

CATALOGUE OF ENERGY DISTRIBUTIONS IN SPECTRA OF RADIATION OF STARS IN THE VISIBLE RANGE

Edited by A.V. Dragunova

RI "Astronomical Observatory" of I.I.Mechnikov Odessa National University
Marazliyivs'ka st., 1v.
Odesa, 65014
cygnus2008@ukr.net

КАТАЛОГ РАСПРЕДЕЛЕНИЙ ЭНЕРГИИ В СПЕКТРАХ ИЗЛУЧЕНИЯ ЗВЕЗД В ВИДИМОМ ДИАПАЗОНЕ

Под редакцией А.В.Драгуновой

Abstract. The spectral energy distributions $E\lambda$ for 360 stars in wavelength region from $\lambda 330$ to $\lambda 725$ nm are presented in a digital type.

Key words: Stars: energy distributions, catalogue.

The catalogue (Komarov, et al, 1998) of energy distributions in the spectra of radiation of stars in the visible range is submitted in a digital type for convenience of use in calculations.

Table 1 contains the List of stars. The names of columns are standard: № is the order number, BS is the number of BS catalogue, GC is the number of GC catalogue, Name is the name of star, V is the stellar magnitude, Sp is the spectral type.

Table 1. List of stars in the catalog

№	BS	GC	Name	V	Sp
1	15	127	α And	2.07	B8 IVp
2	21	147	β Cas	2.27	F2 IV
3	39	238	γ Peg	2.82	B2 IV
4	63	334	θ And	4.60	A2 V
5	114	583	28 And	5.23	A7 III
6	153	727	ζ Cas	3.66	B2 IV
7	163	759	ε And	4.36	G6 III
8	165	774	δ And	3.27	K3 III
9	168	792	α Cas	2.23	K0 III
10	188	865	β Cet	2.04	K0 III
11	219	962	η Cas	3.44	F9V+dM0
12	253	1086	ν^1 Cas	4.82	K2 III
13	265	1115	ν^2 Cas	4.62	G8 III
14	269	1122	μ And	3.86	A5 V

№	BS	GC	Name	V	Sp
15	334	1384	η Cet	3.44	K2 III
16	337	1400	β And	2.06	M0 III
17	402	1695	θ Cet	3.61	K0 III
18	403	1715	δ Cas	2.69	A5 III-IV
19	437	1839	η Psc	3.62	G7 III
20	458	1948	υ And	4.09	F8 V
21	483	2050	-	4.96	G2 V
22	496	2102	φ Per	4.07	B2 Vep
23	509	2123	τ Cet	3.49	G8 V
24	542	2289	ε Cas	3.37	B3 III
25	544	2272	α Tri	3.40	F6 IV
26	545/6	2290/1	γ ^{1,2} Ari	3.88	B9 V+A1p
27	553	2309	β Ari	2.64	A5 V
28	580	2445	50 Cas	3.98	A2 V
29	595/6	2452	α Psc	3.82	A3m+A0p
30	603/4	2477/9	γ ^{1,2} And	2.10	K3 II
31	613	2527	κ Ari	5.04	A2m
32	617	2538	α Ari	2.00	K2 III
33	622	2572	β Tri	3.00	A5 III
34	660	2733	δ Tri	4.86	G0 V
35	664	2742	γ Tri	4.00	A1 Vnn
36	707	2952	ι Cas	4.52	A5p
37	779	3192	δ Cet	4.06	B2 IV
38	804	3276	γ Cet	3.46	A2 V
39	834	3390	η Per	3.77	K3 Ib-II
40	838	3391	c Ari	3.63	B8 Vn
41	896	3595	λ Cet	4.70	B5 III
42	911	3643	α Cet	2.52	M2 III
43	937	3740	ι Per	4.05	G0 V
44	984	3899	ζ Eri	4.80	A5m
45	1017	4041	α Per	1.80	F5 Ib
46	1030	4070	ο Tau	3.60	G6 III
47	1038	4107	ξ Tau	3.72	B8 Vn
48	1087	4287	ψ Per	4.23	B5 Ve
49	1122	4427	δ Per	3.03	B5 IIIe
50	1131	4461	ο Per	3.83	B1 III
51	1140	4475	16 Tau	5.45	B7 IV
52	1142	4477	17 Tau	3.69	B6 III
53	1149	4500	20 Tau	3.88	B7 III
54	1165	4541	η Tau	2.87	B7 III
55	1178	4586	27 Tau	3.63	B8 III
56	1228	4779	ξ Per	4.03	O7 III
57	1251	4862	ν Tau	3.90	A1 V
58	1273	4967	υ Per	4.03	B3 Ve
59	1303	5099	μ Per	4.13	G0 Ib
60	1329	5172	ω Tau	4.96	A3m

