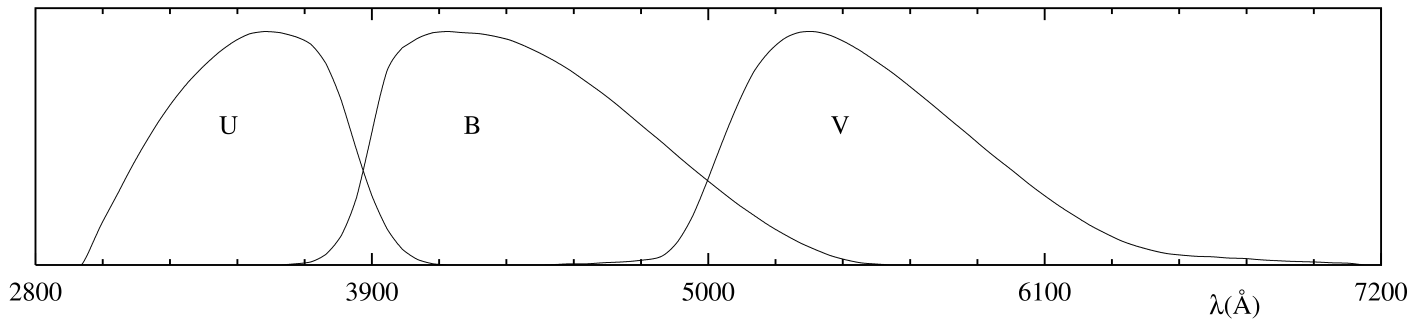
UBV - Johnson and Morgan - 1953 (photoelectric USA version)



U

				B3	Vega	Sun	K2	M2	Carbon
$\lambda_c = 3499$	$\lambda_\circ = 3502$	$\lambda_{peak} = 3550$	$\lambda_{gauss} = 3511$	3476	3536	3529	3604	3654	3567
WHM = 699	W10% = 989	W80% = 460	FWHM = 639	[683]	[675]	[671]	[588]	[488]	[686]
$W_\circ = 681$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.36\ ^{1.34}_{1.39}$	$a = ^{0.926}_{0.941}$ $b = ^{2.082}_{1.988}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 231$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.61\ ^{1.58}_{1.67}$	$a = ^{0.940}_{0.950}$ $b = ^{1.998}_{1.931}$	*Sun*	3460	3477	3632	3513	3497	3446
$I_{asym} = -0.10$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.96\ ^{1.89}_{2.05}$	$\frac{A(\lambda)}{E(B-V)}$:	$(4.984, 0.057)^{r=0.99}_{B3}$	$(5.286, 0.082)^{r=1.00}_{Sun}$		$(5.866, 0.070)^{r=1.00}_{M2}$			
$I_{kurt} = -0.77$	$\lambda_{eff} = 3502.8 + 54.8 \times E(B-V)$ r=1.00			$W_{eff} = 693.1 - 56.9 \times E(B-V)$ r=−0.98					
	$\lambda_{eff}(T) = 3435 + 209 \times \theta + 78 \times \theta^2 - 70 \times \theta^3$			$W_{eff}(T) = 627 + 408 \times \theta - 899 \times \theta^2 + 352 \times \theta^3$					

B

				B3	Vega	Sun	K2	M2	Carbon
$\lambda_c = 4380$	$\lambda_\circ = 4425$	$\lambda_{peak} = 4150$	$\lambda_{gauss} = 4362$	4344	4371	4468	4569	4669	4814
WHM = 983	W10% = 1506	W80% = 642	FWHM = 928	[942]	[944]	[931]	[807]	[652]	[276]
$W_\circ = 988$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.19\ ^{1.16}_{1.19}$	$a = ^{0.997}_{1.002}$ $b = ^{1.079}_{0.942}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 361$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.31\ ^{1.25}_{1.31}$	$a = ^{1.003}_{1.008}$ $b = ^{0.919}_{0.778}$	*Sun*	4386	4440	4733	4416	4715	4373
$I_{asym} = 0.44$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.46\ ^{1.38}_{1.47}$	$\frac{A(\lambda)}{E(B-V)}$:	$(4.124, 0.022)^{r=0.99}_{B3}$	$(4.304, 0.028)^{r=1.00}_{Sun}$		$(4.682, 0.003)^{r=0.59}_{M2}$			
$I_{kurt} = -0.53$	$\lambda_{eff} = 4420.2 + 131.9 \times E(B-V)$ r=1.00			$W_{eff} = 1022.9 - 136.4 \times E(B-V)$ r=−0.97					
	$\lambda_{eff}(T) = 4313 + 210 \times \theta + 258 \times \theta^2 - 128 \times \theta^3$			$W_{eff}(T) = 892 + 561 \times \theta - 960 \times \theta^2 + 238 \times \theta^3$					

