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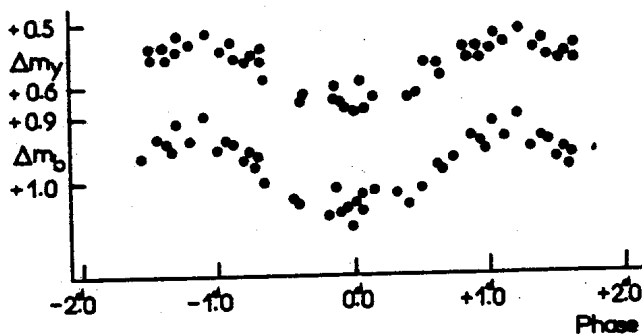
NEW MICROVARIABLE HD 117555

According to P. W. Merrill⁽¹⁾ the star HD 117555 has rather large rotational velocity ($v \sin i = 75 \text{ km/sec}$), the spectral class being gG. H_{α} and CaII H and K are in emission. It was found also that the profiles of emission lines vary with a period of about 5 days⁽²⁾.

We have obtained photoelectric observations of HD 117555. The star was observed during May-August 1966. The photometer equipped with blue and yellow filters on the 64-cm telescope was used. The comparison stars were HD 117567 and HD 117876.

We conclude that the light of HD 117555 varies periodically, the elements of variation being:

$$\text{Min. hel.} = 2439298.818 + 2.412 \text{ E.}^d$$



The light curves obtained are given in the figure where Δm_y and Δm_b are magnitude differences in the yellow and blue light with respect to HD 117567.

The type of variability as well as the properties of the star (high rotation and late spectral class) are unusual.

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- (1) P. W. Merrill, 1948, Publ. Astron. Soc. of the Pacific, 60, 382.
- (2) G. H. Herbig, 1965, Private Communication.