

CLASSIFICATION OF TY HERCULIS

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The variability of TY Her was reported by Pickering (1909), who noted that the star, whose spectrum was M0, had the photographic peak-to-peak amplitude of 0.8 mag. 53 visual observations, obtained in 1920-23 by Zakharov (1953), showed the same amplitude. But later photographic observations (Böhme, 1939; Gaposchkin, 1950; Zinner, 1952) did not reveal light variations exceeding 0.2 mag, and now this star is suspected in GCVS-IV as a constant one.

We checked the HIPPARCOS photometric data for TY Her (HIP 81291) and found that it was not constant. Figure 1 indicates that the variability is real and there are slow quasi-periodic light variations within the interval of 0.5 mag.

Both the photometric behavior of TY Her, described above, and its spectrum show that, most likely, it is a semiregular variable of type SRB.

The research described here was supported in part by the Russian Foundation of Basic Research and the State Science and Technology Program "Astronomy".

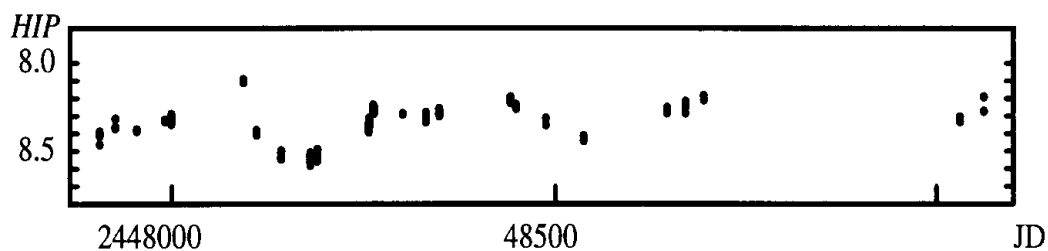


Figure 1.

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Zinner, E., 1952, *Astron. Nachr.*, **281**, 14