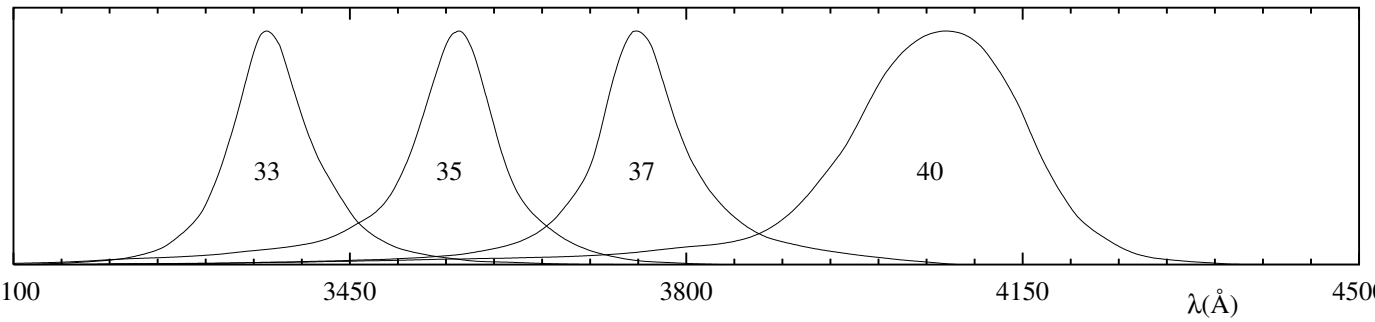
13 colors - Johnson and Mitchell - 1976



33

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 3368$	$\lambda_\circ = 3374$	$\lambda_{peak} = 3363$	$\lambda_{gauss} = 3368$	3371	3373	3374	3383	3389	3376
WHM = 90	W10% = 219	W80% = 45	FWHM = 105	[112]	[112]	[114]	[120]	[110]	[100]
$W_\circ = 112$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.39\ ^{1.37}_{1.43}$	$a = {}^{0.886}_{0.888}\ b = {}^{2.303}_{2.292}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 62$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.67\ ^{1.64}_{1.75}$	$a = {}^{0.888}_{0.890}\ b = {}^{2.293}_{2.282}$	*Sun*	3373	3377	3377	3373	3378	3369
$I_{asym} = 0.52$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 2.05\ ^{2.00}_{2.19}$	$\frac{A(\lambda)}{E(B-V)}$:	$(5.086, 0.093)^{r=1.00}_{B3}$	$(5.460, 0.117)^{r=1.00}_{Sun}$		$(6.215, 0.098)^{r=1.00}_{M2}$			
$I_{kurt} = 2.44$	$\lambda_{eff} = 3373.6 + 4.7 \times E(B-V)$ r=1.00			$W_{eff} = 112.5 - 0.9 \times E(B-V)$ r=–0.97					
	$\lambda_{eff}(T) = 3369 + 15 \times \theta + 7 \times \theta^2 - 3 \times \theta^3$			$W_{eff}(T) = 112 + 3 \times \theta - 6 \times \theta^2 - 1 \times \theta^3$					

35

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 3561$	$\lambda_\circ = 3539$	$\lambda_{peak} = 3563$	$\lambda_{gauss} = 3560$	3532	3537	3543	3558	3563	3546
WHM = 91	W10% = 260	W80% = 48	FWHM = 120	[127]	[128]	[124]	[126]	[127]	[147]
$W_\circ = 128$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.36\ ^{1.34}_{1.40}$	$a = {}^{0.940}_{0.943}\ b = {}^{1.995}_{1.981}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 94$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.60\ ^{1.58}_{1.68}$	$a = {}^{0.943}_{0.944}\ b = {}^{1.979}_{1.969}$	*Sun*	3526	3530	3570	3542	3534	3529
$I_{asym} = -1.43$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.94\ ^{1.89}_{2.06}$	$\frac{A(\lambda)}{E(B-V)}$:	$(4.904, 0.086)^{r=1.00}_{B3}$	$(5.255, 0.111)^{r=1.00}_{Sun}$		$(5.974, 0.094)^{r=1.00}_{M2}$			
$I_{kurt} = 3.60$	$\lambda_{eff} = 3539.0 + 8.4 \times E(B-V)$ r=1.00			$W_{eff} = 128.0 - 1.5 \times E(B-V)$ r=–0.98					
	$\lambda_{eff}(T) = 3527 + 41 \times \theta - 1 \times \theta^2 - 5 \times \theta^3$			$W_{eff}(T) = 127 + 7 \times \theta - 15 \times \theta^2 + 3 \times \theta^3$					

37

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 3753$	$\lambda_\circ = 3751$	$\lambda_{peak} = 3748$	$\lambda_{gauss} = 3753$	3755	3775	3752	3755	3773	3768
WHM = 93	W10% = 270	W80% = 50	FWHM = 125	[135]	[128]	[127]	[122]	[137]	[186]
$W_\circ = 133$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.32\ ^{1.31}_{1.36}$	$a = {}^{0.970}_{0.971}\ b = {}^{1.743}_{1.734}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 96$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.53\ ^{1.51}_{1.60}$	$a = {}^{0.970}_{0.971}\ b = {}^{1.745}_{1.737}$	*Sun*	3743	3744	3737	3739	3751	3744
$I_{asym} = -0.88$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.82\ ^{1.76}_{1.93}$	$\frac{A(\lambda)}{E(B-V)}$:	$(4.674, 0.083)^{r=1.00}_{B3}$	$(5.023, 0.106)^{r=1.00}_{Sun}$		$(5.712, 0.089)^{r=1.00}_{M2}$			
$I_{kurt} = 4.42$	$\lambda_{eff} = 3751.1 + 8.5 \times E(B-V)$ r=1.00			$W_{eff} = 133.5 - 1.3 \times E(B-V)$ r=–0.97					
	$\lambda_{eff}(T) = 3740 + 35 \times \theta + 5 \times \theta^2 - 5 \times \theta^3$			$W_{eff}(T) = 132 + 6 \times \theta - 11 \times \theta^2 + 1 \times \theta^3$					

40

				B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4064$	$\lambda_\circ = 4032$	$\lambda_{peak} = 4069$	$\lambda_{gauss} = 4063$	4029	4045	4052	4067	4085	4055
WHM = 200	W10% = 390	W80% = 125	FWHM = 222	[231]	[230]	[230]	[218]	[192]	[154]
$W_\circ = 236$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.27\ ^{1.26}_{1.31}$	$a = {}^{0.983}_{0.984}\ b = {}^{1.464}_{1.447}$	*B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 138$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.44\ ^{1.42}_{1.51}$	$a = {}^{0.984}_{0.984}\ b = {}^{1.439}_{1.426}$	*Sun*	4024	4026	3956	4021	4029	4025
$I_{asym} = -1.94$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.68\ ^{1.63}_{1.78}$	$\frac{A(\lambda)}{E(B-V)}$:	$(4.411, 0.075)^{r=1.00}_{B3}$	$(4.715, 0.098)^{r=1.00}_{Sun}$		$(5.348, 0.084)^{r=1.00}_{M2}$			
$I_{kurt} = 6.35$	$\lambda_{eff} = 4033.3 + 14.2 \times E(B-V)$ r=1.00			$W_{eff} = 236.7 - 3.8 \times E(B-V)$ r=–0.98					
	$\lambda_{eff}(T) = 4007 + 81 \times \theta - 19 \times \theta^2 - 2 \times \theta^3$			$W_{eff}(T) = 233 + 20 \times \theta - 40 \times \theta^2 + 10 \times \theta^3$					

(continues) ⇒