V

				B3	Vega	Sun	K2	M2	Carbon
$\lambda_c = 5470$	$\lambda_\circ = 5544$	$\lambda_{peak} = 5332$	$\lambda_{gauss} = 5467$	5464	5474	5530	5577	5634	5718
WHM = 865	W10% = 1457	W80% = 488	FWHM = 843	[867]	[872]	[891]	[875]	[828]	[728]
$W_\circ = 898$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 0.99\ ^{0.99}_{0.99}$	$a = ^{1.002}_{0.996}$ $b = ^{0.014}_{-0.027}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 375$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 0.99\ ^{0.99}_{0.99}$	$a = ^{0.998}_{0.991}$ $b = ^{-0.016}_{-0.057}$	*Sun*	5501	5577	5217	5592	5328	5469
$I_{asym} = 0.73$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 0.98\ ^{0.99}_{0.99}$	$\frac{A(\lambda)}{E(B-V)}$:	$(3.104, 0.021)^{r=0.99}_{B3}$	$(3.280, 0.026)^{r=1.00}_{Sun}$		$(3.650, 0.001)^{r=0.27}_{M2}$			
$I_{kurt} = 0.58$	$\lambda_{eff} = 5539.1 + 114.3 \times E(B-V)$ r=1.00			$W_{eff} = 920.2 - 95.9 \times E(B-V)$ r=−0.98					
	$\lambda_{eff}(T) = 5450 + 129 \times \theta + 158 \times \theta^2 - 56 \times \theta^3$			$W_{eff}(T) = 851 + 176 \times \theta - 165 \times \theta^2 - 62 \times \theta^3$					

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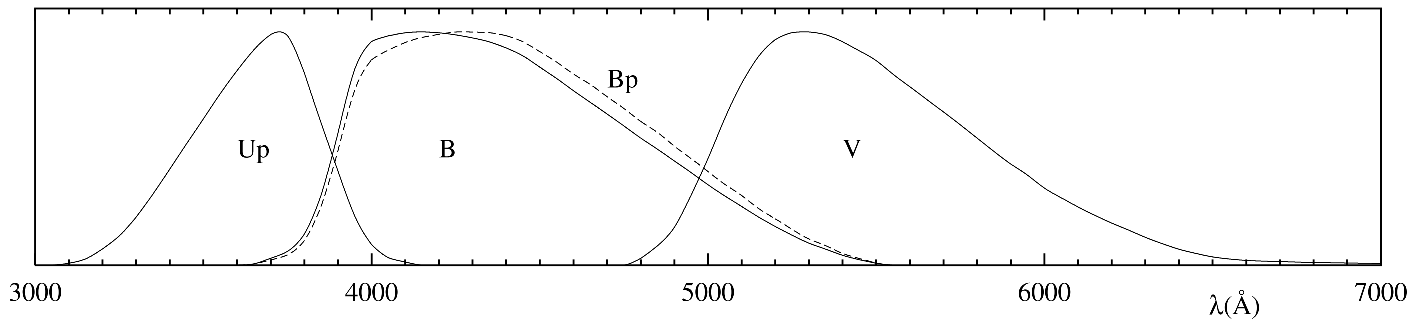
UBV - Johnson and Morgan - 1953 (photoelectric Vilnius version)