№	BS	GC	Name	V	Sp
61	1389	5354	68 Tau	4.30	A2 IV
62	1396	5383	π Tau	4.70	G8 III
63	1409	5430	ε Tau	3.54	K0 III
64	1411	5433	θ^1 Tau	3.85	K0 III
65	1412	5436	θ^2 Tau	3.41	A7 III
66	1414	5443	b Tau	5.02	A7 V
67	1457	5605	α Tau	0.86	K5 III
68	1458	5599	d Tau	4.25	A5m
69	1463	5617	v Eri	3.92	B2 III
70	1478	5662	σ^1 Tau	5.07	A4m
71	1483	5669	-	5.00	A3 V
72	1497	5716	τ Tau	4.28	B3 V
73	1520	5796	μ Eri	4.02	B5 IV
74	1543	5875	π^3 Ori	3.18	F6 V
75	1552	5911	π^4 Ori	3.68	B2 III
76	1556	5942	ρ^1 Ori	4.72	M3 IV
77	1567	5978	π^5 Ori	3.73	B2 III
78	1580	6025	ρ^2 Ori	4.08	K2 III
79	1601	6068	π^6 Ori	4.46	K2 II
80	1641	6226	η Aur	3.17	B3 V
81	1656	6255	m Tau	5.00	G4 IV
82	1666	6274	β Eri	2.77	A3 III
83	1689	6375	μ Aur	4.86	A4 Vm
84	1698	6381	ρ Ori	4.46	K1 III
85	1708	6427	α Aur	0.06	G5 IIIe+G0 III
86	1713	6410	β Ori	0.12	B8 Ia
87	1729	6494	λ Aur	4.72	G0 V
88	1735	6480	τ Ori	3.58	B5 III
89	1756	6531	λ Lep	4.29	B0 III
90	1784	6646	e Ori	4.12	G8 III
91	1788	6655	η Ori	3.32	B1 V+B2e
92	1790	6668	γ Ori	1.64	B2 III
93	1791	6681	β Tau	1.65	B7 III
94	1834	6792	CI Ori	4.70	K5 III
95	1839	6813	A Ori	4.20	B5 IV
96	1852	6847	δ Ori	2.21	O9 II
97	1865	6875	α Lep	2.57	F0 Ib
98	1879	6915	λ Ori	3.54	O8 III
99	1899	6937	ι Ori	2.76	O9 III
100	1903	6960	ε Ori	1.70	B0 Ia
101	1907	6972	φ^2 Ori	4.09	K0 III
102	1910	6985	ζ Tau	2.98	B4 IIIpe
103	1931	7031	σ Ori	3.81	O9 V
104	1948/9	7089	ζ Ori	1.75	O9 Ib
105	1998	7247	ζ Lep	3.54	A3 Vn
106	2002	7283	132 Tau	4.86	G8 III

