

**THE SMALL-AMPLITUDE VARIABLE STAR HD 191495
IN THE OPEN CLUSTER NGC 6871**

The young open cluster NGC 6871 ($r = 1.8$ kpc) is one of the nuclei of the O,B association Cyg OB3. In this cluster, we observed nine stars as doubles in an attempt to detect the eclipsing effects by means of photoelectric B,V photometry (Zakirov and Petrov, 1988). The observations were obtained in 1986/87 with the 48 cm and 60 cm telescopes at Mt. Maidanak Observatory. After a careful analysis of our monitoring data, one of the stars, HD 191495 (Sp: B8V) was discovered to exhibit small amplitude variations. The light-curve of the star is shown in Figure 1 (Max = 8.40 V, A = 0.028 V, P = 0.789 d). The average signal-to-noise ratio for the curve is 4.5. We suggest that periodic sinusoidal variations of the variable are connected with axial rotation of the magnetic star (Ap), as in α^2 CVn.

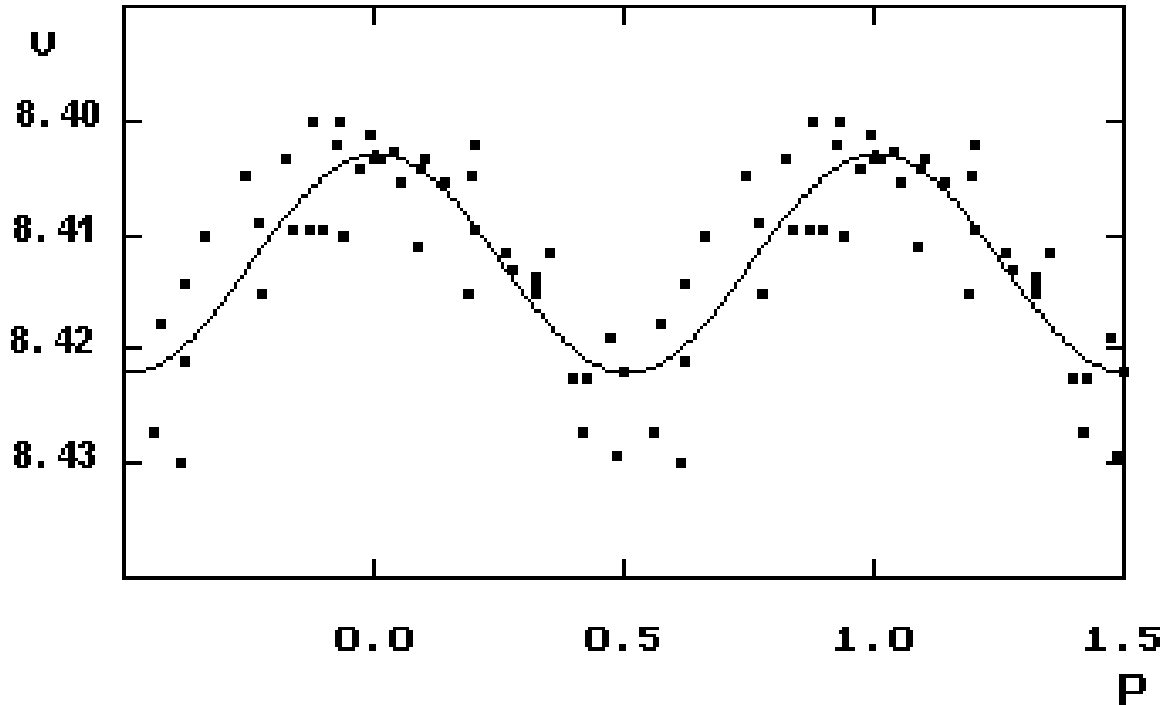


Figure 1. The light curve for HD 191495

One of us (MMZ) was supported by Fundamental Researches Fund of Uzbekistan (Contract 33).

Mamnun M. ZAKIROV
Gurgen C. ARZUMANYANTS
Mt. Maidanak Observatory of
Astronomical Institute
Astronomicheskaya,33
Tashkent, 700052, Uzbekistan
E-mail: mzakirov@silk.glas.apc.org

Reference:

Zakirov, M.M., Petrov, G.Yu., 1988, *Zircul. Astron. Inst. Tashkent*, No.130, 37