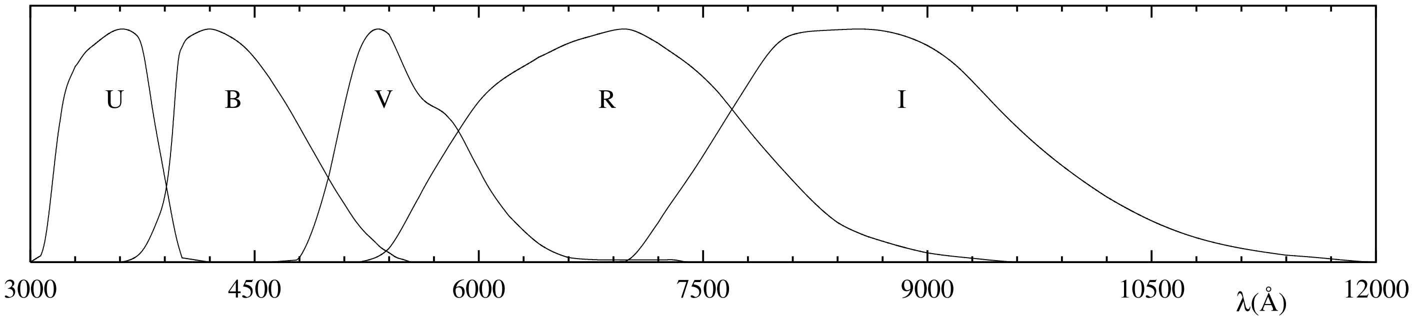
UBVRI(JHKLMN) - Johnson - 1965



U

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 3518$	$\lambda_\circ = 3531$	$\lambda_{peak} = 3615$	$\lambda_{gauss} = 3530$	3513	3568	3551	3610	3660	3564
WHM = 684	W10% = 878	W80% = 510	FWHM = 619	[662]	[650]	[653]	[592]	[493]	[692]
$W_\circ = 659$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.36\,^{1.34}_{1.39}$	$a = {}^{0.936}_{0.947}$ $b = {}^{2.023}_{1.953}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 213$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.60\,^{1.57}_{1.67}$	$a = {}^{0.945}_{0.953}$ $b = {}^{1.967}_{1.912}$ *Sun*		3495	3509	3651	3542	3527	3487
$I_{asym} = 0.02$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.94\,^{1.87}_{2.05}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.938, 0.063)^{r=0.99}_{B3}$		$(5.257, 0.087)^{r=1.00}_{Sun}$		$(5.858, 0.071)^{r=1.00}_{M2}$			
$I_{kurt} = -0.87$	$\lambda_{eff} = 3531.4 + 47.0 \times E(B-V)$ r=1.00			$W_{eff} = 670.0 - 48.6 \times E(B-V)$ r=−0.98					
	$\lambda_{eff}(T) = 3476 + 162 \times \theta + 86 \times \theta^2 - 63 \times \theta^3$			$W_{eff}(T) = 612 + 346 \times \theta - 741 \times \theta^2 + 269 \times \theta^3$					

B

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4407$	$\lambda_\circ = 4442$	$\lambda_{peak} = 4199$	$\lambda_{gauss} = 4383$	4364	4389	4478	4571	4667	4810
WHM = 927	W10% = 1487	W80% = 609	FWHM = 891	[902]	[913]	[906]	[792]	[644]	[276]
$W_\circ = 948$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.19\,^{1.16}_{1.19}$	$a = {}^{0.998}_{1.003}$ $b = {}^{1.053}_{0.922}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 350$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.30\,^{1.25}_{1.31}$	$a = {}^{1.003}_{1.008}$ $b = {}^{0.906}_{0.773}$ *Sun*		4406	4457	4763	4435	4727	4391
$I_{asym} = 0.43$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.46\,^{1.38}_{1.46}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.105, 0.025)^{r=0.99}_{B3}$		$(4.294, 0.031)^{r=1.00}_{Sun}$		$(4.684, 0.006)^{r=0.77}_{M2}$			
$I_{kurt} = -0.50$	$\lambda_{eff} = 4437.4 + 124.4 \times E(B-V)$ r=1.00			$W_{eff} = 980.7 - 124.8 \times E(B-V)$ r=−0.97					
	$\lambda_{eff}(T) = 4336 + 201 \times \theta + 235 \times \theta^2 - 115 \times \theta^3$			$W_{eff}(T) = 863 + 494 \times \theta - 833 \times \theta^2 + 192 \times \theta^3$					

