
ABSTRACTS

- Some results of simultaneous meteor observations

(p. 17.)

In the simultaneous meteor observing camps in August 1983 273 suspected simultaneous meteors were registered. Altogether of 337 data groups 154 physically simultaneous meteors were identified. Because of the low accuracy of visual observations only 15% of the results seems to be real.

The distribution of the points of appearance and disappearance is shown on the histogram on p. 20. On the map of the radiants of real meteors (p. 21.) a square was chosen. The mean of the radiants, lying in this square is an approximate Perseid radiant: $\alpha \approx 46^{\circ}$; $\delta \approx 53^{\circ}7$.

- Upsilon Pegasids (p. 22.)

In the middle of July 1985 one of our observers, Csizsár Tibor (Pécs) registered a high activity from the square of Pegasus. The meteors arrived from the triangle of β, μ, δ Peg (see map), on 27/27th July between 21:25 and 02:00 UT they recorded 53 meteors, 27 of these arrived from Pegasus. The phenomenon can be in connection with the much debated Upsilon Pegasid shower, but there are only a few data.

- T Cephei 1970-1985 (p. 26.)

We determined a new period for Mira type variable, T Cep using 2169 visual estimates of Pleione Variable Star Observing Network. Using the method of Discreet Fourier Transformation, the actual period of T Cep is 394.166 days. We give an O-C curve for the star's maxima on p. 26., on which open circles are our data. It clearly shows a period increase for the last years. The light curve and a composite light curve are on p. 28. Both of them show the presence of "shoulders" on ascending branches. Their origin is the irregular pulsation caused by the convection or a shock-wave in the star's atmosphere.

- V CVn 1973-1984 (p. 31.)

The variations of SR type variable were studied from 1412 Hungarian visual estimates. The mean period is 192.6 days, the amplitude is 6.6 - 8.6 magnitudes. The ascending branch is considerably steeper than the descending one. We also observed "shoulders" on the light curve around 7.4 magnitude. For light curve see p. 32-33.

meteor

A TIT Csillagászat Baráti Köre megfigyelési tájékoztatója csillagászati
szakörök és észlelő amatőrcsillagászok számára

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