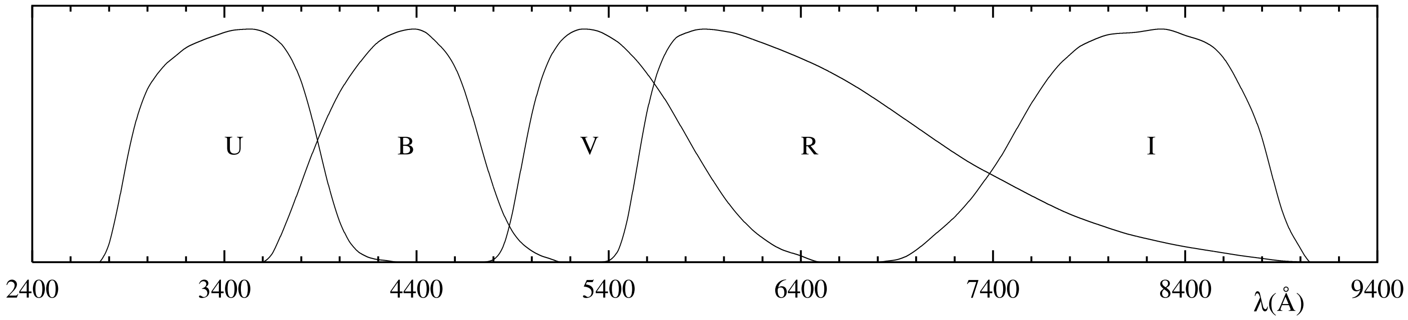
UBVRI - Landolt - 1983



U

$\lambda_c = 3400$	$\lambda_\circ = 3416$	$\lambda_{peak} = 3533$	$\lambda_{gauss} = 3409$
WHM = 982	W10% = 1235	W80% = 744	FWHM = 882

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
3368	3462	3479	3618	3693	3616
[929]	[928]	[898]	[699]	[575]	[739]

$W_\circ = 939$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.38\,^{1.35}_{1.38}$	$a = ^{0.885}_{0.926}$ $b = ^{2.310}_{2.083}$ *B3*
$\mu = 301$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.64\,^{1.59}_{1.65}$	$a = ^{0.927}_{0.947}$ $b = ^{2.078}_{1.949}$ *Sun*
$I_{asym} = 0.02$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 2.01\,^{1.91}_{2.01}$	$\frac{A(\lambda)}{E(B-V)}$: $(5.135, 0.026)^{r=0.96}_{B3}$ $(5.362, 0.057)^{r=1.00}_{Sun}$ $(5.822, 0.055)^{r=1.00}_{M2}$
$I_{kurt} = -0.90$	$\lambda_{eff} = 3419.2 + 96.5 \times E(B-V)$ $r=1.00$	$W_{eff} = 966.5 - 130.8 \times E(B-V)$ $r=-0.99$
	$\lambda_{eff}(T) = 3301 + 366 \times \theta + 152 \times \theta^2 - 149 \times \theta^3$	$W_{eff}(T) = 808 + 1043 \times \theta - 2428 \times \theta^2 + 1137 \times \theta^3$

B

$\lambda_c = 4304$	$\lambda_\circ = 4313$	$\lambda_{peak} = 4387$	$\lambda_{gauss} = 4315$
WHM = 861	W10% = 1242	W80% = 565	FWHM = 792

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
4265	4295	4360	4439	4502	4622
[809]	[807]	[799]	[705]	[595]	[373]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
4312	4377	4288	4286	4416	4287

$W_\circ = 843$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.21\,^{1.20}_{1.21}$	$a = ^{0.993}_{0.997}$ $b = ^{1.179}_{1.091}$ *B3*
$\mu = 289$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.35\,^{1.32}_{1.34}$	$a = ^{0.998}_{1.001}$ $b = ^{1.058}_{0.973}$ *Sun*
$I_{asym} = -0.00$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.53\,^{1.48}_{1.51}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.197, 0.044)^{r=0.99}_{B3}$ $(4.414, 0.059)^{r=1.00}_{Sun}$ $(4.879, 0.045)^{r=1.00}_{M2}$
$I_{kurt} = -0.70$	$\lambda_{eff} = 4312.8 + 75.1 \times E(B-V)$ $r=1.00$	$W_{eff} = 862.8 - 75.6 \times E(B-V)$ $r=-0.97$
	$\lambda_{eff}(T) = 4231 + 186 \times \theta + 125 \times \theta^2 - 81 \times \theta^3$	$W_{eff}(T) = 781 + 370 \times \theta - 637 \times \theta^2 + 162 \times \theta^3$

