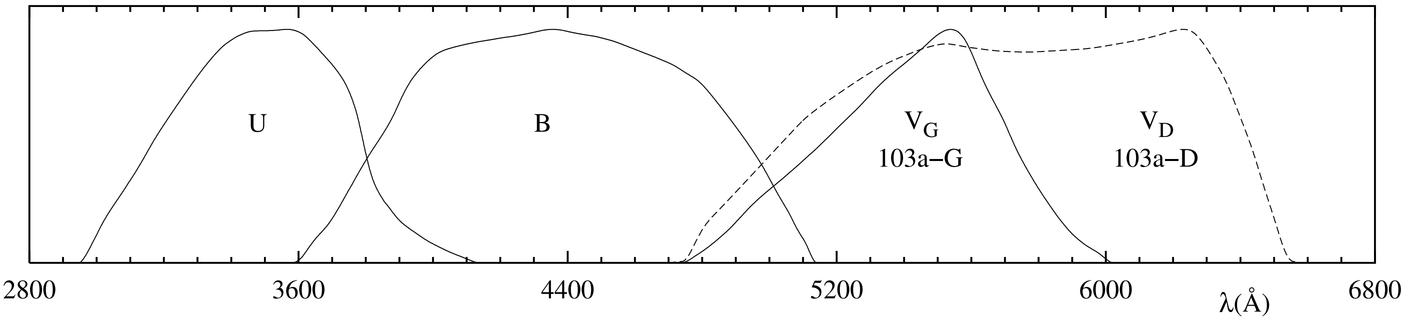
UBV - Johnson and Morgan - 1953 (photographic version)



U

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 3478$	$\lambda_\circ = 3485$	$\lambda_{peak} = 3566$	$\lambda_{gauss} = 3487$	3459	3513	3514	3592	3643	3573
WHM = 635	W10% = 985	W80% = 426	FWHM = 602	[645]	[656]	[621]	[550]	[455]	[676]
$W_\circ = 641$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.36\ ^{1.35}_{1.39}$	$a = {}^{0.921}_{0.937}\quad b = {}^{2.112}_{2.018}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 223$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.62\ ^{1.59}_{1.67}$	$a = {}^{0.936}_{0.947}\quad b = {}^{2.021}_{1.952}$	*Sun*	3448	3462	3615	3498	3480	3433
$I_{asym} = 0.01$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.97\ ^{1.91}_{2.04}$	$\frac{A(\lambda)}{E(B-V)}$:	$(5.002, 0.059)^{r=0.99}_{B3}$	$(5.304, 0.083)^{r=1.00}_{Sun}$	$(5.882, 0.066)^{r=1.00}_{M2}$				
$I_{kurt} = -0.58$	$\lambda_{eff} = 3485.7 + 52.8 \times E(B-V)$ $r{=}1.00$			$W_{eff} = 652.3 - 51.7 \times E(B-V)$ $r{=}-0.98$					
	$\lambda_{eff}(T) = 3423 + 190 \times \theta + 80 \times \theta^2 - 61 \times \theta^3$			$W_{eff}(T) = 594 + 354 \times \theta - 778 \times \theta^2 + 290 \times \theta^3$					

B

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4384$	$\lambda_\circ = 4375$	$\lambda_{peak} = 4358$	$\lambda_{gauss} = 4370$	4305	4342	4430	4528	4604	4729
WHM = 1113	W10% = 1453	W80% = 823	FWHM = 999	[1006]	[1013]	[1019]	[875]	[707]	[405]
$W_\circ = 1063$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.20\ ^{1.18}_{1.20}$	$a = {}^{0.995}_{1.000}\quad b = {}^{1.129}_{1.002}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 345$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.33\ ^{1.29}_{1.33}$	$a = {}^{1.001}_{1.005}\quad b = {}^{0.968}_{0.850}$	*Sun*	4351	4406	4632	4363	4683	4327
$I_{asym} = 0.03$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.49\ ^{1.43}_{1.48}$	$\frac{A(\lambda)}{E(B-V)}$:	$(4.159, 0.028)^{r=0.99}_{B3}$	$(4.342, 0.042)^{r=1.00}_{Sun}$	$(4.757, 0.033)^{r=0.99}_{M2}$				
$I_{kurt} = -0.92$	$\lambda_{eff} = 4374.7 + 106.3 \times E(B-V)$ $r{=}1.00$			$W_{eff} = 1094.8 - 131.8 \times E(B-V)$ $r{=}-0.98$					
	$\lambda_{eff}(T) = 4261 + 249 \times \theta + 194 \times \theta^2 - 130 \times \theta^3$			$W_{eff}(T) = 950 + 679 \times \theta - 1185 \times \theta^2 + 361 \times \theta^3$					

