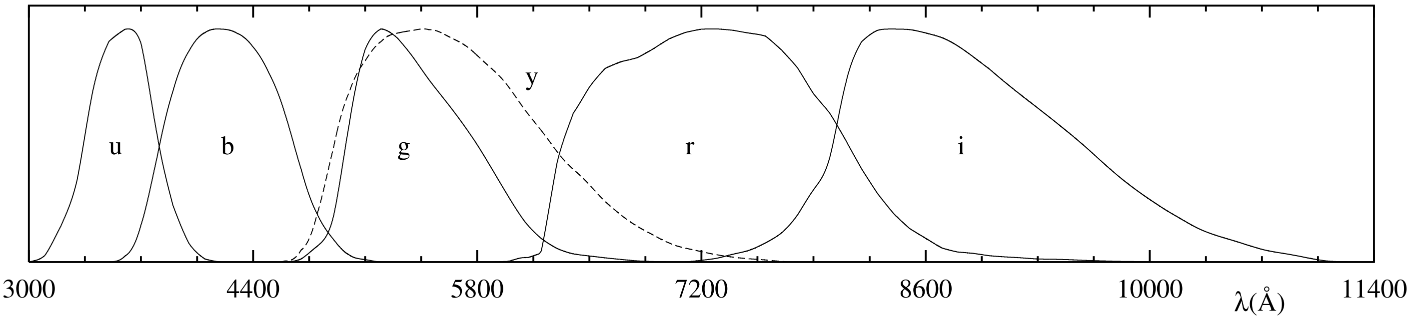
ubgyri - Bahng - 1958



u

$\lambda_c = 3576$	$\lambda_\circ = 3579$	$\lambda_{peak} = 3621$	$\lambda_{gauss} = 3580$
WHM = 473	W10% = 826	W80% = 316	FWHM = 473

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
3567	3615	3594	3637	3679	3630
[509]	[499]	[506]	[474]	[411]	[610]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
3548	3558	3673	3588	3572	3547

$W_\circ = 504$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.35\,^{1.33}_{1.38}$	$a = ^{0.948}_{0.954}$ $b = ^{1.946}_{1.900}$ *B3*
$\mu = 185$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.59\,^{1.55}_{1.65}$	$a = ^{0.953}_{0.957}$ $b = ^{1.913}_{1.875}$ *Sun*
$I_{asym} = -0.00$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.91\,^{1.85}_{2.01}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.874, 0.070)^{r=1.00}_{B3}$ $(5.203, 0.093)^{r=1.00}_{Sun}$ $(5.832, 0.073)^{r=1.00}_{M2}$
$I_{kurt} = -0.31$	$\lambda_{eff} = 3578.5 + 35.0 \times E(B-V)$ r=1.00	$W_{eff} = 509.4 - 26.3 \times E(B-V)$ r=−0.97
	$\lambda_{eff}(T) = 3537 + 122 \times \theta + 53 \times \theta^2 - 35 \times \theta^3$	$W_{eff}(T) = 481 + 162 \times \theta - 336 \times \theta^2 + 95 \times \theta^3$

b

$\lambda_c = 4236$	$\lambda_\circ = 4252$	$\lambda_{peak} = 4179$	$\lambda_{gauss} = 4236$
WHM = 841	W10% = 1226	W80% = 578	FWHM = 785

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
4208	4240	4301	4386	4457	4581
[803]	[801]	[794]	[673]	[549]	[388]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
4241	4304	4172	4221	4329	4228

$W_\circ = 835$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.23\,^{1.20}_{1.22}$	$a = ^{0.991}_{0.994}$ $b = ^{1.252}_{1.169}$ *B3*
$\mu = 285$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.37\,^{1.33}_{1.36}$	$a = ^{0.995}_{0.998}$ $b = ^{1.134}_{1.048}$ *Sun*
$I_{asym} = 0.17$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.56\,^{1.50}_{1.54}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.251, 0.047)^{r=0.99}_{B3}$ $(4.473, 0.060)^{r=1.00}_{Sun}$ $(4.931, 0.043)^{r=0.99}_{M2}$
$I_{kurt} = -0.60$	$\lambda_{eff} = 4250.2 + 76.0 \times E(B-V)$ r=1.00	$W_{eff} = 854.4 - 74.8 \times E(B-V)$ r=−0.97
	$\lambda_{eff}(T) = 4173 + 173 \times \theta + 139 \times \theta^2 - 79 \times \theta^3$	$W_{eff}(T) = 773 + 374 \times \theta - 649 \times \theta^2 + 161 \times \theta^3$

g

$\lambda_c = 5390$	$\lambda_\circ = 5445$	$\lambda_{peak} = 5200$	$\lambda_{gauss} = 5373$
WHM = 824	W10% = 1355	W80% = 422	FWHM = 778

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
5377	5386	5435	5478	5533	5616
[803]	[807]	[823]	[811]	[754]	[663]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
5408	5502	5091	5454	5180	5384