V

$\lambda_c = 5400$	$\lambda_\circ = 5446$	$\lambda_{peak} = 5272$	$\lambda_{gauss} = 5393$
WHM = 866	W10% = 1343	W80% = 551	FWHM = 817

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
5386	5395	5439	5478	5524	5600
[844]	[849]	[867]	[859]	[811]	[694]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
5415	5510	5049	5413	5148	5393

$W_\circ = 870$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.01\,^{1.01}_{1.02}$	$a = ^{1.006}_{1.002}$ $b = ^{0.055}_{0.017}$ *B3*
$\mu = 320$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.01\,^{1.01}_{1.02}$	$a = ^{1.003}_{0.999}$ $b = ^{0.027}_{-0.009}$ *Sun*
$I_{asym} = 0.45$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.02\,^{1.02}_{1.03}$	$\frac{A(\lambda)}{E(B-V)}$: $(3.164, 0.028)^{r=0.99}_{B3}$ $(3.353, 0.037)^{r=1.00}_{Sun}$ $(3.746, 0.018)^{r=0.98}_{M2}$
$I_{kurt} = -0.39$	$\lambda_{eff} = 5444.7 + 82.4 \times E(B-V)$ $r=1.00$	$W_{eff} = 888.6 - 75.5 \times E(B-V)$ $r=-0.98$
	$\lambda_{eff}(T) = 5374 + 105 \times \theta + 123 \times \theta^2 - 53 \times \theta^3$	$W_{eff}(T) = 831 + 157 \times \theta - 154 \times \theta^2 - 41 \times \theta^3$

R

$\lambda_c = 6354$	$\lambda_\circ = 6541$	$\lambda_{peak} = 5900$	$\lambda_{gauss} = 6313$
WHM = 1576	W10% = 2734	W80% = 940	FWHM = 1540

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
6321	6343	6445	6527	6750	6646
[1515]	[1541]	[1609]	[1622]	[1529]	[1612]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
6413	6308	6567	6539	6575	6324

$W_\circ = 1639$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 0.81\,^{0.79}_{0.85}$	$a = ^{0.932}_{0.913}$ $b = ^{-0.237}_{-0.275}$ *B3*
$\mu = 689$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 0.77\,^{0.76}_{0.80}$	$a = ^{0.920}_{0.899}$ $b = ^{-0.260}_{-0.301}$ *Sun*
$I_{asym} = 0.72$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 0.71\,^{0.70}_{0.74}$	$\frac{A(\lambda)}{E(B-V)}$: $(2.536, -0.011)^{r=-1.00}_{B3}$ $(2.652, -0.014)^{r=-1.00}_{Sun}$ $(2.835, -0.054)^{r=-1.00}_{M2}$
$I_{kurt} = -0.03$	$\lambda_{eff} = 6532.2 + 263.7 \times E(B-V)$ $r=1.00$	$W_{eff} = 1694.5 - 252.5 \times E(B-V)$ $r=-0.98$
	$\lambda_{eff}(T) = 6293 + 241 \times \theta + 410 \times \theta^2 - 140 \times \theta^3$	$W_{eff}(T) = 1464 + 521 \times \theta - 292 \times \theta^2 - 276 \times \theta^3$

I

$\lambda_c = 8143$	$\lambda_\circ = 8103$	$\lambda_{peak} = 8274$	$\lambda_{gauss} = 8145$
WHM = 1337	W10% = 1899	W80% = 959	FWHM = 1242

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
8014	8026	8054	8080	8130	8124
[1282]	[1295]	[1309]	[1317]	[1303]	[1276]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
8047	8060	7943	8050	8065	8028

$W_\circ = 1322$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 0.60\,^{0.60}_{0.61}$	$a = ^{0.780}_{0.774}$ $b = ^{-0.573}_{-0.584}$ *B3*
$\mu = 442$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 0.55\,^{0.56}_{0.58}$	$a = ^{0.777}_{0.771}$ $b = ^{-0.580}_{-0.590}$ *Sun*
$I_{asym} = -0.21$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 0.50\,^{0.49}_{0.53}$	$\frac{A(\lambda)}{E(B-V)}$: $(1.735, 0.019)^{r=0.99}_{B3}$ $(1.848, 0.026)^{r=1.00}_{Sun}$ $(2.076, 0.018)^{r=0.99}_{M2}$
$I_{kurt} = -0.72$	$\lambda_{eff} = 8103.1 + 65.3 \times E(B-V)$ $r=1.00$	$W_{eff} = 1334.3 - 48.1 \times E(B-V)$ $r=-0.97$
	$\lambda_{eff}(T) = 8003 + 97 \times \theta + 102 \times \theta^2 - 48 \times \theta^3$	$W_{eff}(T) = 1268 + 114 \times \theta - 7 \times \theta^2 - 74 \times \theta^3$