

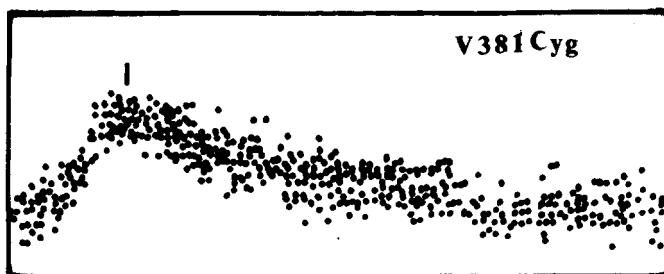
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V381 CYGNI AN RR LYRAE TYPE STAR

V381 Cygni is listed in the General Catalogue of Variable Stars as a Cepheid with a period of  $4^d.88$ . On the basis of 650 plates at the Maria Mitchell Observatory examined by a student, Beverly Kehoe, we have been unable to confirm this period. I have therefore independently analyzed the observations and find they are well represented by a reciprocal period of  $1^d.639305$  (Figure, where magnitudes are on an arbitrary scale). The resulting ephemeris is

$$\text{Max.} = 2439005.667 + 0^d.6100146 \cdot E.$$



This period turns out to be just one eighth of the one originally published by Beljowsky (1936). His indicated epoch of maximum (represented by the small vertical bar in the Figure) is also satisfied by the above relation.

The Nantucket observations span the years 1926 through 1976.

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Reference:

Beljowsky, S. 1936, Russian Variable Stars, Vol.5, p.36