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THE VARIABILITY OF BD+60°562

This star was chosen as a comparison star for photoelectric observations of LSI +61°303 together with two other stars, whose data are listed in Table I.

Table I. Data about the observed stars

| | SP | V | B-V | U-B | Source |
|----------------|---------|----------|-------|-------|----------------|
| ED+60°562(Var) | | 10.02var | +0.43 | + .39 | this paper |
| BD+60°493(A) | B 0.5Ia | 8.44 | +0.79 | -0.30 | Hiltner (1956) |
| BD+60°497(B) | 07 | 8.80 | +0.57 | -0.48 | Hiltner (1956) |

The instrument used was the 60 cm telescope of Bologna Observatory equipped with the three channel UBV photometer described by Piccioni (1972).

Table II. UBV photometry of BD+60°562

| JD- 2,440,000 | Var - A | | | Var - B | | | Adopted mean values | | |
|------------------|---------|------|------|---------|------|------|---------------------|-----|-----|
| | V | B | U | V | B | U | V | B-V | U-B |
| 4635.40 | 1.62 | 1.27 | 1.98 | 1.24 | 1.12 | 2.02 | 10.05 | .45 | .41 |
| 4638.38 | 1.62 | 1.27 | 1.97 | 1.24 | 1.10 | 1.99 | 10.05 | .44 | .40 |
| 4860.46 | 1.60 | 1.23 | 1.88 | 1.23 | 1.10 | 1.93 | 10.04 | .43 | .35 |
| 4863.43 | 1.57 | 1.21 | | 1.22 | 1.08 | | 10.01 | .44 | |
| 4865.38 | 1.51 | 1.12 | 1.79 | 1.14 | .96 | 1.87 | 9.95 | .39 | .40 |

In Table II we report the differences in magnitude corrected for differential extinction using mean seasonal coefficients, taking into account also the colour effects of the atmosphere. The differences in magnitude

have been transformed to the UB V international system by equations obtained from the photometry of some standard stars. On every night about 8 measurements were made; the standard error of the mean is of the order of 0.^m01 in V and B , of 0.^m02 in U , but in addition systematic calibration error of 0.^m03 in V and B and 0.^m06 in U could be produced by the transformation to UB V system.

Nothing can be guessed about the type of variability of BD +60^o562; since its $U-B$ index is positive, it is surely less reddened than the two comparison stars and it has a later spectral type.

C. BARTOLINI, P. CUSTODI
F. DELL'ATTI, A. GUARNIERI
A. PICCIONI
Osservatorio Astronomico
Bologna University - Italy

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