$\mathbf{V}_G$

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 5438$	$\lambda_\circ = 5416$	$\lambda_{peak} = 5540$	$\lambda_{gauss} = 5447$	5378	5385	5413	5437	5466	5492
WHM = 582	W10% = 1073	W80% = 273	FWHM = 568	[593]	[595]	[608]	[604]	[576]	[519]
$W_\circ = 605$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.02\ ^{1.01}_{1.04}$	$a = {}^{1.006}_{1.004}\quad b = {}^{0.059}_{0.034}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 246$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.02\ ^{1.02}_{1.05}$	$a = {}^{1.004}_{1.002}\quad b = {}^{0.041}_{0.018}$	*Sun*	5395	5488	5051	5384	5168	5385
$I_{asym} = -0.25$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.03\ ^{1.02}_{1.07}$	$\frac{A(\lambda)}{E(B-V)}$:	$(3.165, 0.039)^{r=0.99}_{B3}$	$(3.369, 0.052)^{r=1.00}_{Sun}$	$(3.793, 0.039)^{r=1.00}_{M2}$				
$I_{kurt} = -0.53$	$\lambda_{eff} = 5416.6 + 45.3 \times E(B-V)$ $r{=}1.00$			$W_{eff} = 611.5 - 30.3 \times E(B-V)$ $r{=}-0.98$					
	$\lambda_{eff}(T) = 5369 + 80 \times \theta + 63 \times \theta^2 - 36 \times \theta^3$			$W_{eff}(T) = 588 + 65 \times \theta - 71 \times \theta^2 - 10 \times \theta^3$					

$\mathbf{V}_D$

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 5730$	$\lambda_\circ = 5722$	$\lambda_{peak} = 6230$	$\lambda_{gauss} = 5765$	5609	5626	5701	5756	5822	5889
WHM = 1404	W10% = 1735	W80% = 1065	FWHM = 1231	[1237]	[1250]	[1304]	[1299]	[1220]	[1150]
$W_\circ = 1310$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 0.96\ ^{0.96}_{0.97}$	$a = {}^{0.993}_{0.983}\quad b = {}^{-0.049}_{-0.096}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 433$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 0.94\ ^{0.94}_{0.95}$	$a = {}^{0.986}_{0.977}\quad b = {}^{-0.084}_{-0.122}$	*Sun*	5649	5692	5190	5665	5374	5621
$I_{asym} = -0.14$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 0.92\ ^{0.92}_{0.93}$	$\frac{A(\lambda)}{E(B-V)}$:	$(3.000, 0.005)^{r=0.79}_{B3}$	$(3.147, 0.015)^{r=0.99}_{Sun}$	$(3.483, 0.002)^{r=0.78}_{M2}$				
$I_{kurt} = -1.01$	$\lambda_{eff} = 5726.0 + 118.5 \times E(B-V)$ $r{=}1.00$			$W_{eff} = 1341.4 - 144.4 \times E(B-V)$ $r{=}-0.98$					
	$\lambda_{eff}(T) = 5585 + 212 \times \theta + 200 \times \theta^2 - 120 \times \theta^3$			$W_{eff}(T) = 1198 + 439 \times \theta - 451 \times \theta^2 - 28 \times \theta^3$					

(continues) ⇒