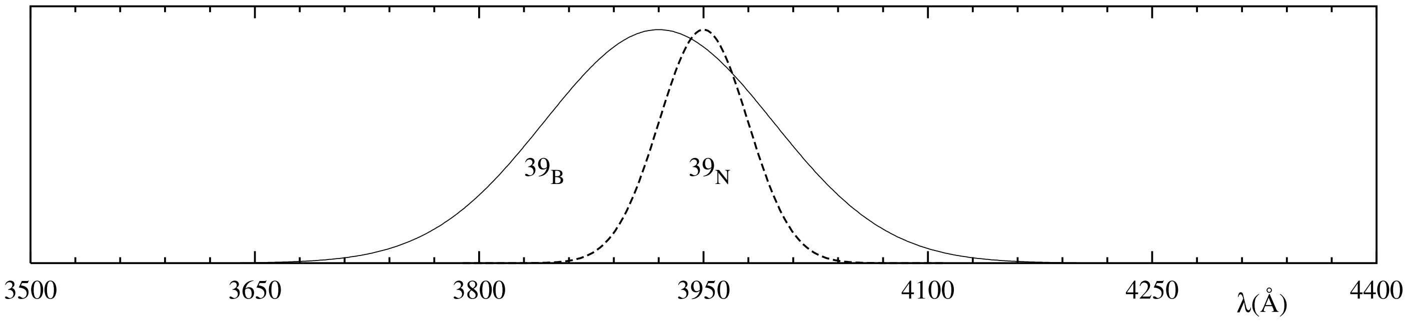
uvgr 39_B 39_N - Zinn -1980



39$_B$ (interference filter) assumed profile: gaussian

$\lambda_c = 3920$

WHM = 180

$W_\circ = 192$

B3	Vega	Sun	K2	M2	Carbon
3920	3927	3933	3948	3953	3996
[191]	[189]	[188]	[168]	[169]	[77]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
3918	3915	3887	3914	3915	3918

$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.29\ ^{1.28}_{1.32}$	$a = {}^{0.979}_{0.979}$ $b = {}^{1.581}_{1.576}$ *B3*
$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.48\ ^{1.46}_{1.53}$	$a = {}^{0.979}_{0.980}$ $b = {}^{1.567}_{1.561}$ *Sun*
$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.73\ ^{1.69}_{1.81}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.513, 0.082)^{r=1.00}_{B3}$ $(4.834, 0.103)^{r=1.00}_{Sun}$ $(5.496, 0.086)^{r=1.00}_{M2}$
$\lambda_{eff} = 3919.9 + 5.6 \times E(B-V)$ r=1.00	$W_{eff} = 192.0 - 1.5 \times E(B-V)$ r=-0.96
$\lambda_{eff}(T) = 3913.7 + 16.0 \times \theta + 9.5 \times \theta^2 - 5.0 \times \theta^3$	$W_{eff}(T) = 190.6 + 6.1 \times \theta - 9.8 \times \theta^2 - 0.7 \times \theta^3$

39$_N$ (interference filter) assumed profile: gaussian

$\lambda_c = 3950$

WHM = 70

$W_\circ = 75$

B3	Vega	Sun	K2	M2	Carbon
3949	3948	3953	3958	3958	3972
[75]	[75]	[77]	[78]	[77]	[47]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
3948	3947	3956	3951	3950	3948

$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.29\ ^{1.28}_{1.33}$	$a = {}^{0.980}_{0.980}$ $b = {}^{1.551}_{1.550}$ *B3*
$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.47\ ^{1.45}_{1.54}$	$a = {}^{0.980}_{0.980}$ $b = {}^{1.546}_{1.545}$ *Sun*
$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.72\ ^{1.67}_{1.82}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.486, 0.084)^{r=1.00}_{B3}$ $(4.814, 0.106)^{r=1.00}_{Sun}$ $(5.491, 0.090)^{r=1.00}_{M2}$
$\lambda_{eff} = 3950.0 + 0.9 \times E(B-V)$ r=1.00	$W_{eff} = 74.5 - 0.0 \times E(B-V)$ r=-0.84
$\lambda_{eff}(T) = 3949.1 + 2.4 \times \theta + 1.5 \times \theta^2 - 0.7 \times \theta^3$	$W_{eff}(T) = 74.5 + 0.3 \times \theta - 0.5 \times \theta^2 - 0.1 \times \theta^3$