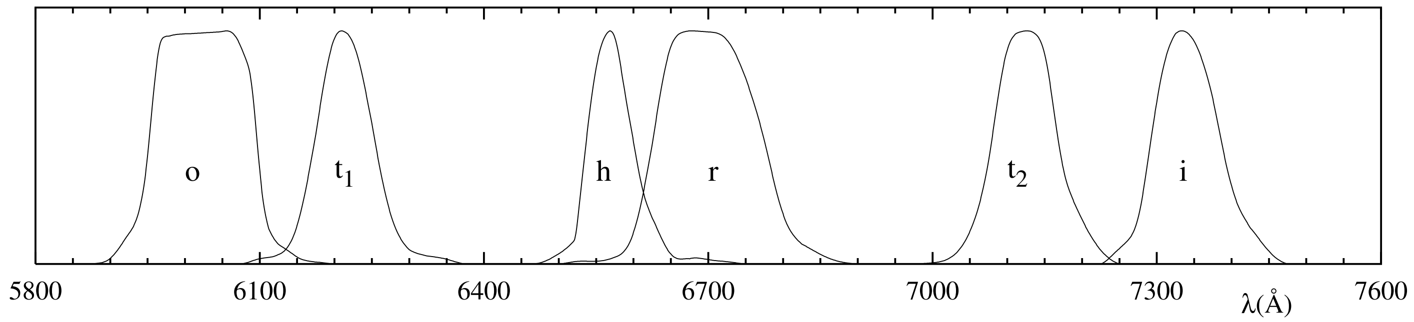


## o

$\lambda_c = 6024$ $\quad \lambda_\circ = 6023$ $\quad \lambda_{peak} = 6056$ $\quad \lambda_{gauss} = 6023$

WHM = 146 $\quad$ W10% = 202 $\quad$ W80% = 127 $\quad$ FWHM = 143

$W_\circ = 152$ $\quad \mu = 48$ $\quad I_{asym} = 0.04$ $\quad I_{kurt} = -0.60$

| *B3* | *Vega* | *Sun* | *K2* | *M2* | *Carbon* |
|---|---|---|---|---|---|
| 6022 | 6022 | 6023 | 6023 | 6031 | 6023 |
| [152] | [152] | [152] | [152] | [149] | [150] |

| *WN* | *WC* | $PN_{Ne}$ | $PN^{Ne}$ | *Nova* | *WDA* |
|---|---|---|---|---|---|
| 6022 | 6022 | 6024 | 6023 | 6038 | 6022 |

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.92\,^{0.91}_{0.95}$ $\quad a = {}^{0.959}_{0.959}$ $\quad b = {}^{-0.175}_{-0.175}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.88\,^{0.87}_{0.92}$ $\quad a = {}^{0.959}_{0.959}$ $\quad b = {}^{-0.175}_{-0.176}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.83\,^{0.81}_{0.88}$ $\quad \frac{A(\lambda)}{E(B-V)}$ : $(2.683, 0.050)^{r=1.00}_{B3}$ $\quad (2.882, 0.063)^{r=1.00}_{Sun}$ $\quad (3.285, 0.054)^{r=1.00}_{M2}$

$\lambda_{eff} = 6023.5 + 1.5 \times E(B-V)$ r=1.00 $\quad W_{eff} = 152.3 - 0.2 \times E(B-V)$ r=−0.96

$\lambda_{eff}(T) = 6022 + 2 \times \theta + 2 \times \theta^2 - 1 \times \theta^3$ $\quad W_{eff}(T) = 152 + 1 \times \theta - 0 \times \theta^2 - 0 \times \theta^3$

## $t_1$

$\lambda_c = 6214$ $\quad \lambda_\circ = 6215$ $\quad \lambda_{peak} = 6209$ $\quad \lambda_{gauss} = 6214$

WHM = 84 $\quad$ W10% = 148 $\quad$ W80% = 50 $\quad$ FWHM = 85

$W_\circ = 91$ $\quad \mu = 38$ $\quad I_{asym} = 0.27$ $\quad I_{kurt} = 0.93$

| *B3* | *Vega* | *Sun* | *K2* | *M2* | *Carbon* |
|---|---|---|---|---|---|
| 6215 | 6215 | 6215 | 6215 | 6213 | 6213 |
| [91] | [91] | [91] | [91] | [95] | [92] |

| *WN* | *WC* | $PN_{Ne}$ | $PN^{Ne}$ | *Nova* | *WDA* |
|---|---|---|---|---|---|
| 6215 | 6214 | 6234 | 6216 | 6220 | 6214 |

