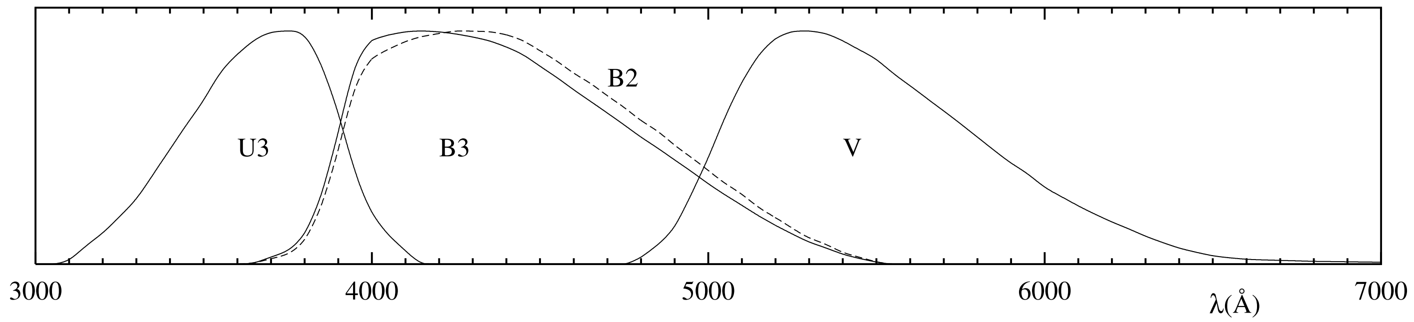
UBV - Johnson and Morgan - 1953 (Buser 1978 version)



U3

$\lambda_c = 3666$	$\lambda_\circ = 3652$	$\lambda_{peak} = 3754$	$\lambda_{gauss} = 3673$
WHM = 525	W10% = 898	W80% = 323	FWHM = 510

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
3646	3708	3669	3710	3762	3746
[551]	[512]	[550]	[542]	[470]	[512]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
3617	3629	3717	3650	3647	3617

$W_\circ = 543$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.34\ {}^{1.32}_{1.36}$	$a = {}^{0.960}_{0.965}$ $b = {}^{1.853}_{1.809}$ *B3*	
$\mu = 202$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.56\ {}^{1.52}_{1.60}$	$a = {}^{0.963}_{0.966}$ $b = {}^{1.829}_{1.791}$ *Sun*	
$I_{asym} = -0.27$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.87\ {}^{1.80}_{1.94}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.792, 0.067)^{r=0.99}_{B3}$	$(5.120, 0.089)^{r=1.00}_{Sun}$ $(5.730, 0.071)^{r=1.00}_{M2}$
$I_{kurt} = -0.47$	$\lambda_{eff} = 3652.5 + 38.6 \times E(B-V)$ r=1.00		$W_{eff} = 550.1 - 29.8 \times E(B-V)$ r=−0.98
	$\lambda_{eff}(T) = 3602 + 152 \times \theta + 44 \times \theta^2 - 41 \times \theta^3$		$W_{eff}(T) = 516 + 194 \times \theta - 403 \times \theta^2 + 128 \times \theta^3$

B3

$\lambda_c = 4368$	$\lambda_\circ = 4417$	$\lambda_{peak} = 4150$	$\lambda_{gauss} = 4348$
WHM = 958	W10% = 1509	W80% = 610	FWHM = 915

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
4336	4363	4461	4563	4666	4815
[930]	[930]	[916]	[790]	[633]	[255]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
4377	4430	4719	4406	4707	4365

