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A NOTE ON X TRIANGULI

Photoelectric observations of some eclipsing variable stars were carried out at the Kryonerion Astronomical Station of the National Observatory of Athens during September 1983. The observations were made using a two-beam, multi-mode, nebular-stellar photometer attached to the 48-inch Cassegrain reflector.

The eclipsing binary X Tri was observed on 16/17 September. Then, at U.T. = 22^h50^m (J.D. = 2445594.4550) a flare like phenomenon was detected.

Figure 1 gives the observed Δm (in V) against Hel. J.D. As one can notice

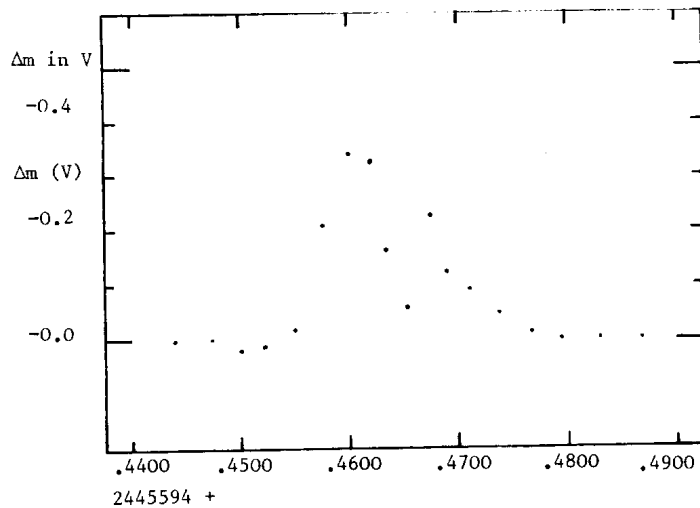


Figure 1

from it, there are two maxima and the whole phenomenon lasted for almost 35 minutes. Using the ephemeris:

$$\text{Min I (Hel. J.D.)} = 2437572.1994 + 0.9715382 E$$

(Kukarkin et al. 1969) the observed phenomenon corresponds to phases 0.2725 - 0.2975.

Photoelectric observations of X Tri will be continued firstly to obtain a complete light curve and secondly to find out if the observed phenomenon would be repeated, since an observable mass transfer appears in the system (Mallama, 1975).

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