

## SOME PHYSICAL PARAMETERS AND $UVBY\beta$ PHOTOMETRY OF TRAPEZIUM TYPE MULTIPLE SYSTEMS

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The present paper deals with the results of electrophotometric observations of 59 components of 19 trapezia in the Stroemgren and Crawford six-colour photometric system.

Trapezium type multiple systems have been selected from the Abastumani Catalogue of Trapezia (Salukvadze, 1978). They are: ABAO 2,8,34,48,51,62,75,94,245,312,313,316,324,348,356,363,387,396.

Observations were made on the 125-cm telescope with the use of a one-channel photometer based on photon counting with diaphragms 10" and 20". Reduction was done on the Abastumani Observatory computer. The procedure is the same as the one described in the paper (Salukvadze and Javakhishvili, 1989).

We calculated the indices  $[m_1]$ ,  $[c_1]$  and  $[u-b]$  from the relations given in the papers (Stroemgren, 1967, Philip and Egret, 1980). The unreddening indices  $(b-y)$ ,  $m_1$ ,  $c_1$  were calculated by the formulae obtained by Crawford (1975).

Semi-empirical calibrations for effective temperature, bolometric correction and mass for early-type stars, using Stroemgren photometric indices  $c_0$  and  $\beta$ , are given in the paper (Balona, 1984). In order to determine absolute magnitudes we used the Balona and Shobbrook (1984) calibration.

### References

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