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.89\,^{0.88}_{0.92}$ $\quad a = {}^{0.942}_{0.942}$ $\quad b = {}^{-0.216}_{-0.217}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.84\,^{0.83}_{0.88}$ $\quad a = {}^{0.942}_{0.942}$ $\quad b = {}^{-0.217}_{-0.217}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.77\,^{0.75}_{0.83}$ $\quad \frac{A(\lambda)}{E(B-V)}$ : $(2.564, 0.048)^{r=1.00}_{B3}$ $\quad (2.754, 0.061)^{r=1.00}_{Sun}$ $\quad (3.147, 0.052)^{r=1.00}_{M2}$

$\lambda_{eff} = 6215.4 + 0.9 \times E(B-V)$ r=1.00 $\quad W_{eff} = 90.8 - 0.1 \times E(B-V)$ r=−0.97

$\lambda_{eff}(T) = 6214 + 1 \times \theta + 1 \times \theta^2 - 1 \times \theta^3$ $\quad W_{eff}(T) = 91 + 0 \times \theta - 0 \times \theta^2 - 0 \times \theta^3$

## h

$\lambda_c = 6568$ $\quad \lambda_\circ = 6574$ $\quad \lambda_{peak} = 6568$ $\quad \lambda_{gauss} = 6569$

WHM = 66 $\quad$ W10% = 118 $\quad$ W80% = 38 $\quad$ FWHM = 67

$W_\circ = 72$ $\quad \mu = 33$ $\quad I_{asym} = 0.91$ $\quad I_{kurt} = 2.47$

| *B3* | *Vega* | *Sun* | *K2* | *M2* | *Carbon* |
|---|---|---|---|---|---|
| 6574 | 6575 | 6574 | 6574 | 6573 | 6577 |
| [72] | [72] | [72] | [72] | [71] | [71] |

| *WN* | *WC* | $PN_{Ne}$ | $PN^{Ne}$ | *Nova* | *WDA* |
|---|---|---|---|---|---|
| 6570 | 6574 | 6572 | 6570 | 6568 | 6575 |

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.84\,^{0.83}_{0.87}$ $\quad a = {}^{0.908}_{0.908}$ $\quad b = {}^{-0.284}_{-0.284}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.77\,^{0.76}_{0.81}$ $\quad a = {}^{0.908}_{0.908}$ $\quad b = {}^{-0.284}_{-0.285}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.69\,^{0.67}_{0.74}$ $\quad \frac{A(\lambda)}{E(B-V)}$ : $(2.361, 0.044)^{r=1.00}_{B3}$ $\quad (2.536, 0.056)^{r=1.00}_{Sun}$ $\quad (2.898, 0.048)^{r=1.00}_{M2}$

$\lambda_{eff} = 6574.1 + 0.6 \times E(B-V)$ r=1.00 $\quad W_{eff} = 71.6 - 0.0 \times E(B-V)$ r=−0.97

$\lambda_{eff}(T) = 6573 + 1 \times \theta + 1 \times \theta^2 - 0 \times \theta^3$ $\quad W_{eff}(T) = 72 + 0 \times \theta - 0 \times \theta^2 - 0 \times \theta^3$

## r

$\lambda_c = 6701$ $\quad \lambda_\circ = 6702$ $\quad \lambda_{peak} = 6677$ $\quad \lambda_{gauss} = 6699$

WHM = 153 $\quad$ W10% = 225 $\quad$ W80% = 110 $\quad$ FWHM = 147

$W_\circ = 157$ $\quad \mu = 54$ $\quad I_{asym} = 0.16$ $\quad I_{kurt} = -0.19$

| *B3* | *Vega* | *Sun* | *K2* | *M2* | *Carbon* |
|---|---|---|---|---|---|
| 6701 | 6701 | 6701 | 6702 | 6697 | 6707 |
| [157] | [156] | [157] | [157] | [157] | [155] |

| *WN* | *WC* | $PN_{Ne}$ | $PN^{Ne}$ | *Nova* | *WDA* |
|---|---|---|---|---|---|
| 6695 | 6712 | 6662 | 6672 | 6652 | 6702 |

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.82\,^{0.81}_{0.85}$ $\quad a = {}^{0.896}_{0.896}$ $\quad b = {}^{-0.308}_{-0.308}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.75\,^{0.74}_{0.79}$ $\quad a = {}^{0.896}_{0.896}$ $\quad b = {}^{-0.308}_{-0.308}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.67\,^{0.65}_{0.71}$ $\quad \frac{A(\lambda)}{E(B-V)}$ : $(2.295, 0.043)^{r=1.00}_{B3}$ $\quad (2.465, 0.054)^{r=1.00}_{Sun}$ $\quad (2.819, 0.046)^{r=1.00}_{M2}$

