THE ENERGY DISTRIBUTIONS IN SPECTRA OF 111 LATE TYPE STARS

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The energy distributions data in the spectra of 111 late-type stars have been obtained in the spectral range 320–790 nm with the resolution near 3 nm. The observations were completed by means of the stellar scanning spectrophotometer mounted on the 80-cm telescope at the Crimean Astrophysical Observatory. The absolute calibration is based on the energy distribution of Vega published by Hayes (1985).

In 1990–1996 the observations of stellar radiation were completed in the Crimean Astrophysical Observatory by means of the scanning spectrophotometer mounted on the 80-cm telescope in the spectral range 320–790 nm with the resolution near 3 nm (Burnashev *et al.*, 1996). The energy distribution in the spectrum of the BS 8585 star obtained by authors was used for the absolute calibration. The absolute calibration based on the energy distribution of Vega is published by Hayes (1985).

The stellar spectrophotometric catalogue contains of the energy distributions data of 111 stars. The list of BS and HD numbers of stars and number of observations for each star is given. The comparison of these data with the published ones was done (Kharitonov *et al.*, 1988; Glushneva *et al.*, 1982; Komarov *et al.*, 1995; Alekseeva *et al.*, 1997). The mean discrepancies not exceed 5% in the spectral range 400–700 nm, and are of about 10% at the edges of the observed spectral range.

Table 1: The list of catalogue stars (BS or HD numbers and the number of the observations)

BS	*BS*	*BS*	*BS/HD*	*BS*	*BS*	*BS*	*BS/HD*
163(6)	5602(10)	7314(6)	8252(8)	918(8)	6688(8)	7660(8)	8780(6)
253(4)	5635(6)	7328(8)	8308(8)	937(8)	6695(10)	7685(14)	8796(8)
265(8)	5681(10)	7462(10)	8313(8)	941(6)	6705(10)	7744(4)	8819(6)
294(8)	5823(8)	7479(10)	8317(6)	1101(8)	6853(8)	7770(4)	8832(12)
351(6)	5868(6)	7488(8)	8414(8)	1346(8)	6860(6)	7834(8)	8852(8)
402(4)	5889(6)	7503(6)	8426(10)	1409(4)	6895(6)	7897(6)	8878(6)
437(10)	5968(8)	7504(6)	8430(8)	1411(8)	6927(8)	7995(12)	8916(10)
464(12)	6132(8)	7525(8)	8498(10)	1907(8)	6945(10)	8079(6)	8930(10)
483(6)	6152(8)	7576(10)	8538(10)	2012(4)	7061(4)	8085(4)	8943(4)
617(8)	6200(6)	7582(6)	8551(8)	3905(6)	7125(10)	8086(6)	9008(4)
649(10)	6299(6)	7602(8)	8626(10)	4932(10)	7192(6)	8089(8)	9088(10)
774(6)	6536(6)	7606(14)	8632(8)	5102(4)	7218(6)	8173(8)	HD
799(8)	6574(6)	7615(10)	8667(8)	5464(10)	7300(6)	8228(6)	122563(12)
834(6)	6623(6)	7635(8)	8694(8)	5502(8)	7310(6)	8232(14)	151937(10)

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