V

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 5479$	$\lambda_\circ = 5537$	$\lambda_{peak} = 5326$	$\lambda_{gauss} = 5455$	5457	5467	5523	5570	5629	5702
WHM = 875	W10% = 1496	W80% = 377	FWHM = 818	[842]	[846]	[865]	[848]	[805]	[722]
$W_\circ = 871$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 0.99\,^{0.99}_{1.00}$	$a = {}^{1.002}_{0.997}$ $b = {}^{0.018}_{-0.024}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 379$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 0.99\,^{0.99}_{0.99}$	$a = {}^{0.998}_{0.992}$ $b = {}^{-0.013}_{-0.055}$ *Sun*		5494	5576	5170	5555	5294	5463
$I_{asym} = 0.80$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 0.99\,^{0.99}_{0.99}$	$\frac{A(\lambda)}{E(B-V)}$: $(3.111, 0.020)^{r=0.99}_{B3}$		$(3.287, 0.025)^{r=1.00}_{Sun}$		$(3.656, -0.001)^{r=-0.26}_{M2}$			
$I_{kurt} = 1.02$	$\lambda_{eff} = 5531.2 + 118.8 \times E(B-V)$ r=1.00			$W_{eff} = 893.5 - 95.6 \times E(B-V)$ r=−0.98					
	$\lambda_{eff}(T) = 5442 + 130 \times \theta + 159 \times \theta^2 - 53 \times \theta^3$			$W_{eff}(T) = 827 + 167 \times \theta - 156 \times \theta^2 - 63 \times \theta^3$					

R

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 6846$	$\lambda_\circ = 6938$	$\lambda_{peak} = 6970$	$\lambda_{gauss} = 6874$	6663	6693	6816	6911	7165	7022
WHM = 2090	W10% = 3205	W80% = 1295	FWHM = 1943	[1867]	[1907]	[2017]	[2048]	[1890]	[1888]
$W_\circ = 2068$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 0.75\,^{0.73}_{0.79}$	$a = {}^{0.899}_{0.877}$ $b = {}^{-0.301}_{-0.348}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 756$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 0.71\,^{0.69}_{0.74}$	$a = {}^{0.885}_{0.863}$ $b = {}^{-0.330}_{-0.379}$ *Sun*		6755	6717	6638	6736	6787	6670
$I_{asym} = 0.30$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 0.64\,^{0.63}_{0.67}$	$\frac{A(\lambda)}{E(B-V)}$: $(2.354, -0.021)^{r=-0.99}_{B3}$		$(2.444, -0.019)^{r=-1.00}_{Sun}$		$(2.585, -0.040)^{r=-1.00}_{M2}$			
$I_{kurt} = -0.36$	$\lambda_{eff} = 6938.3 + 258.3 \times E(B-V)$ r=1.00			$W_{eff} = 2129.8 - 295.8 \times E(B-V)$ r=−0.99					
	$\lambda_{eff}(T) = 6622 + 346 \times \theta + 427 \times \theta^2 - 202 \times \theta^3$			$W_{eff}(T) = 1788 + 772 \times \theta - 361 \times \theta^2 - 369 \times \theta^3$					

I

$\lambda_c = 8640$	$\lambda_\circ = 8780$	$\lambda_{peak} = 8541$	$\lambda_{gauss} = 8648$	*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
WHM = 2194	W10% = 3700	W80% = 1428	FWHM = 2176	8514	8565	8620	8699	8836	8825
$W_\circ = 2317$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 0.51\,^{0.51}_{0.53}$	$a = {}^{0.734}_{0.715}$ $b = {}^{-0.633}_{-0.639}$ *B3*		[2150]	[2208]	[2254]	[2299]	[2296]	[2433]
$\mu = 869$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 0.48\,^{0.49}_{0.50}$	$a = {}^{0.723}_{0.702}$ $b = {}^{-0.638}_{-0.638}$ *Sun*							
$I_{asym} = 0.50$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 0.44\,^{0.45}_{0.47}$	$\frac{A(\lambda)}{E(B-V)}$: $(1.584, 0.000)^{r=0.18}_{B3}$		$(1.668, 0.003)^{r=0.98}_{Sun}$		$(1.827, -0.012)^{r=-0.99}_{M2}$			
$I_{kurt} = -0.09$	$\lambda_{eff} = 8777.6 + 209.5 \times E(B-V)$ r=1.00			$W_{eff} = 2360.2 - 195.8 \times E(B-V)$ r=−0.98					
	$\lambda_{eff}(T) = 8466 + 242 \times \theta + 305 \times \theta^2 - 108 \times \theta^3$			$W_{eff}(T) = 2081 + 395 \times \theta + 153 \times \theta^2 - 394 \times \theta^3$					

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