Up				*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 3658$	$\lambda_\circ = 3642$	$\lambda_{peak} = 3726$	$\lambda_{gauss} = 3663$	3637	3686	3653	3682	3722	3681
WHM = 436	W10% = 766	W80% = 223	FWHM = 421	[455]	[441]	[446]	[425]	[381]	[541]
$W_\circ = 448$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.34\ ^{1.32}_{1.37}$	$a = {}^{0.959}_{0.963}$ $b = {}^{1.864}_{1.828}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 179$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.57\ ^{1.53}_{1.63}$	$a = {}^{0.961}_{0.964}$ $b = {}^{1.846}_{1.816}$ *Sun*		3612	3625	3710	3646	3638	3614
$I_{asym} = -0.30$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.87\ ^{1.81}_{1.98}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.799, 0.072)^{r=1.00}_{B3}$		$(5.136, 0.095)^{r=1.00}_{Sun}$			$(5.777, 0.077)^{r=1.00}_{M2}$		
$I_{kurt} = -0.35$	$\lambda_{eff} = 3642.1 + 30.5 \times E(B-V)$ r=1.00			$W_{eff} = 451.5 - 19.4 \times E(B-V)$ r=−0.97					
	$\lambda_{eff}(T) = 3602 + 119 \times \theta + 35 \times \theta^2 - 31 \times \theta^3$			$W_{eff}(T) = 430 + 117 \times \theta - 241 \times \theta^2 + 67 \times \theta^3$					

B				*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4368$	$\lambda_\circ = 4417$	$\lambda_{peak} = 4150$	$\lambda_{gauss} = 4348$	4336	4363	4461	4563	4666	4815
WHM = 958	W10% = 1509	W80% = 610	FWHM = 915	[929]	[929]	[915]	[789]	[632]	[254]
$W_\circ = 974$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.19\ ^{1.16}_{1.19}$	$a = {}^{0.997}_{1.002}$ $b = {}^{1.090}_{0.951}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 362$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.31\ ^{1.25}_{1.32}$	$a = {}^{1.003}_{1.008}$ $b = {}^{0.929}_{0.785}$ *Sun*		4377	4430	4719	4406	4707	4365
$I_{asym} = 0.47$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.47\ ^{1.38}_{1.47}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.132, 0.022)^{r=0.99}_{B3}$		$(4.312, 0.027)^{r=1.00}_{Sun}$			$(4.685, 0.002)^{r=0.34}_{M2}$		
$I_{kurt} = -0.50$	$\lambda_{eff} = 4411.7 + 134.1 \times E(B-V)$ r=1.00			$W_{eff} = 1009.2 - 135.1 \times E(B-V)$ r=−0.97					
	$\lambda_{eff}(T) = 4304 + 210 \times \theta + 264 \times \theta^2 - 128 \times \theta^3$			$W_{eff}(T) = 880 + 551 \times \theta - 946 \times \theta^2 + 233 \times \theta^3$					

Bp				*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4406$	$\lambda_\circ = 4448$	$\lambda_{peak} = 4268$	$\lambda_{gauss} = 4391$	4365	4392	4489	4588	4687	4830
WHM = 1008	W10% = 1526	W80% = 657	FWHM = 949	[961]	[974]	[956]	[837]	[696]	[331]
$W_\circ = 1010$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.18\ ^{1.15}_{1.19}$	$a = {}^{0.998}_{1.003}$ $b = {}^{1.052}_{0.911}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 364$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.30\ ^{1.25}_{1.31}$	$a = {}^{1.004}_{1.009}$ $b = {}^{0.892}_{0.751}$ *Sun*		4407	4457	4760	4439	4738	4394
$I_{asym} = 0.40$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.45\ ^{1.37}_{1.46}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.104, 0.021)^{r=0.99}_{B3}$		$(4.283, 0.027)^{r=1.00}_{Sun}$			$(4.661, 0.003)^{r=0.56}_{M2}$		
$I_{kurt} = -0.57$	$\lambda_{eff} = 4444.1 + 132.4 \times E(B-V)$ r=1.00			$W_{eff} = 1045.6 - 141.3 \times E(B-V)$ r=−0.98					
	$\lambda_{eff}(T) = 4334 + 217 \times \theta + 254 \times \theta^2 - 129 \times \theta^3$			$W_{eff}(T) = 910 + 582 \times \theta - 990 \times \theta^2 + 249 \times \theta^3$					

