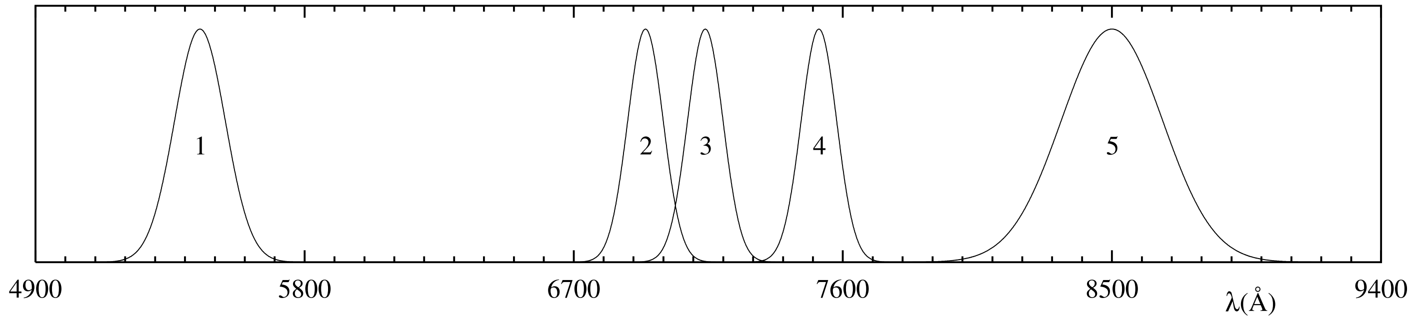
Mould and Wallis - 1977



1 (interference filter) assumed profile: gaussian

$\lambda_c = 5450$

WHM = 200

$W_\circ = 213$

B3	Vega	Sun	K2	M2	Carbon
5445	5446	5450	5452	5450	5410
[212]	[212]	[212]	[212]	[211]	[164]

WN	WC	PN_{Ne}	PN^{Ne}	Nova	WDA
5443	5451	5451	5450	5450	5446

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.01\ ^{1.00}_{1.05}$ $a = {}^{1.003}_{1.002}$ $b = {}^{0.024}_{0.021}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.01\ ^{1.00}_{1.08}$ $a = {}^{1.003}_{1.002}$ $b = {}^{0.022}_{0.019}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.02\ ^{1.00}_{1.11}$ $\frac{A(\lambda)}{E(B-V)}$: $(3.101, 0.056)^{r=1.00}_{B3}$ $(3.327, 0.071)^{r=1.00}_{Sun}$ $(3.800, 0.060)^{r=1.00}_{M2}$

$\lambda_{eff} = 5449.9 + 5.7 \times E(B-V)$ r=1.00 $W_{eff} = 213.3 - 1.5 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 5444.6 + 8.6 \times \theta + 7.9 \times \theta^2 - 3.8 \times \theta^3$ $W_{eff}(T) = 212.2 + 2.5 \times \theta - 2.2 \times \theta^2 - 1.1 \times \theta^3$

2 (interference filter) assumed profile: gaussian

$\lambda_c = 6940$

WHM = 140

$W_\circ = 149$

B3	Vega	Sun	K2	M2	Carbon
6938	6938	6939	6939	6947	6913
[149]	[149]	[149]	[148]	[144]	[116]

WN	WC	PN_{Ne}	PN^{Ne}	Nova	WDA
6942	6947	6947	6942	6946	6940

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.78\ ^{0.77}_{0.81}$ $a = {}^{0.874}_{0.874}$ $b = {}^{-0.354}_{-0.354}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.71\ ^{0.70}_{0.75}$ $a = {}^{0.874}_{0.874}$ $b = {}^{-0.354}_{-0.354}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.63\ ^{0.61}_{0.68}$ $\frac{A(\lambda)}{E(B-V)}$: $(2.178, 0.040)^{r=1.00}_{B3}$ $(2.339, 0.051)^{r=1.00}_{Sun}$ $(2.667, 0.044)^{r=1.00}_{M2}$

$\lambda_{eff} = 6940.0 + 1.7 \times E(B-V)$ r=1.00 $W_{eff} = 149.1 - 0.2 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 6937.9 + 2.3 \times \theta + 2.5 \times \theta^2 - 1.1 \times \theta^3$ $W_{eff}(T) = 148.9 + 0.4 \times \theta - 0.1 \times \theta^2 - 0.2 \times \theta^3$

