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SIMULTANEOUS TWO-COLOUR OBSERVATION OF THE FLARE STAR EV Lac IN
AUGUST 1990

Photoelectric monitoring of flare star EV Lac was carried out on 27-28 August with the help of the two-channel photoelectric photometer attached on the Cassegrain focus of the 2.6 m telescope of Byurakan Astrophysical Observatory.

Registration was simultaneous in both U and B colours with time resolution 0.1 sec. Algorithm of the observations is described (Zalinian V. and Tovmassian H., 1987; Tovmassian H. and Zalinian V., 1988; Zalinian V., 1988).

On 29 August 1990 a flare of nearly 4 sec duration was recorded in U colour. The light curve and colours of flare are given in Figures 1 and 2. In Fig. 2 the light curve of the flare is averaged over 5 points. The light curve shows that the flare in U colour consists of two maxima, which are better visible in Fig. 2. Amplitudes of flare $\Delta U = 0^m.77$, time of increase 1.5 sec. The flare practically could not be observed in the B colour.

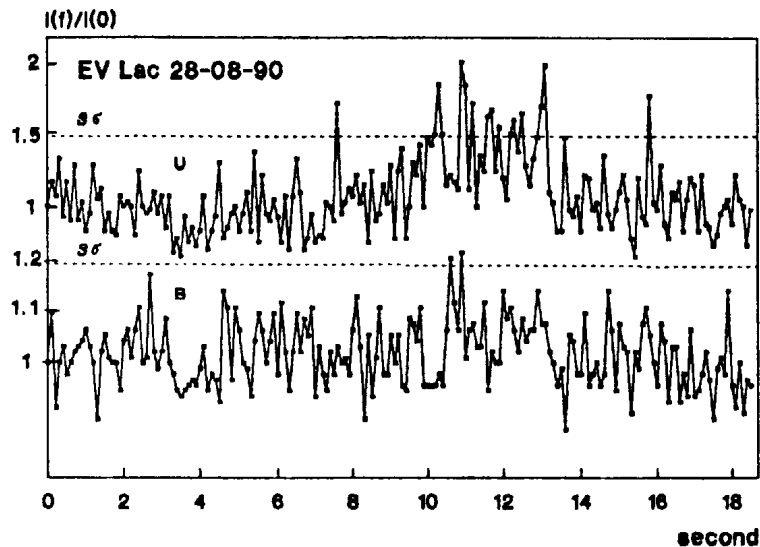


Figure 1

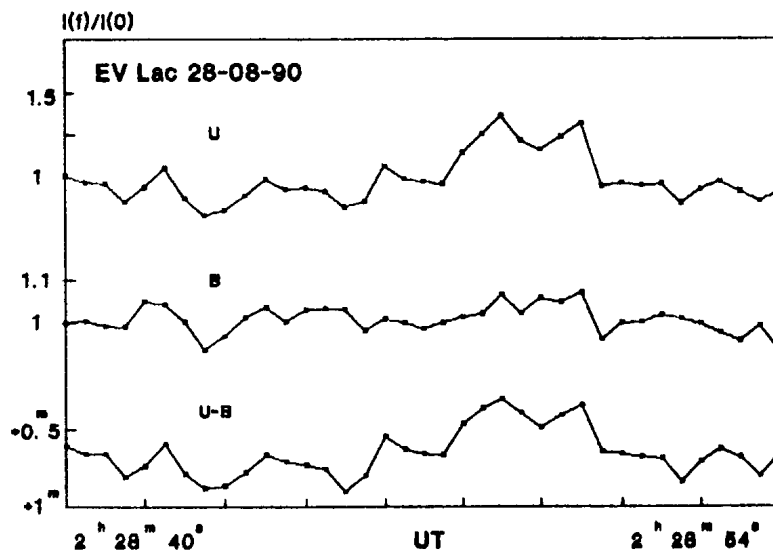


Figure 2

KARAPETIAN A., ZALINIAN V.
 Byurakan Astrophysical Observatory
 Byurakan, Armenia

References:

- Tovmassian, H., Zalinian, V.: 1988, *Astrofisica*, v.28, 131.
 Zalinian, V.: 1988, IBVS No. 3142.
 Zalinian, V., Tovmassian, H.: 1987, IBVS No. 2992.