V				*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 5426$	$\lambda_\circ = 5505$	$\lambda_{peak} = 5285$	$\lambda_{gauss} = 5419$	5429	5439	5492	5538	5595	5676
WHM = 827	W10% = 1474	W80% = 458	FWHM = 818	[841]	[846]	[864]	[850]	[807]	[704]
$W_\circ = 870$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.00\ ^{1.00}_{1.00}$	$a = {}^{1.004}_{0.999}$ $b = {}^{0.032}_{-0.010}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 367$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.00\ ^{1.00}_{1.00}$	$a = {}^{1.000}_{0.994}$ $b = {}^{0.001}_{-0.041}$ *Sun*		5465	5548	5137	5520	5247	5435
$I_{asym} = 0.80$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.00\ ^{1.00}_{1.00}$	$\frac{A(\lambda)}{E(B-V)}$: $(3.132, 0.022)^{r=0.99}_{B3}$		$(3.312, 0.027)^{r=1.00}_{Sun}$			$(3.685, 0.002)^{r=0.34}_{M2}$		
$I_{kurt} = 0.77$	$\lambda_{eff} = 5499.6 + 112.8 \times E(B-V)$ r=1.00			$W_{eff} = 892.5 - 93.1 \times E(B-V)$ r=−0.98					
	$\lambda_{eff}(T) = 5415 + 122 \times \theta + 154 \times \theta^2 - 52 \times \theta^3$			$W_{eff}(T) = 827 + 165 \times \theta - 154 \times \theta^2 - 62 \times \theta^3$					

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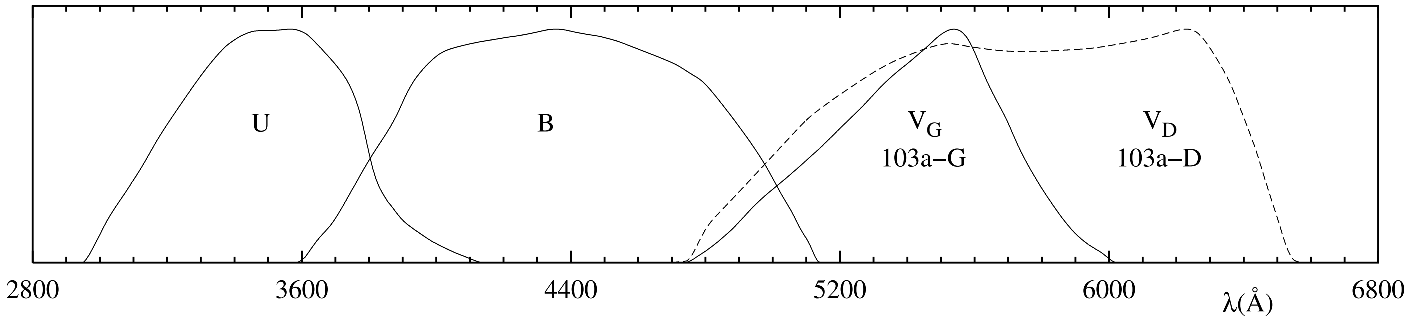
UBV - Johnson and Morgan - 1953 (photographic version)



