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THE ABSOLUTE MAGNITUDE OF AZ CANCRI

AZ Cancri was listed as a flare star by Haro and Chavira (1966); it (T4) had been discovered in 1964 in their search of the Praesepe region. They found it to flare by some 2.5 mag. in the U band, and assigned it a photographic magnitude of 18.9. Later observations have been made by Jankovics (1973) and Jankovics, Tsvetkova, and Tsvetkov (1978), the latter reporting a flare of over six magnitudes in U. During literature searches for variable stars among the objects whose trigonometric parallaxes have been determined subsequent to the appearance of Miss Jenkins' 1963 supplement, the writers independently noted the close similarity in position of this star, which is contained in the first supplement to the 3rd edition of the GCVS, and a faint high-proper-motion star (LP 425-140=LHS 2034:  $\mu = 0''.908/\text{yr}$ ) discovered in 1963 by Luyten, and for which he later determined (Luyten 1965) a parallax of  $0''.139 \pm 0''.032$  (m.e.) from Palomar plates. Reference to the Luyten-Albers atlas of identification charts for the LHS stars and to a photograph of the field published by Haro, Chavira, and Gonzalez (1976) leaves little doubt as to the identity of the two objects.

Luyten now gives the star a magnitude of 18.6 pg, and with his parallax the star would have  $M_{pg} = +19.3$ , which would place it among the faintest stars known. It is No. 316.1 in Gliese's 1969 catalogue of the nearby stars. To our knowledge there are no available spectroscopic data.

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