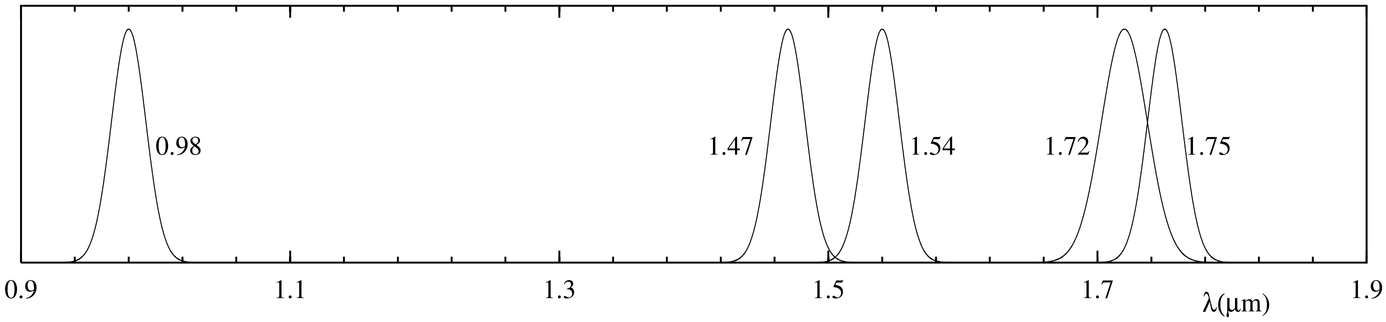
Avetisyan and Melik-Alaverdyan - 1982



0.98 (interference filter) assumed profile: gaussian

$\lambda_c = 0.98$
WHM = 0.03
$W_\circ = 0.03$

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
0.98	0.98	0.98	0.98	0.98	0.98
[0.03]	[0.03]	[0.03]	[0.03]	[0.03]	[0.03]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.42\,^{0.41}_{0.43}$ $\quad a = ^{0.594}_{0.593}$ $\quad b = ^{-0.545}_{-0.545}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.40\,^{0.39}_{0.42}$ $\quad a = ^{0.593}_{0.593}$ $\quad b = ^{-0.545}_{-0.544}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.38\,^{0.37}_{0.40}$ $\quad \frac{A(\lambda)}{E(B-V)}$: $(1.221, 0.023)^{r=1.00}_{B3}$ $\quad (1.311, 0.029)^{r=1.00}_{Sun}$ $\quad (1.497, 0.024)^{r=1.00}_{M2}$

$\lambda_{eff} = 0.980 + 0.000 \times E(B-V)$ r=1.00 $\quad W_{eff} = 0.032 - 0.000 \times E(B-V)$ r=−0.97

$\lambda_{eff}(T) = 0.98 + 0.00 \times \Phi + 0.00 \times \Phi^2 - 0.00 \times \Phi^3$ $\quad W_{eff}(T) = 0.03 + 0.00 \times \Phi - 0.00 \times \Phi^2 + 0.00 \times \Phi^3$

1.47 (interference filter) assumed profile: gaussian

$\lambda_c = 1.47$
WHM = 0.03
$W_\circ = 0.03$

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
1.47	1.47	1.47	1.47	1.47	1.47
[0.03]	[0.03]	[0.03]	[0.03]	[0.03]	[0.03]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.20\,^{0.19}_{0.20}$ $\quad a = ^{0.309}_{0.309}$ $\quad b = ^{-0.284}_{-0.284}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.20\,^{0.20}_{0.21}$ $\quad a = ^{0.309}_{0.309}$ $\quad b = ^{-0.284}_{-0.283}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.21\,^{0.21}_{0.23}$ $\quad \frac{A(\lambda)}{E(B-V)}$: $(0.619, 0.012)^{r=1.00}_{B3}$ $\quad (0.665, 0.015)^{r=1.00}_{Sun}$ $\quad (0.759, 0.013)^{r=1.00}_{M2}$

$\lambda_{eff} = 1.470 + 0.000 \times E(B-V)$ r=1.00 $\quad W_{eff} = 0.032 - 0.000 \times E(B-V)$ r=−0.98

$\lambda_{eff}(T) = 1.47 + 0.00 \times \Phi + 0.00 \times \Phi^2 - 0.00 \times \Phi^3$ $\quad W_{eff}(T) = 0.03 + 0.00 \times \Phi - 0.00 \times \Phi^2 - 0.00 \times \Phi^3$