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]
$W_\circ = 641$	$\left.\frac{A(\lambda)}{A(V)}\right\vert_{5.0} = 1.36\ ^{1.35}_{1.39}$	$a = ^{0.921}_{0.937}\ b = ^{2.112}_{2.018}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 223$	$\left.\frac{A(\lambda)}{A(V)}\right\vert_{3.1} = 1.62\ ^{1.59}_{1.67}$	$a = ^{0.936}_{0.947}\ b = ^{2.021}_{1.952}$	*Sun*	3448	3462	3615	3498	3480	3433
$I_{asym} = 0.01$	$\left.\frac{A(\lambda)}{A(V)}\right\vert_{2.1} = 1.97\ ^{1.91}_{2.04}$	$\frac{A(\lambda)}{E(B-V)}$:	$(5.002, 0.059)^{r=0.99}_{B3}$	$(5.304, 0.083)^{r=1.00}_{Sun}$	$(5.882, 0.066)^{r=1.00}_{M2}$				
$I_{kurt} = -0.58$	$\lambda_{eff} = 3485.7 + 52.8 \times E(B-V)$ $r{=}1.00$			$W_{eff} = 652.3 - 51.7 \times E(B-V)$ $r{=}{-0.98}$					
	$\lambda_{eff}(T) = 3423 + 190 \times \theta + 80 \times \theta^2 - 61 \times \theta^3$			$W_{eff}(T) = 594 + 354 \times \theta - 778 \times \theta^2 + 290 \times \theta^3$					

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]
$W_\circ = 1063$	$\left.\frac{A(\lambda)}{A(V)}\right\vert_{5.0} = 1.20\ ^{1.18}_{1.20}$	$a = ^{0.995}_{1.000}\ b = ^{1.129}_{1.002}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 345$	$\left.\frac{A(\lambda)}{A(V)}\right\vert_{3.1} = 1.33\ ^{1.29}_{1.33}$	$a = ^{1.001}_{1.005}\ b = ^{0.968}_{0.850}$	*Sun*	4351	4406	4632	4363	4683	4327
$I_{asym} = 0.03$	$\left.\frac{A(\lambda)}{A(V)}\right\vert_{2.1} = 1.49\ ^{1.43}_{1.48}$	$\frac{A(\lambda)}{E(B-V)}$:	$(4.159, 0.028)^{r=0.99}_{B3}$	$(4.342, 0.042)^{r=1.00}_{Sun}$	$(4.757, 0.033)^{r=0.99}_{M2}$				
$I_{kurt} = -0.92$	$\lambda_{eff} = 4374.7 + 106.3 \times E(B-V)$ $r{=}1.00$			$W_{eff} = 1094.8 - 131.8 \times E(B-V)$ $r{=}{-0.98}$					
	$\lambda_{eff}(T) = 4261 + 249 \times \theta + 194 \times \theta^2 - 130 \times \theta^3$			$W_{eff}(T) = 950 + 679 \times \theta - 1185 \times \theta^2 + 361 \times \theta^3$					

$\mathbf{V}_G$				*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]
$W_\circ = 605$	$\left.\frac{A(\lambda)}{A(V)}\right\vert_{5.0} = 1.02\ ^{1.01}_{1.04}$	$a = ^{1.006}_{1.004}\ b = ^{0.059}_{0.034}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 246$	$\left.\frac{A(\lambda)}{A(V)}\right\vert_{3.1} = 1.02\ ^{1.02}_{1.05}$	$a = ^{1.004}_{1.002}\ b = ^{0.041}_{0.018}$	*Sun*	5395	5488	5051	5384	5168	5385
$I_{asym} = -0.25$	$\left.\frac{A(\lambda)}{A(V)}\right\vert_{2.1} = 1.03\ ^{1.02}_{1.07}$	$\frac{A(\lambda)}{E(B-V)}$:	$(3.165, 0.039)^{r=0.99}_{B3}$	$(3.369, 0.052)^{r=1.00}_{Sun}$	$(3.793, 0.039)^{r=1.00}_{M2}$				
$I_{kurt} = -0.53$	$\lambda_{eff} = 5416.6 + 45.3 \times E(B-V)$ $r{=}1.00$			$W_{eff} = 611.5 - 30.3 \times E(B-V)$ $r{=}{-0.98}$					
	$\lambda_{eff}(T) = 5369 + 80 \times \theta + 63 \times \theta^2 - 36 \times \theta^3$			$W_{eff}(T) = 588 + 65 \times \theta - 71 \times \theta^2 - 10 \times \theta^3$					

