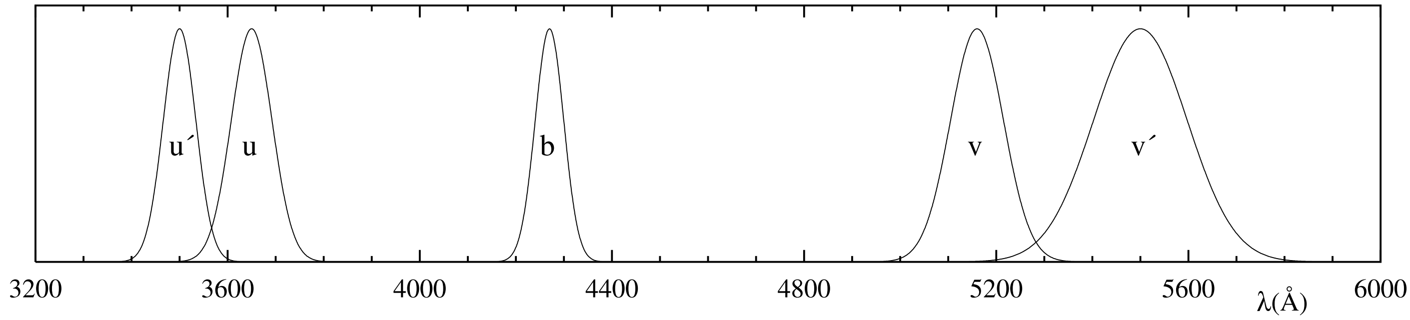
$u'ubvv'$ - *Smith - 1968*



u′ (interference filter) assumed profile: gaussian

$\lambda_c = 3500$
WHM = 80
$W_\circ = 85$

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
3499	3500	3501	3503	3505	3490
[85]	[85]	[84]	[82]	[81]	[70]

WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
3495	3495	3499	3500	3495	3499

$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.36\ {}^{1.35}_{1.41}$	$a = {}^{0.932}_{0.933}$ $b = {}^{2.044}_{2.042}$	*B3*
$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.62\ {}^{1.59}_{1.70}$	$a = {}^{0.933}_{0.933}$ $b = {}^{2.041}_{2.040}$	*Sun*
$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.96\ {}^{1.91}_{2.10}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.937, 0.092)^{r=1.00}_{B3}$	$(5.301, 0.116)^{r=1.00}_{Sun}$ $(6.049, 0.099)^{r=1.00}_{M2}$

$\lambda_{eff} = 3500.0 + 1.2 \times E(B-V)$ r=1.00 | $W_{eff} = 85.2 - 0.2 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 3498.6 + 4.2 \times \theta + 2.1 \times \theta^2 - 1.1 \times \theta^3$ | $W_{eff}(T) = 85.0 + 0.8 \times \theta - 1.4 \times \theta^2 - 0.1 \times \theta^3$

u (interference filter) assumed profile: gaussian

$\lambda_c = 3650$
WHM = 100
$W_\circ = 106$

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
3648	3650	3653	3657	3658	3658
[107]	[107]	[103]	[95]	[92]	[82]

WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
3650	3656	3691	3658	3651	3649

$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.34\ {}^{1.32}_{1.38}$	$a = {}^{0.960}_{0.960}$ $b = {}^{1.851}_{1.849}$	*B3*
$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.57\ {}^{1.54}_{1.64}$	$a = {}^{0.961}_{0.961}$ $b = {}^{1.846}_{1.844}$	*Sun*
$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.87\ {}^{1.82}_{1.99}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.779, 0.089)^{r=1.00}_{B3}$	$(5.129, 0.112)^{r=1.00}_{Sun}$ $(5.851, 0.096)^{r=1.00}_{M2}$

$\lambda_{eff} = 3650.0 + 1.8 \times E(B-V)$ r=1.00 | $W_{eff} = 106.5 - 0.3 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 3647.9 + 5.9 \times \theta + 3.2 \times \theta^2 - 1.6 \times \theta^3$ | $W_{eff}(T) = 106.2 + 1.3 \times \theta - 2.3 \times \theta^2 - 0.2 \times \theta^3$

b (interference filter) assumed profile: gaussian

$\lambda_c = 4270$
WHM = 70
$W_\circ = 75$

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
4269	4268	4268	4270	4274	4272
[74]	[73]	[75]	[75]	[76]	[69]

WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
4270	4270	4288	4273	4273	4267

$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.23\ {}^{1.22}_{1.27}$	$a = {}^{0.994}_{0.994}$ $b = {}^{1.175}_{1.174}$	*B3*
$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.38\ {}^{1.36}_{1.44}$	$a = {}^{0.993}_{0.994}$ $b = {}^{1.176}_{1.175}$	*Sun*
$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.57\ {}^{1.53}_{1.67}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.201, 0.078)^{r=1.00}_{B3}$	$(4.514, 0.099)^{r=1.00}_{Sun}$ $(5.148, 0.085)^{r=1.00}_{M2}$

$\lambda_{eff} = 4270.0 + 0.8 \times E(B-V)$ r=1.00 | $W_{eff} = 74.5 - 0.1 \times E(B-V)$ r=-0.95

$\lambda_{eff}(T) = 4269.1 + 1.9 \times \theta + 1.3 \times \theta^2 - 0.7 \times \theta^3$ | $W_{eff}(T) = 74.5 + 0.3 \times \theta - 0.4 \times \theta^2 - 0.1 \times \theta^3$

v (interference filter) assumed profile: gaussian

$\lambda_c = 5160$
WHM = 130
$W_\circ = 138$

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
5158	5158	5159	5161	5161	5211
[138]	[138]	[138]	[140]	[141]	[60]

WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
5159	5158	5078	5159	5115	5158

$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.06\ {}^{1.05}_{1.09}$	$a = {}^{1.014}_{1.014}$ $b = {}^{0.201}_{0.199}$	*B3*
$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.10\ {}^{1.08}_{1.13}$	$a = {}^{1.014}_{1.014}$ $b = {}^{0.200}_{0.198}$	*Sun*
$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.14\ {}^{1.12}_{1.20}$	$\frac{A(\lambda)}{E(B-V)}$: $(3.347, 0.062)^{r=1.00}_{B3}$	$(3.595, 0.078)^{r=1.00}_{Sun}$ $(4.103, 0.066)^{r=1.00}_{M2}$

$\lambda_{eff} = 5160.0 + 2.7 \times E(B-V)$ r=1.00 | $W_{eff} = 138.5 - 0.5 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 5157.6 + 4.2 \times \theta + 3.6 \times \theta^2 - 1.8 \times \theta^3$ | $W_{eff}(T) = 138.2 + 0.8 \times \theta - 0.8 \times \theta^2 - 0.3 \times \theta^3$

v′ (interference filter) assumed profile: gaussian

$\lambda_c = 5500$
WHM = 230
$W_\circ = 245$

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
5494	5495	5499	5503	5502	5481
[244]	[244]	[245]	[245]	[243]	[272]

WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
5490	5512	5503	5500	5510	5494

$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.00\ {}^{0.99}_{1.04}$	$a = {}^{1.000}_{1.000}$ $b = {}^{0.000}_{-0.003}$	*B3*
$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.00\ {}^{0.99}_{1.06}$	$a = {}^{1.000}_{0.999}$ $b = {}^{-0.002}_{-0.006}$	*Sun*
$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.00\ {}^{0.98}_{1.08}$	$\frac{A(\lambda)}{E(B-V)}$: $(3.062, 0.054)^{r=1.00}_{B3}$	$(3.285, 0.069)^{r=1.00}_{Sun}$ $(3.750, 0.058)^{r=1.00}_{M2}$

$\lambda_{eff} = 5499.9 + 7.4 \times E(B-V)$ r=1.00 | $W_{eff} = 245.4 - 2.1 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 5492.9 + 11.2 \times \theta + 10.2 \times \theta^2 - 4.9 \times \theta^3$ | $W_{eff}(T) = 243.9 + 3.7 \times \theta - 3.2 \times \theta^2 - 1.6 \times \theta^3$