№	BS	GC	Name	V	Sp
107	2004	7264	κ Ori	2.08	B1 Ia
108	2047	7419	χ ¹ Ori	4.40	G0 V
109	2088	7543	β Aur	1.90	A2 IV
110	2095	7557	θ Aur	2.62	A0p
111	2108	7565	2 Mon	5.03	A6 III
112	2286	8208	μ Gem	2.89	M3 III
113	2294	8223	β CMa	1.98	B1 II-III
114	2356/7	8412	β Mon	3.80	B3 Ve
115	2421	8633	γ Gem	1.93	A1 IV
116	2429	8624	ν ² CMa	3.95	K1 III
117	2443	8660	ν ³ CMa	4.43	K1 II-III
118	2473	8786	ε Gem	2.99	G8 Ib
119	2484	8823	ξ Gem	3.35	F5 III
120	2491	8833	α CMa	-1.47	A1 Vm
121	2657	9320	γ CMa	4.10	B8 II
122	2777	9755	δ Gem	3.52	F2 IV
123	2845	9947	β CMi	2.89	B8 V
124	2852	9987	ρ Gem	4.17	F0 V
125	2890/1	10120	α Gem	1.58	A1 Vm
126	2943	10277	α CMi	0.33	F5 IV-V
127	2973	10373	σ Gem	4.28	K1 III
128	2985	10403	κ Gem	3.57	G8 III
129	2990	10438	β Gem	1.14	K0 III
130	3176	11021	μ Cnc	5.30	G2 IV
131	3323	11593	ο UMa	3.35	G5 III
132	3475	12083	ι ¹ Cnc	4.03	G8 II
133	3482	12102	ε Hya	3.37	G5 III
134	3547	12327	ζ Hya	3.11	G9 II- III
135	3569	12407	ι UMa	3.15	A7 V
136	3572	12406	α Cnc	4.24	A5 m
137	3594	12503	κ UMa	3.59	A1 Vn
138	3612	12565	-	4.56	G8 Ib
139	3619	12604	f UMa	4.47	F0 IVm vs
140	3624	12646	τ UMa	4.67	F3 IIIIm vs
141	3665	12743	θ Hya	3.88	A0 V
142	3731	12972	κ Leo	4.46	K2 III
143	3748	13044	α Hya	1.99	K3 III
144	3757	13109	h UMa	3.65	F0 IV
145	3773	13143	λ Leo	4.31	K5 III
146	3775	13157	θ UMa	3.18	F6 IV
147	3800	13203	10 Lmi	4.55	G8 III
148	3809	13221	-	4.81	K0 III
149	3852	13366	ο Leo	3.48	F6 II+A5 V
150	3873	13443	ε Leo	2.97	G0 II
151	3888	13540	υ UMa	3.79	F2 IV
152	3903	13570	υ ¹ Hya	4.10	G8 III