$\mathbf{V}_D$				*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]
$W_\circ = 1310$	$\left.\frac{A(\lambda)}{A(V)}\right\vert_{5.0} = 0.96\ ^{0.96}_{0.97}$	$a = ^{0.993}_{0.983}\ b = ^{-0.049}_{-0.096}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 433$	$\left.\frac{A(\lambda)}{A(V)}\right\vert_{3.1} = 0.94\ ^{0.94}_{0.95}$	$a = ^{0.986}_{0.977}\ b = ^{-0.084}_{-0.122}$	*Sun*	5649	5692	5190	5665	5374	5621
$I_{asym} = -0.14$	$\left.\frac{A(\lambda)}{A(V)}\right\vert_{2.1} = 0.92\ ^{0.92}_{0.93}$	$\frac{A(\lambda)}{E(B-V)}$:	$(3.000, 0.005)^{r=0.79}_{B3}$	$(3.147, 0.015)^{r=0.99}_{Sun}$	$(3.483, 0.002)^{r=0.78}_{M2}$				
$I_{kurt} = -1.01$	$\lambda_{eff} = 5726.0 + 118.5 \times E(B-V)$ $r{=}1.00$			$W_{eff} = 1341.4 - 144.4 \times E(B-V)$ $r{=}{-0.98}$					
	$\lambda_{eff}(T) = 5585 + 212 \times \theta + 200 \times \theta^2 - 120 \times \theta^3$			$W_{eff}(T) = 1198 + 439 \times \theta - 451 \times \theta^2 - 28 \times \theta^3$					

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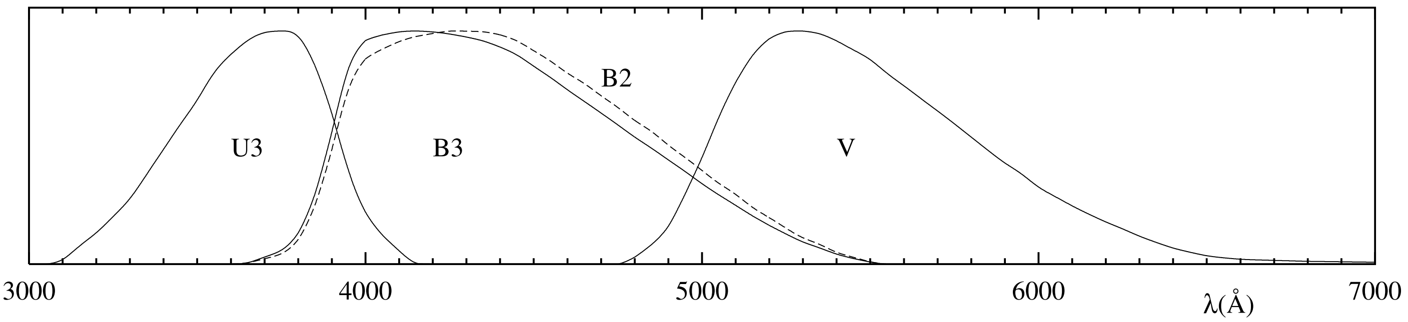
UBV - Johnson and Morgan - 1953 (Buser 1978 version)



U3

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 3666$	$\lambda_\circ = 3652$	$\lambda_{peak} = 3754$	$\lambda_{gauss} = 3673$	3646	3708	3669	3710	3762	3746
WHM = 525	W10% = 898	W80% = 323	FWHM = 510	[551]	[512]	[550]	[542]	[470]	[512]
$W_\circ = 543$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.34\,{}^{1.32}_{1.36}$	$a = {}^{0.960}_{0.965}$ $b = {}^{1.853}_{1.809}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 202$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.56\,{}^{1.52}_{1.60}$	$a = {}^{0.963}_{0.966}$ $b = {}^{1.829}_{1.791}$ *Sun*		3617	3629	3717	3650	3647	3617
$I_{asym} = -0.27$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.87\,{}^{1.80}_{1.94}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.792, 0.067)^{r=0.99}_{B3}$		$(5.120, 0.089)^{r=1.00}_{Sun}$			$(5.730, 0.071)^{r=1.00}_{M2}$		
$I_{kurt} = -0.47$	$\lambda_{eff} = 3652.5 + 38.6 \times E(B-V)$ 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