$\lambda_{eff} = 6702.0 + 1.5 \times E(B-V)$ r=1.00 $\quad W_{eff} = 156.8 - 0.2 \times E(B-V)$ r=−0.96

$\lambda_{eff}(T) = 6700 + 2 \times \theta + 2 \times \theta^2 - 1 \times \theta^3$ $\quad W_{eff}(T) = 157 + 0 \times \theta - 0 \times \theta^2 - 0 \times \theta^3$

## $t_2$

$\lambda_c = 7124$ $\quad \lambda_\circ = 7126$ $\quad \lambda_{peak} = 7126$ $\quad \lambda_{gauss} = 7125$

WHM = 92 $\quad$ W10% = 172 $\quad$ W80% = 64 $\quad$ FWHM = 96

$W_\circ = 102$ $\quad \mu = 39$ $\quad I_{asym} = 0.09$ $\quad I_{kurt} = -0.06$

| *B3* | *Vega* | *Sun* | *K2* | *M2* | *Carbon* |
|---|---|---|---|---|---|
| 7125 | 7125 | 7125 | 7126 | 7123 | 7124 |
| [102] | [102] | [102] | [102] | [105] | [102] |

| *WN* | *WC* | $PN_{Ne}$ | $PN^{Ne}$ | *Nova* | *WDA* |
|---|---|---|---|---|---|
| 7122 | 7121 | 7133 | 7125 | 7129 | 7125 |

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.75\,^{0.74}_{0.78}$ $\quad a = {}^{0.857}_{0.857}$ $\quad b = {}^{-0.392}_{-0.392}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.69\,^{0.67}_{0.72}$ $\quad a = {}^{0.857}_{0.857}$ $\quad b = {}^{-0.392}_{-0.392}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.60\,^{0.59}_{0.64}$ $\quad \frac{A(\lambda)}{E(B-V)}$ : $(2.090, 0.039)^{r=1.00}_{B3}$ $\quad (2.245, 0.049)^{r=1.00}_{Sun}$ $\quad (2.566, 0.042)^{r=1.00}_{M2}$

$\lambda_{eff} = 7126.0 + 0.7 \times E(B-V)$ r=1.00 $\quad W_{eff} = 102.4 - 0.0 \times E(B-V)$ r=−0.97

$\lambda_{eff}(T) = 7125 + 1 \times \theta + 1 \times \theta^2 - 0 \times \theta^3$ $\quad W_{eff}(T) = 102 + 0 \times \theta - 0 \times \theta^2 - 0 \times \theta^3$

## i

$\lambda_c = 7340$ $\quad \lambda_\circ = 7343$ $\quad \lambda_{peak} = 7334$ $\quad \lambda_{gauss} = 7340$

WHM = 98 $\quad$ W10% = 178 $\quad$ W80% = 62 $\quad$ FWHM = 98

$W_\circ = 104$ $\quad \mu = 40$ $\quad I_{asym} = 0.24$ $\quad I_{kurt} = -0.11$

| *B3* | *Vega* | *Sun* | *K2* | *M2* | *Carbon* |
|---|---|---|---|---|---|
| 7342 | 7342 | 7342 | 7343 | 7347 | 7350 |
| [104] | [104] | [104] | [104] | [102] | [101] |

| *WN* | *WC* | $PN_{Ne}$ | $PN^{Ne}$ | *Nova* | *WDA* |
|---|---|---|---|---|---|
| 7342 | 7343 | 7333 | 7334 | 7329 | 7343 |

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.72\,^{0.71}_{0.74}$ $\quad a = {}^{0.838}_{0.838}$ $\quad b = {}^{-0.438}_{-0.438}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.65\,^{0.64}_{0.68}$ $\quad a = {}^{0.838}_{0.838}$ $\quad b = {}^{-0.438}_{-0.438}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.58\,^{0.56}_{0.61}$ $\quad \frac{A(\lambda)}{E(B-V)}$ : $(1.994, 0.037)^{r=1.00}_{B3}$ $\quad (2.142, 0.047)^{r=1.00}_{Sun}$ $\quad (2.444, 0.040)^{r=1.00}_{M2}$

$\lambda_{eff} = 7342.8 + 0.7 \times E(B-V)$ r=1.00 $\quad W_{eff} = 104.0 - 0.0 \times E(B-V)$ r=−0.97

$\lambda_{eff}(T) = 7342 + 1 \times \theta + 1 \times \theta^2 - 0 \times \theta^3$ $\quad W_{eff}(T) = 104 + 0 \times \theta - 0 \times \theta^2 - 0 \times \theta^3$