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ON THE SUPPOSED PERIODICITY OF RZ PISCIIUM

Unpublished results of 113 photoelectric UBV observations, secured at Sonneberg Observatory during the years 1964 to 1974, and of approximately 850 brightness determinations (partly by E. Splittgerber) on Sonneberg sky patrol plates of the years 1929 to 1975 are not consistent with the elements given by Kardopolov and Filip'ev (1988) for photoelectric data of 20 nights of 1978. These authors' doubts on the reality of their period are thus supported. I suppose that their "mean light-curve" is the result of their data being too meagre.

Of course it can never be completely excluded that during a more or less short time interval some periodicity of brightness minima is effective in otherwise irregular variables. See for instance our very dense photoelectric series of SV Cephei (Wenzel 1969) or the behaviour of the central star of the bipolar planetary nebula NGC 2346. In both cases "eclipses" by temporary dust clouds, albeit different in origin, have been taken into consideration. At the later-type Is variables we should rather think of the well known spotted outer layers as an explanation of occasional quasiperiodic brightness changes. RZ Piscium (KO IV) with its large range ( $>2$  mag), however, needs much more dense observations for clearing up its nature, which is strange enough because of the star's rather large angular distance from the galactic equator alone.

Because of possible misunderstandings it might be dangerous to show the "mean light-curves" of RZ Piscium and IP Persei (see in this context Wenzel 1984) in connection with that of the genuine eclipsing star SY Cephei.

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