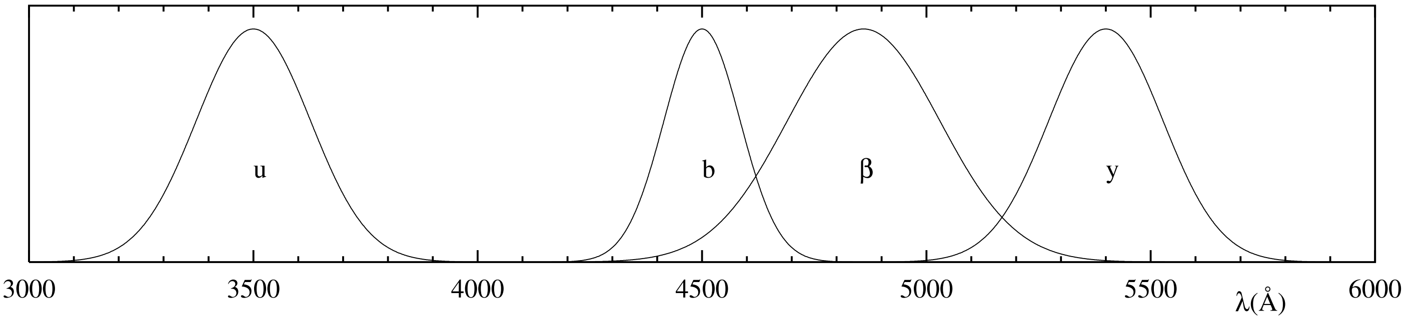
$u_A\ b_A\ \beta_A\ y_A$ - *Wickramasinghe and Strittmatter - 1972*



$\boxed{\mathbf{u}_A}$ (interference filter) assumed profile: gaussian

$\lambda_c = 3500$
WHM = 300
$W_\circ = 319$

	B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
	3489	3502	3509	3541	3555	3505
	[319]	[326]	[322]	[278]	[266]	[317]
	WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	3485	3482	3575	3509	3492	3483

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.36\ ^{1.35}_{1.41}$ $\quad a = {}^{0.930}_{0.934}\quad b = {}^{2.060}_{2.033}\quad B3$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.62\ ^{1.60}_{1.69}$ $\quad a = {}^{0.935}_{0.939}\quad b = {}^{2.028}_{2.004}\quad Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.96\ ^{1.92}_{2.09}$ $\quad \frac{A(\lambda)}{E(B-V)}:\quad (4.954, 0.083)^{r=1.00}_{B3}\quad (5.297, 0.106)^{r=1.00}_{Sun}\quad (5.989, 0.087)^{r=1.00}_{M2}$

$\lambda_{eff} = 3499.9 + 17.4 \times E(B-V)$ r=1.00 $\quad W_{eff} = 321.6 - 8.9 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 3480.0 + 60.1 \times \theta + 26.3 \times \theta^2 - 15.2 \times \theta^3$ $\quad W_{eff}(T) = 313.0 + 46.1 \times \theta - 92.6 \times \theta^2 + 15.1 \times \theta^3$

$\boxed{\mathbf{b}_A}$ (interference filter) assumed profile: gaussian

$\lambda_c = 4500$
WHM = 200
$W_\circ = 213$

	B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
	4496	4498	4505	4511	4516	4495
	[211]	[210]	[210]	[208]	[204]	[167]
	WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	4517	4542	4468	4491	4499	4501

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.19\ ^{1.17}_{1.22}$ $\quad a = {}^{1.004}_{1.004}\quad b = {}^{0.884}_{0.876}\quad B3$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.31\ ^{1.29}_{1.37}$ $\quad a = {}^{1.005}_{1.005}\quad b = {}^{0.873}_{0.865}\quad Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.45\ ^{1.42}_{1.56}$ $\quad \frac{A(\lambda)}{E(B-V)}:\quad (3.988, 0.071)^{r=1.00}_{B3}\quad (4.274, 0.091)^{r=1.00}_{Sun}\quad (4.869, 0.076)^{r=1.00}_{M2}$

$\lambda_{eff} = 4499.9 + 6.9 \times E(B-V)$ r=1.00 $\quad W_{eff} = 213.5 - 1.9 \times E(B-V)$ r=-0.96

$\lambda_{eff}(T) = 4493.3 + 14.0 \times \theta + 10.2 \times \theta^2 - 5.2 \times \theta^3$ $\quad W_{eff}(T) = 211.9 + 5.1 \times \theta - 6.6 \times \theta^2 - 1.3 \times \theta^3$

$\boxed{\beta_A}$ (interference filter) assumed profile: gaussian

$\lambda_c = 4860$
WHM = 400
$W_\circ = 426$

	B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
	4840	4842	4856	4864	4883	4877
	[422]	[422]	[423]	[419]	[423]	[587]
	WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	4801	4768	4976	4865	4966	4840

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.12\ ^{1.11}_{1.15}$ $\quad a = {}^{1.015}_{1.016}\quad b = {}^{0.483}_{0.456}\quad B3$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.19\ ^{1.17}_{1.24}$ $\quad a = {}^{1.015}_{1.016}\quad b = {}^{0.467}_{0.441}\quad Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.28\ ^{1.25}_{1.36}$ $\quad \frac{A(\lambda)}{E(B-V)}:\quad (3.650, 0.055)^{r=1.00}_{B3}\quad (3.905, 0.071)^{r=1.00}_{Sun}\quad (4.428, 0.054)^{r=1.00}_{M2}$

$\lambda_{eff} = 4859.7 + 27.1 \times E(B-V)$ r=1.00 $\quad W_{eff} = 430.0 - 15.2 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 4835.3 + 47.2 \times \theta + 35.7 \times \theta^2 - 18.5 \times \theta^3$ $\quad W_{eff}(T) = 419.0 + 31.9 \times \theta - 39.1 \times \theta^2 - 5.6 \times \theta^3$

$\boxed{\mathbf{y}_A}$ (interference filter) assumed profile: gaussian

$\lambda_c = 5400$
WHM = 300
$W_\circ = 319$

	B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
	5390	5391	5400	5408	5412	5375
	[318]	[318]	[318]	[315]	[307]	[273]
	WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	5396	5407	5299	5398	5372	5390

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.02\ ^{1.01}_{1.06}$ $\quad a = {}^{1.006}_{1.005}\quad b = {}^{0.053}_{0.046}\quad B3$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.03\ ^{1.01}_{1.09}$ $\quad a = {}^{1.005}_{1.005}\quad b = {}^{0.047}_{0.041}\quad Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.04\ ^{1.02}_{1.12}$ $\quad \frac{A(\lambda)}{E(B-V)}:\quad (3.148, 0.054)^{r=1.00}_{B3}\quad (3.372, 0.068)^{r=1.00}_{Sun}\quad (3.840, 0.057)^{r=1.00}_{M2}$

$\lambda_{eff} = 5399.9 + 13.0 \times E(B-V)$ r=1.00 $\quad W_{eff} = 320.7 - 5.0 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 5387.7 + 20.0 \times \theta + 17.8 \times \theta^2 - 8.7 \times \theta^3$ $\quad W_{eff}(T) = 317.1 + 8.8 \times \theta - 8.2 \times \theta^2 - 3.4 \times \theta^3$