1.54 (interference filter) assumed profile: gaussian

$\lambda_c = 1.54$
WHM = 0.03
$W_\circ = 0.03$

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
1.54	1.54	1.54	1.54	1.54	1.54
[0.03]	[0.03]	[0.03]	[0.03]	[0.03]	[0.03]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.18\,^{0.18}_{0.19}$ $\quad a = ^{0.287}_{0.287}$ $\quad b = ^{-0.263}_{-0.263}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.19\,^{0.19}_{0.20}$ $\quad a = ^{0.286}_{0.286}$ $\quad b = ^{-0.263}_{-0.263}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.20\,^{0.19}_{0.21}$ $\quad \frac{A(\lambda)}{E(B-V)}$: $(0.576, 0.011)^{r=1.00}_{B3}$ $\quad (0.619, 0.014)^{r=1.00}_{Sun}$ $\quad (0.706, 0.012)^{r=1.00}_{M2}$

$\lambda_{eff} = 1.540 + 0.000 \times E(B-V)$ r=1.00 $\quad W_{eff} = 0.032 - 0.000 \times E(B-V)$ r=−0.98

$\lambda_{eff}(T) = 1.54 + 0.00 \times \Phi + 0.00 \times \Phi^2 - 0.00 \times \Phi^3$ $\quad W_{eff}(T) = 0.03 + 0.00 \times \Phi - 0.00 \times \Phi^2 - 0.00 \times \Phi^3$

1.72 (interference filter) assumed profile: gaussian

$\lambda_c = 1.72$
WHM = 0.04
$W_\circ = 0.04$

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
1.72	1.72	1.72	1.72	1.72	1.72
[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.15\,^{0.15}_{0.16}$ $\quad a = ^{0.240}_{0.240}$ $\quad b = ^{-0.220}_{-0.220}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.16\,^{0.16}_{0.17}$ $\quad a = ^{0.240}_{0.240}$ $\quad b = ^{-0.220}_{-0.220}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.17\,^{0.16}_{0.18}$ $\quad \frac{A(\lambda)}{E(B-V)}$: $(0.488, 0.009)^{r=1.00}_{B3}$ $\quad (0.525, 0.012)^{r=1.00}_{Sun}$ $\quad (0.599, 0.010)^{r=1.00}_{M2}$

$\lambda_{eff} = 1.720 + 0.000 \times E(B-V)$ r=1.00 $\quad W_{eff} = 0.043 - 0.000 \times E(B-V)$ r=−0.98

$\lambda_{eff}(T) = 1.72 + 0.00 \times \Phi + 0.00 \times \Phi^2 - 0.00 \times \Phi^3$ $\quad W_{eff}(T) = 0.04 + 0.00 \times \Phi - 0.00 \times \Phi^2 - 0.00 \times \Phi^3$

1.75 (interference filter) assumed profile: gaussian

$\lambda_c = 1.75$
WHM = 0.03
$W_\circ = 0.03$

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
1.75	1.75	1.75	1.75	1.75	1.75
[0.03]	[0.03]	[0.03]	[0.03]	[0.03]	[0.03]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.15\,^{0.15}_{0.15}$ $\quad a = ^{0.233}_{0.233}$ $\quad b = ^{-0.214}_{-0.214}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.16\,^{0.15}_{0.16}$ $\quad a = ^{0.233}_{0.233}$ $\quad b = ^{-0.214}_{-0.214}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.16\,^{0.16}_{0.17}$ $\quad \frac{A(\lambda)}{E(B-V)}$: $(0.476, 0.009)^{r=1.00}_{B3}$ $\quad (0.511, 0.011)^{r=1.00}_{Sun}$ $\quad (0.584, 0.010)^{r=1.00}_{M2}$

$\lambda_{eff} = 1.750 + 0.000 \times E(B-V)$ r=1.00 $\quad W_{eff} = 0.032 - 0.000 \times E(B-V)$ r=−0.98

$\lambda_{eff}(T) = 1.75 + 0.00 \times \Phi + 0.00 \times \Phi^2 - 0.00 \times \Phi^3$ $\quad W_{eff}(T) = 0.03 + 0.00 \times \Phi - 0.00 \times \Phi^2 - 0.00 \times \Phi^3$

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