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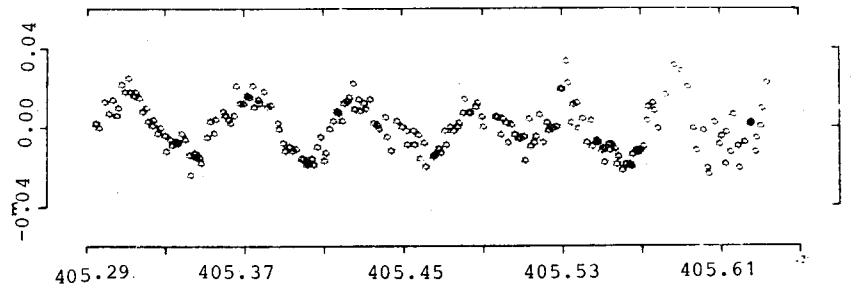
BD +28°1494: A NEW DELTA SCUTI STAR

Observing the eclipsing binary GW Gem by means of the 102 cm telescope of the Merate Observatory, as comparison stars were used BD +27°1497 and BD +28°1494. The latter was found to vary in brightness.

The light curve obtained in 1979 January 31 is shown in the accompanying Figure. Each point represents a single observation obtained in B light over a 20 sec integration period. These measurements can be used to establish that the variation is periodic and even to derive an approximate period $P=1^h19^m$ and a total amplitude of about 0.035 mag. BD +28°1494 can be classified as a Delta Scuti type variable displaying short period, small amplitude variations and colour (B-V=+0.21) which characterize this class of variables.

A further analysis of the light variations, in particular to see if a second period is present in the pulsator, is to be carried out and will be published elsewhere.



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