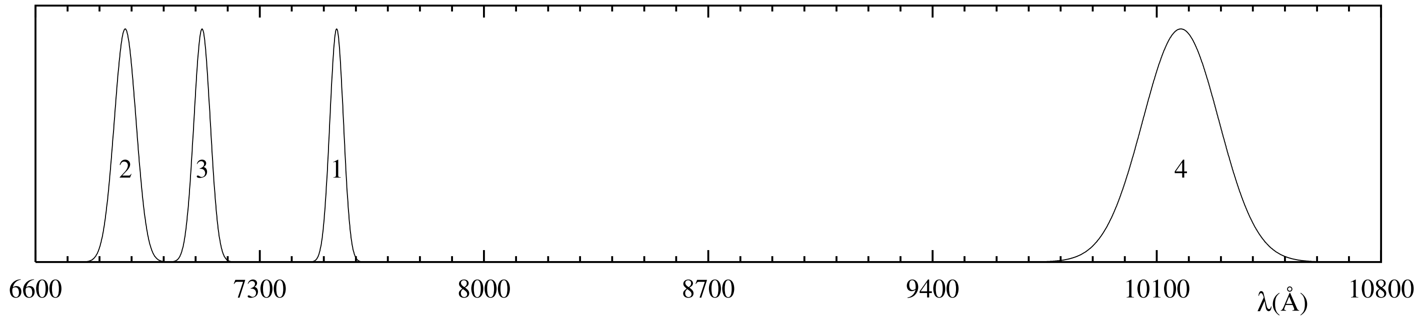
Mould and McElroy - 1978



1 (interference filter) assumed profile: gaussian

$\lambda_c = 7540$

WHM = 50

$W_\circ = 53$

$B3$	$Vega$	Sun	$K2$	$M2$	$Carbon$
7540	7540	7540	7540	7540	7541
[53]	[53]	[53]	[53]	[53]	[53]
WN	WC	PN_{Ne}	PN^{Ne}	$Nova$	WDA
7540	7540	7540	7540	7541	7540

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

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

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

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

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

2 (interference filter) assumed profile: gaussian

$\lambda_c = 6880$

WHM = 80

$W_\circ = 85$

$B3$	$Vega$	Sun	$K2$	$M2$	$Carbon$
6879	6879	6880	6880	6884	6879
[85]	[85]	[85]	[85]	[84]	[80]
WN	WC	PN_{Ne}	PN^{Ne}	$Nova$	WDA
6881	6878	6880	6879	6880	6879

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.79\,^{0.78}_{0.82}$ $\quad a = {}^{0.879}_{0.879}\;\; b = {}^{-0.342}_{-0.342}\;\; B3$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.72\,^{0.71}_{0.76}$ $\quad a = {}^{0.879}_{0.879}\;\; b = {}^{-0.342}_{-0.343}\;\; Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.64\,^{0.62}_{0.68}$ $\quad \frac{A(\lambda)}{E(B-V)}: \;(2.206, 0.041)^{r=1.00}_{B3}\;\; (2.370, 0.052)^{r=1.00}_{Sun}\;\; (2.704, 0.045)^{r=1.00}_{M2}$

$\lambda_{eff} = 6880.0 + 0.5 \times E(B-V)$ r=1.00 $\quad W_{eff} = 85.2 - 0.0 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 6879.3 + 0.8 \times \theta + 0.8 \times \theta^2 - 0.4 \times \theta^3$ $\quad W_{eff}(T) = 85.1 + 0.1 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

3 (interference filter) assumed profile: gaussian

$\lambda_c = 7120$

WHM = 60

$W_\circ = 64$

$B3$	$Vega$	Sun	$K2$	$M2$	$Carbon$
7120	7120	7120	7120	7118	7116
[64]	[64]	[64]	[64]	[66]	[64]
WN	WC	PN_{Ne}	PN^{Ne}	$Nova$	WDA
7118	7116	7133	7121	7124	7120

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

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

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

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

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

4 (interference filter) assumed profile: gaussian

$\lambda_c = 10175$

WHM = 280

$W_\circ = 298$

$B3$	$Vega$	Sun	$K2$	$M2$	$Carbon$
10171	10174	10172	10173	10176	10177
[300]	[302]	[298]	[298]	[298]	[298]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.39\,^{0.38}_{0.40}$ $\quad a = {}^{0.559}_{0.558}\;\; b = {}^{-0.513}_{-0.513}\;\; B3$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.37\,^{0.37}_{0.39}$ $\quad a = {}^{0.558}_{0.558}\;\; b = {}^{-0.513}_{-0.512}\;\; Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.36\,^{0.35}_{0.38}$ $\quad \frac{A(\lambda)}{E(B-V)}: \;(1.143, 0.021)^{r=1.00}_{B3}\;\; (1.228, 0.027)^{r=1.00}_{Sun}\;\; (1.401, 0.023)^{r=1.00}_{M2}$

$\lambda_{eff} = 10175.0 + 2.7 \times E(B-V)$ r=1.00 $\quad W_{eff} = 298.1 - 0.3 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 10169.4 + 3.9 \times \theta + 4.0 \times \theta^2 - 1.5 \times \theta^3$ $\quad W_{eff}(T) = 297.6 + 0.7 \times \theta + 0.1 \times \theta^2 - 0.5 \times \theta^3$