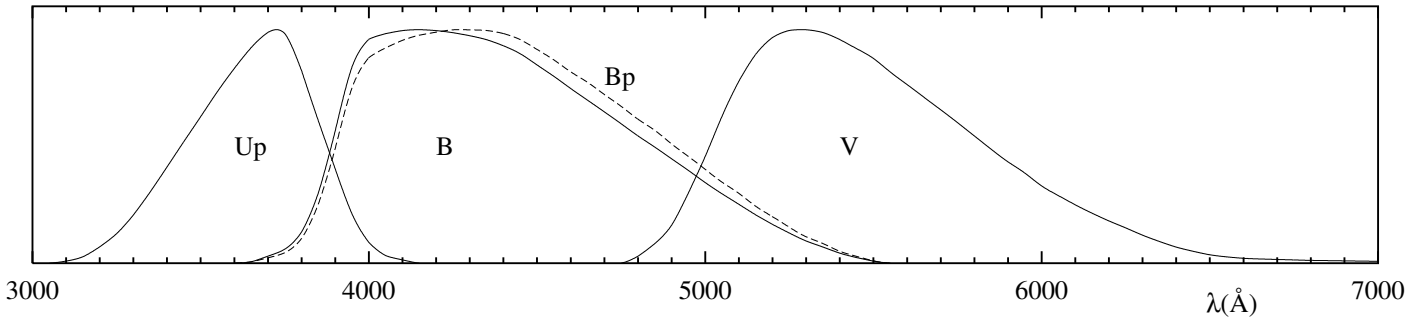
UBV - Johnson and Morgan - 1953 (photoelectric Vilnius version)



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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