3 (interference filter) assumed profile: gaussian

$\lambda_c = 7140$

WHM = 140

$W_\circ = 149$

B3	Vega	Sun	K2	M2	Carbon
7138	7138	7139	7139	7136	7143
[149]	[149]	[149]	[149]	[159]	[150]

WN	WC	PN_{Ne}	PN^{Ne}	Nova	WDA
7132	7141	7136	7138	7144	7137

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.75\ ^{0.74}_{0.77}$ $a = {}^{0.856}_{0.856}$ $b = {}^{-0.395}_{-0.395}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.68\ ^{0.67}_{0.72}$ $a = {}^{0.856}_{0.856}$ $b = {}^{-0.395}_{-0.395}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.60\ ^{0.58}_{0.64}$ $\frac{A(\lambda)}{E(B-V)}$: $(2.084, 0.039)^{r=1.00}_{B3}$ $(2.239, 0.049)^{r=1.00}_{Sun}$ $(2.559, 0.042)^{r=1.00}_{M2}$

$\lambda_{eff} = 7140.0 + 1.6 \times E(B-V)$ r=1.00 $W_{eff} = 149.1 - 0.2 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 7138.0 + 2.2 \times \theta + 2.4 \times \theta^2 - 1.0 \times \theta^3$ $W_{eff}(T) = 148.9 + 0.3 \times \theta - 0.1 \times \theta^2 - 0.2 \times \theta^3$

4 (interference filter) assumed profile: gaussian

$\lambda_c = 7520$

WHM = 140

$W_\circ = 149$

B3	Vega	Sun	K2	M2	Carbon
7518	7519	7519	7520	7520	7528
[149]	[149]	[149]	[149]	[146]	[147]

WN	WC	PN_{Ne}	PN^{Ne}	Nova	WDA
7517	7517	7504	7513	7517	7514

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.68\ ^{0.68}_{0.71}$ $a = {}^{0.823}_{0.823}$ $b = {}^{-0.476}_{-0.476}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.63\ ^{0.62}_{0.66}$ $a = {}^{0.823}_{0.823}$ $b = {}^{-0.476}_{-0.476}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.55\ ^{0.54}_{0.59}$ $\frac{A(\lambda)}{E(B-V)}$: $(1.919, 0.036)^{r=1.00}_{B3}$ $(2.061, 0.045)^{r=1.00}_{Sun}$ $(2.354, 0.039)^{r=1.00}_{M2}$

$\lambda_{eff} = 7520.0 + 1.4 \times E(B-V)$ r=1.00 $W_{eff} = 149.1 - 0.1 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 7518.1 + 1.9 \times \theta + 2.1 \times \theta^2 - 0.9 \times \theta^3$ $W_{eff}(T) = 148.9 + 0.3 \times \theta - 0.1 \times \theta^2 - 0.2 \times \theta^3$

5 (interference filter) assumed profile: gaussian

$\lambda_c = 8500$

WHM = 400

$W_\circ = 426$

B3	Vega	Sun	K2	M2	Carbon
8489	8490	8492	8497	8502	8557
[426]	[427]	[427]	[428]	[433]	[368]

WN	WC	PN_{Ne}	PN^{Ne}	Nova	WDA
8487	8477	8495	8491	8496	8488

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.55\ ^{0.55}_{0.56}$ $a = {}^{0.736}_{0.735}$ $b = {}^{-0.632}_{-0.632}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.51\ ^{0.50}_{0.53}$ $a = {}^{0.736}_{0.735}$ $b = {}^{-0.632}_{-0.632}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.46\ ^{0.45}_{0.49}$ $\frac{A(\lambda)}{E(B-V)}$: $(1.563, 0.028)^{r=1.00}_{B3}$ $(1.678, 0.035)^{r=1.00}_{Sun}$ $(1.913, 0.029)^{r=1.00}_{M2}$

$\lambda_{eff} = 8499.9 + 9.0 \times E(B-V)$ r=1.00 $W_{eff} = 426.3 - 2.0 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 8486.4 + 12.0 \times \theta + 13.0 \times \theta^2 - 5.3 \times \theta^3$ $W_{eff}(T) = 423.8 + 3.9 \times \theta - 0.2 \times \theta^2 - 2.6 \times \theta^3$