№	BS	GC	Name	V	Sp
153	3905	13590	μ Leo	3.89	K2 III
154	3950	13755	π Leo	4.70	M2 III
155	3975	13899	η Leo	3.53	A0 Ib
156	3980	13911	A Leo	4.37	K4 III
157	3982	13926	α Leo	1.36	B7 V
158	3994	13982	λ Hya	3.61	K0 III
159	4031	14107	ζ Leo	3.44	F0 III
160	4033	14113	λ UMa	3.46	A2 IV
161	4054	14170	40 Leo	4.80	F6 IV
162	4057/8	14177	$\gamma^{1,2}$ Leo	1.97	K0 III
163	4069	14232	μ UMa	3.03	M0 III
164	4100	14358	β Lmi	4.20	G9 III
165	4133	14487	ρ Leo	3.84	B1 Ib
166	4166	14624	37 Lmi	4.71	G2 II
167	4288	15128	49 UMa	5.07	F0 V s
168	4291	15125	d Leo	4.84	K1 III
169	4295	15145	β UMa	2.38	A1 V
170	4299	15151	ρ Leo	4.74	M0 III
171	4300	15162	b Leo	4.41	A1 m
172	4301	15185	α UMa	1.79	K0 III
173	4310	15235	κ Leo	4.62	F2 III-IV
174	4335	15340	ϕ UMa	3.00	K1 III
175	4357	15438	δ Leo	2.56	A4 V
176	4359	15441	θ Leo	3.34	A2 V
177	4368	15511	ϕ Leo	4.46	A7 IVn
178	4374	15537	ξ UMa	3.79	G0 V
179	4382	15567	δ Crt	3.56	G8 III-IV
180	4399	15652	ι Leo	3.94	F4 IV
181	4434	15799	λ Dra	3.83	M0 III
182	4471	15927	v Leo	4.30	G9 III
183	4514	16112	ζ Crt	4.72	G8 III
184	4517	16135	v Vir	4.02	M1 III
185	4527	16173	93 Leo	4.54	G5 IVe+A7 V
186	4534	16189	β Leo	2.13	A3 V
187	4540	16215	β Vir	3.61	F8 V
188	4554	16268	γ UMa	2.43	A0 Ve
189	4608	16512	o Vir	4.14	G8 III
190	4660	16736	δ UMa	3.30	A3 V
191	4662	16740	γ Crv	2.59	B8 IIIp
192	4689	16813	η Vir	3.88	A2 V
193	4716	16906	5 CVn	4.78	G7 III
194	4733	16955	14 Com	4.93	F0p
195	4752	17012	A Com	5.30	A1 IVp
196	4757	17029	δ Crv	2.95	B9 V
197	4785	17127	β CVn	4.26	G0 V
198	4813	17227	χ Vir	4.65	K2 III

№	BS	GC	Name	V	Sp
199	4825/6	17270	γ Vir	2.75	F0 V
200	4847	17346	d ² Vir	5.20	F0 III _m
201	4883	17455	31 Com	4.94	G0 III
202	4902	17516	ψ Vir	4.80	M3 III
203	4905	17518	ε UMa	1.79	A0p
204	4910	17543	δ Vir	3.37	M3 III
205	4915	17557	α^2 CVn	2.89	A0p
206	4920	17616	36 Com	4.78	M0 III
207	4924	17647	37 Com	4.89	G9 II-III
208	4932	17687	ε Vir	2.83	G9 III
209	4983	17874	β Com	4.26	G0 V
210	5011	17975	e Vir	5.22	G0 V _s
211	5017	18000	20 CVn	4.72	F3 III
212	5068	18181	69 Vir	4.75	K1 III
213	5072	18212	70 Vir	4.98	G5 V
214	5105	18335	o Vir	4.93	A1 p
215	5107	18351	ζ Vir	3.37	A3 V
216	5127	18421	25 CVn	4.83	A7 III
217	5154	18504	83 UMa	4.66	M2 III
218	5185	18637	τ Boo	4.50	F7 V
219	5191	18643	η UMa	1.89	B3 V
220	5226	18750	i Dra	4.65	M3 III
221	5235	18805	η Boo	2.67	G0 IV
222	5313	19157	-	5.00	A0 V _p
223	5315	19168	κ Vir	4.18	K3 III
224	5338	19244	i Vir	4.08	F6 III
225	5359	19311	λ Vir	4.52	A2 _m
226	5404	19467	θ Boo	4.06	F7 V
227	5409	19504	φ Vir	4.80	G2 III
228	5429	19597	ρ Boo	3.57	K3 III
229	5435	19607	γ Boo	3.04	A7 III
230	5477/8	19777	ζ Boo	3.78	A2 III
231	5487	19816	μ Vir	3.87	F3 IV
232	5502	19858	o Boo	4.60	K0 III
233	5505/6	19856	ε Boo	2.37	K0 II-III
234	5511	19884	109 Vir	3.74	A0 V
235	5531	19975	α^2 Lib	2.75	A3 V
236	5544	19991	ξ Boo	4.55	G8 Ve+K4 Ve
237	5563	20029	β UMi	2.08	K4 III
238	5600	20224	ω Boo	4.80	K4 III
239	5602	20226	β Boo	3.49	G8 III
240	5616	20285	ψ Boo	4.52	K2 III
241	5681	20523	δ Boo	3.48	G8 III
242	5727/8	20696	η CrB	4.97	G2 V
243	5735	20692	γ UMi	3.04	A3 II-III
244	5747	20795	β CrB	3.67	FO p