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4368$	$\lambda_\circ = 4417$	$\lambda_{peak} = 4150$	$\lambda_{gauss} = 4348$	4336	4363	4461	4563	4666	4815
WHM = 958	W10% = 1509	W80% = 610	FWHM = 915	[930]	[930]	[916]	[790]	[633]	[255]
$W_\circ = 974$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.19\,{}^{1.16}_{1.19}$	$a = {}^{0.997}_{1.002}$ $b = {}^{1.090}_{0.951}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 362$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.31\,{}^{1.25}_{1.32}$	$a = {}^{1.003}_{1.008}$ $b = {}^{0.929}_{0.785}$ *Sun*		4377	4430	4719	4406	4707	4365
$I_{asym} = 0.47$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.47\,{}^{1.38}_{1.47}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.132, 0.022)^{r=0.99}_{B3}$		$(4.312, 0.027)^{r=1.00}_{Sun}$			$(4.685, 0.002)^{r=0.34}_{M2}$		
$I_{kurt} = -0.50$	$\lambda_{eff} = 4411.7 + 134.1 \times E(B-V)$ 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

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4406$	$\lambda_\circ = 4448$	$\lambda_{peak} = 4268$	$\lambda_{gauss} = 4391$	4365	4392	4489	4588	4687	4830
WHM = 1008	W10% = 1526	W80% = 657	FWHM = 949	[962]	[975]	[957]	[838]	[697]	[332]
$W_\circ = 1010$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.18\,{}^{1.15}_{1.19}$	$a = {}^{0.998}_{1.003}$ $b = {}^{1.052}_{0.911}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 364$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.30\,{}^{1.25}_{1.31}$	$a = {}^{1.004}_{1.009}$ $b = {}^{0.892}_{0.751}$ *Sun*		4407	4457	4760	4439	4738	4394
$I_{asym} = 0.40$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.45\,{}^{1.37}_{1.46}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.104, 0.021)^{r=0.99}_{B3}$		$(4.283, 0.027)^{r=1.00}_{Sun}$			$(4.661, 0.003)^{r=0.56}_{M2}$		
$I_{kurt} = -0.57$	$\lambda_{eff} = 4444.1 + 132.4 \times E(B-V)$ 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

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 5426$	$\lambda_\circ = 5505$	$\lambda_{peak} = 5285$	$\lambda_{gauss} = 5419$	5429	5439	5492	5538	5595	5676
WHM = 827	W10% = 1474	W80% = 458	FWHM = 818	[842]	[847]	[865]	[851]	[808]	[705]
$W_\circ = 870$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.00\,{}^{1.00}_{1.00}$	$a = {}^{1.004}_{0.999}$ $b = {}^{0.032}_{-0.010}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 367$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.00\,{}^{1.00}_{1.00}$	$a = {}^{1.000}_{0.994}$ $b = {}^{0.001}_{-0.041}$ *Sun*		5465	5548	5137	5520	5247	5435
$I_{asym} = 0.80$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.00\,{}^{1.00}_{1.00}$	$\frac{A(\lambda)}{E(B-V)}$: $(3.132, 0.022)^{r=0.99}_{B3}$		$(3.312, 0.027)^{r=1.00}_{Sun}$			$(3.685, 0.002)^{r=0.34}_{M2}$		
$I_{kurt} = 0.77$	$\lambda_{eff} = 5499.6 + 112.8 \times E(B-V)$ r=1.00			$W_{eff} = 893.5 - 93.1 \times E(B-V)$ r=-0.98					
	$\lambda_{eff}(T) = 5415 + 122 \times \theta + 154 \times \theta^2 - 52 \times \theta^3$			$W_{eff}(T) = 828 + 165 \times \theta - 154 \times \theta^2 - 62 \times \theta^3$					