$W_\circ = 829$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.01\,^{1.01}_{1.01}$	$a = ^{1.006}_{1.002}$ $b = ^{0.060}_{0.018}$ *B3*
$\mu = 344$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.01\,^{1.01}_{1.02}$	$a = ^{1.003}_{0.998}$ $b = ^{0.029}_{-0.013}$ *Sun*
$I_{asym} = 0.64$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.02\,^{1.02}_{1.02}$	$\frac{A(\lambda)}{E(B-V)}$: $(3.173, 0.025)^{r=0.99}_{B3}$ $(3.359, 0.032)^{r=1.00}_{Sun}$ $(3.741, 0.009)^{r=0.91}_{M2}$
$I_{kurt} = 0.21$	$\lambda_{eff} = 5441.3 + 98.4 \times E(B-V)$ r=1.00	$W_{eff} = 847.6 - 80.8 \times E(B-V)$ r=−0.98
	$\lambda_{eff}(T) = 5364 + 115 \times \theta + 141 \times \theta^2 - 54 \times \theta^3$	$W_{eff}(T) = 790 + 150 \times \theta - 148 \times \theta^2 - 47 \times \theta^3$

y

$\lambda_c = 5588$	$\lambda_\circ = 5690$	$\lambda_{peak} = 5465$	$\lambda_{gauss} = 5591$
WHM = 1365	W10% = 2191	W80% = 893	FWHM = 1319

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
5536	5555	5654	5734	5851	5945
[1308]	[1322]	[1391]	[1379]	[1262]	[1167]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
5601	5669	5438	5859	5504	5549

$W_\circ = 1404$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 0.96\,^{0.95}_{0.98}$	$a = ^{0.998}_{0.986}$ $b = ^{-0.019}_{-0.086}$ *B3*
$\mu = 534$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 0.95\,^{0.93}_{0.97}$	$a = ^{0.990}_{0.975}$ $b = ^{-0.067}_{-0.127}$ *Sun*
$I_{asym} = 0.58$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 0.93\,^{0.91}_{0.96}$	$\frac{A(\lambda)}{E(B-V)}$: $(3.064, -0.010)^{r=-0.98}_{B3}$ $(3.198, -0.010)^{r=-1.00}_{Sun}$ $(3.479, -0.042)^{r=-1.00}_{M2}$
$I_{kurt} = -0.05$	$\lambda_{eff} = 5685.5 + 207.8 \times E(B-V)$ r=1.00	$W_{eff} = 1452.9 - 230.0 \times E(B-V)$ r=−0.98
	$\lambda_{eff}(T) = 5508 + 235 \times \theta + 329 \times \theta^2 - 134 \times \theta^3$	$W_{eff}(T) = 1258 + 573 \times \theta - 587 \times \theta^2 - 82 \times \theta^3$

r

$\lambda_c = 7224$	$\lambda_\circ = 7307$	$\lambda_{peak} = 7299$	$\lambda_{gauss} = 7256$
WHM = 1790	W10% = 2390	W80% = 1271	FWHM = 1625

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
7145	7167	7228	7281	7446	7311
[1626]	[1653]	[1701]	[1719]	[1637]	[1734]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
7157	7218	6699	6919	6956	7159

$W_\circ = 1730$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 0.71\,^{0.70}_{0.73}$	$a = ^{0.855}_{0.844}$ $b = ^{-0.396}_{-0.425}$ *B3*
$\mu = 598$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 0.66\,^{0.65}_{0.69}$	$a = ^{0.848}_{0.836}$ $b = ^{-0.414}_{-0.443}$ *Sun*
$I_{asym} = 0.38$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 0.58\,^{0.59}_{0.62}$	$\frac{A(\lambda)}{E(B-V)}$: $(2.100, 0.007)^{r=0.96}_{B3}$ $(2.216, 0.012)^{r=1.00}_{Sun}$ $(2.415, -0.004)^{r=-0.89}_{M2}$
$I_{kurt} = -0.15$	$\lambda_{eff} = 7304.9 + 152.3 \times E(B-V)$ r=1.00	$W_{eff} = 1767.3 - 154.9 \times E(B-V)$ r=−0.98
	$\lambda_{eff}(T) = 7121 + 185 \times \theta + 233 \times \theta^2 - 97 \times \theta^3$	$W_{eff}(T) = 1588 + 341 \times \theta - 56 \times \theta^2 - 241 \times \theta^3$

i

$\lambda_c = 8804$	$\lambda_\circ = 8884$	$\lambda_{peak} = 8400$	$\lambda_{gauss} = 8760$
WHM = 1569	W10% = 2836	W80% = 932	FWHM = 1571

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
8729	8764	8788	8836	8914	8945
[1604]	[1635]	[1648]	[1668]	[1658]	[1879]

$W_\circ = 1672$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 0.50\,^{0.51}_{0.51}$	$a = ^{0.711}_{0.699}$ $b = ^{-0.639}_{-0.636}$ *B3*
$\mu = 671$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 0.47\,^{0.48}_{0.49}$	$a = ^{0.705}_{0.692}$ $b = ^{-0.638}_{-0.633}$ *Sun*
$I_{asym} = 0.50$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 0.43\,^{0.43}_{0.46}$	$\frac{A(\lambda)}{E(B-V)}$: $(1.507, 0.012)^{r=0.99}_{B3}$ $(1.600, 0.016)^{r=1.00}_{Sun}$ $(1.785, 0.005)^{r=0.94}_{M2}$
$I_{kurt} = -0.15$	$\lambda_{eff} = 8881.8 + 123.2 \times E(B-V)$ r=1.00	$W_{eff} = 1691.5 - 85.9 \times E(B-V)$ r=−0.98
	$\lambda_{eff}(T) = 8696 + 145 \times \theta + 174 \times \theta^2 - 60 \times \theta^3$	$W_{eff}(T) = 1574 + 169 \times \theta + 41 \times \theta^2 - 147 \times \theta^3$