№	BS	GC	Name	V	Sp
245	5778	20908	θ CrB	4.16	B6 V _{ne}
246	5793	20947	α CrB	2.27	A0 V+G5 V
247	5854	21158	α Ser	2.64	K2 III
248	5868	21201	λ Ser	4.43	G0 V
249	5881	21269	μ Ser	3.54	A0 V
250	5889	21276	δ CrB	4.62	G5 III-IV
251	5892	21288	ε Ser	3.71	A5 V _m
252	5914	21340	χ Her	4.61	F9 V
253	5933	21408	γ Ser	3.85	F6 V
254	5968	21527	ρ CrB	5.41	G0 V
255	5971	21534	ι CrB	4.99	A0 _p
256	5984/5	21609/10	β ^{1,2} Sco	2.62	B1 V
257	6018	21733	τ CrB	4.79	K0 III
258	6031	21780	ψ Sco	4.93	A2 V
259	6056	21838	δ Oph	2.73	M1 III
260	6075	21920	ε Oph	3.23	G8 III
261	6092	21987	τ Her	3.89	B5 IV
262	6095	22012	γ Her	3.76	A9 III
263	6129	22134	υ Oph	4.64	A3 _m
264	6132	22101	η Dra	2.73	G8 III
265	6148	22193	β Her	2.78	G8 III
266	6149	22203	λ Oph	3.81	A0 V+A4 V
267	6175	22332	ζ Oph	2.57	O9 V _n
268	6212	22464	ξ Oph	2.81	G0 IV
269	6220	22502	η Her	3.53	G8 III-IV
270	6299	22862	κ Oph	3.20	K2 III
271	6324	22935	ε Her	3.91	B9 V
272	6378	23158	η Oph	2.43	A2 V
273	6396	23182	ζ Dra	3.18	B6 III
274	6406/7	23277	α ^{1,2} Her	3.06	M5 I-II
275	6410	23294	δ Her	3.14	A3 IV
276	6418	23302	π Her	3.16	K3 II
277	6458	23446	ω Her	5.40	G0 V
278	6493	23617	47 Oph	4.53	F3 V
279	6536	23741	β Dra	2.80	G2 II
280	6556	23837	α Oph	2.07	A5 III
281	6588	23965	ι Her	3.80	B3 IV
282	6603	24048	β Oph	2.77	K2 III
283	6623	24138	μ Her	3.41	G5 IV
284	6629	24162	γ Oph	3.73	A0 V _{np}
285	6698	24468	ν Oph	3.34	K0 III
286	6703	24448	ξ Her	3.70	G8 III
287	6705	24432	γ Dra	2.23	K5 III
288	6752	24641	ο Oph	4.03	K0 V
289	6771	24695	72 Oph	3.73	A4 V _s
290	6779	24711	ο Her	3.83	B9 V

