {}^{0.798}_{0.798}$ $b = {}^{-0.536}_{-0.536}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.52\ ^{0.51}_{0.56}$ $\frac{A(\lambda)}{E(B-V)}$: $(1.802, 0.034)^{r=1.00}_{B3}$ $(1.936, 0.043)^{r=1.00}_{Sun}$ $(2.211, 0.037)^{r=1.00}_{M2}$

WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
7810	7808	7809	7810	7809	7810

$\lambda_{eff} = 7810.0 + 0.1 \times E(B-V)$ r=1.00 $W_{eff} = 42.6 - 0.0 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 7809.9 + 0.1 \times \theta + 0.2 \times \theta^2 - 0.1 \times \theta^3$ $W_{eff}(T) = 42.6 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

0.81 (interference filter) assumed profile: gaussian

	B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 8120$	8120	8120	8120	8120	8120	8121
WHM = 50	[53]	[53]	[53]	[53]	[53]	[55]

$W_\circ = 53$

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.60\ ^{0.60}_{0.62}$ $a = {}^{0.771}_{0.771}$ $b = {}^{-0.590}_{-0.590}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.55\ ^{0.54}_{0.58}$ $a = {}^{0.771}_{0.771}$ $b = {}^{-0.590}_{-0.590}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.49\ ^{0.48}_{0.52}$ $\frac{A(\lambda)}{E(B-V)}$: $(1.687, 0.032)^{r=1.00}_{B3}$ $(1.812, 0.040)^{r=1.00}_{Sun}$ $(2.070, 0.034)^{r=1.00}_{M2}$

WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
8120	8121	8122	8120	8120	8119

$\lambda_{eff} = 8120.0 + 0.2 \times E(B-V)$ r=1.00 $W_{eff} = 53.2 - 0.0 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 8119.8 + 0.2 \times \theta + 0.2 \times \theta^2 - 0.1 \times \theta^3$ $W_{eff}(T) = 53.2 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

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