$W_\circ = 974$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.19\ {}^{1.16}_{1.19}$	$a = {}^{0.997}_{1.002}$ $b = {}^{1.090}_{0.951}$ *B3*	
$\mu = 362$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.31\ {}^{1.25}_{1.32}$	$a = {}^{1.003}_{1.008}$ $b = {}^{0.929}_{0.785}$ *Sun*	
$I_{asym} = 0.47$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.47\ {}^{1.38}_{1.47}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.132, 0.022)^{r=0.99}_{B3}$	$(4.312, 0.027)^{r=1.00}_{Sun}$ $(4.685, 0.002)^{r=0.34}_{M2}$
$I_{kurt} = -0.50$	$\lambda_{eff} = 4411.7 + 134.1 \times E(B-V)$ r=1.00		$W_{eff} = 1010.2 - 135.1 \times E(B-V)$ r=−0.97
	$\lambda_{eff}(T) = 4304 + 210 \times \theta + 264 \times \theta^2 - 128 \times \theta^3$		$W_{eff}(T) = 881 + 551 \times \theta - 946 \times \theta^2 + 233 \times \theta^3$

B2

$\lambda_c = 4406$	$\lambda_\circ = 4448$	$\lambda_{peak} = 4268$	$\lambda_{gauss} = 4391$
WHM = 1008	W10% = 1526	W80% = 657	FWHM = 949

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
4365	4392	4489	4588	4687	4830
[962]	[975]	[957]	[838]	[697]	[332]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
4407	4457	4760	4439	4738	4394

$W_\circ = 1010$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.18\ {}^{1.15}_{1.19}$	$a = {}^{0.998}_{1.003}$ $b = {}^{1.052}_{0.911}$ *B3*	
$\mu = 364$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.30\ {}^{1.25}_{1.31}$	$a = {}^{1.004}_{1.009}$ $b = {}^{0.892}_{0.751}$ *Sun*	
$I_{asym} = 0.40$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.45\ {}^{1.37}_{1.46}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.104, 0.021)^{r=0.99}_{B3}$	$(4.283, 0.027)^{r=1.00}_{Sun}$ $(4.661, 0.003)^{r=0.56}_{M2}$
$I_{kurt} = -0.57$	$\lambda_{eff} = 4444.1 + 132.4 \times E(B-V)$ r=1.00		$W_{eff} = 1046.6 - 141.3 \times E(B-V)$ r=−0.98
	$\lambda_{eff}(T) = 4334 + 217 \times \theta + 254 \times \theta^2 - 129 \times \theta^3$		$W_{eff}(T) = 911 + 582 \times \theta - 990 \times \theta^2 + 249 \times \theta^3$

V

$\lambda_c = 5426$	$\lambda_\circ = 5505$	$\lambda_{peak} = 5285$	$\lambda_{gauss} = 5419$
WHM = 827	W10% = 1474	W80% = 458	FWHM = 818

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
5429	5439	5492	5538	5595	5676
[842]	[847]	[865]	[851]	[808]	[705]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
5465	5548	5137	5520	5247	5435

$W_\circ = 870$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.00\ {}^{1.00}_{1.00}$	$a = {}^{1.004}_{0.999}$ $b = {}^{0.032}_{-0.010}$ *B3*	
$\mu = 367$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.00\ {}^{1.00}_{1.00}$	$a = {}^{1.000}_{0.994}$ $b = {}^{0.001}_{-0.041}$ *Sun*	
$I_{asym} = 0.80$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.00\ {}^{1.00}_{1.00}$	$\frac{A(\lambda)}{E(B-V)}$: $(3.132, 0.022)^{r=0.99}_{B3}$	$(3.312, 0.027)^{r=1.00}_{Sun}$ $(3.685, 0.002)^{r=0.34}_{M2}$
$I_{kurt} = 0.77$	$\lambda_{eff} = 5499.6 + 112.8 \times E(B-V)$ r=1.00		$W_{eff} = 893.5 - 93.1 \times E(B-V)$ r=−0.98
	$\lambda_{eff}(T) = 5415 + 122 \times \theta + 154 \times \theta^2 - 52 \times \theta^3$		$W_{eff}(T) = 828 + 165 \times \theta - 154 \times \theta^2 - 62 \times \theta^3$