№	BS	GC	Name	V	Sp
291	6789	24236	δ UMi	4.35	A1Vn
292	6852	24980	-	5.93	B9 III
293	6869	25046	η Ser	3.26	K0 III-IV
294	6927	25122	κ Dra	3.56	F7 V
295	7056	25676	ζ ¹ Lyr	4.35	A4m
296	7069	25734	111 Her	4.35	A3 V
297	7176	26091	ε Aql	4.02	K2 III
298	7178	26086	γ Lyr	3.25	B9 III
299	7235	26270	ζ Aql	2.99	B9 Vn
300	7236	26285	λ Aql	3.44	B8 Vn
301	7310	26520	δ Dra	3.07	G9 V
302	7314	26585	θ Lyr	4.35	K0 II
303	7377	26816	δ Aql	3.36	F3 IV
304	7387	26838	ν Aql	4.66	F2 Ib
305	7417	26953	β Cyg	3.08	K3 II+B9 V
306	7420	26947	ι Cyg	3.79	A5 Vn
307	7469	27141	θ Cyg	4.49	F5 IV
308	7488	27236	β Sge	4.37	G8 II
309	7528	27347	δ Cyg	2.87	B9 IV+F1 V
310	7557	27470	α Aql	0.75	A7 IV-V
311	7560	27480	ο Aql	5.13	F8 V
312	7569	27510	-	6.13	G0 V
313	7602	27587	β Aql	3.71	G8 IV
314	7615	27622	η Cyg	3.90	K0 III
315	7653	27753	15 Vul	4.63	A4 III
316	7710	28010	θ Aql	3.24	B9 III
317	7796	28338	γ Cyg	2.21	F8 Ib
318	7850	28541	θ Cep	4.20	A7 III
319	7852	28593	ε Del	4.04	B6 III
320	7882	28709	β Del	3.63	F5 III
321	7906	28780	α Del	3.76	B9 IV
322	7924	28846	α Cyg	1.25	A0 Ia
323	7949	28959	ε Cyg	2.46	K0 III
324	7950	28978	ε Aqr	3.77	A1V
325	7957	28962	η Cep	3.42	K0 IV
326	7984	29066	56 Cyg	5.05	A4m
327	7990	29109	μ Aqr	4.72	Am
328	8001	29150	57 Cyg	4.78	B5 V
329	8028	29251	ν Cyg	3.93	A0 Vn
330	8079	29459	ξ Cyg	3.72	K5 Ib
331	8115	29661	ζ Cyg	3.19	G8 II
332	8162	29848	α Cep	2.43	A7 IV-V
333	8232	30137	β Aqr	2.88	G0 Ib
334	8238	30118	β Cep	3.23	B2 III
335	8278	30320	γ Cap	3.68	F0p
336	8308	30431	ε Peg	2.40	K2 Ib

№	BS	GC	Name	V	Sp
337	8322	30491	δ Cap	2.87	Am
338	8335	30512	π^2 Cyg	4.23	B3 III
339	8410	30872	32 Aqr	5.29	A5m
340	8414	30896	α Aqr	2.96	G2 Ib
341	8430	30932	ι Peg	3.76	F5 V
342	8450	31013	θ Peg	3.52	A2 Vp
343	8465	31044	ζ Cep	3.36	K1 Ib
344	8469	31066	λ Cep	5.03	O6 I
345	8494	31135	ε Cep	4.20	F0 IV
346	8518	31257	γ Aqr	3.84	A0 IV
347	8585	31471	α Lac	3.75	A0 V
348	8597	31534	η Aqr	4.03	B8 Vn
349	8634	31664	ζ Peg	3.39	B8 V
350	8650	31706	η Peg	2.96	G2 II+F0 V
351	8684	31851	μ Peg	3.48	G8 III
352	8694	31857	ι Cep	3.50	K1 III
353	8709	31943	δ Aqr	3.27	A2 III
354	8762	32095	o And	3.62	B6 III+A2p
355	8781	32149	α Peg	2.50	B9 V
356	8815	32252	57 Peg	5.12	M4 III+A2 V
357	8830	32316	7 And	4.52	F0 V
358	8911	32620	κ Psc	4.92	A0p
359	8961	32832	λ And	3.75	G8 III
360	8974	32875	γ Cep	3.22	K1 IV

The spectral energy distributions $E\lambda$ are presented in [Table 2](#) as Excel table. BS catalogue numbers of stars are given in first line of table and wavelengths are given in first column.

The energy distributions in stellar spectra at the spectral region 330-725 nm are given in watt per square meter per 1 meter wavelength range.

References:

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