

## **MID-CYCLE OBSERVATIONS OF CR BOO AND ESTIMATION OF THE SYSTEM PARAMETERS**

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We present simultaneous observations (with Rozhen and Vidoevica telescopes) of the AM CVn star CR Boo in UBV bands. The data are obtained in two nights in July 2019, when the V band brightness was in the range 16.1 - 17.0 mag. In both nights a variability with a period of  $25\pm 1$  minutes and amplitude of about 0.2 magnitudes is visible. These brightness variations are most likely indications of “humps”. During our observational time, they appear with the period similar to the CR Boo orbital period. Possible reason of their origin is the phase rotation of the bright spot, placed in the contact point of the infalling matter and the outer disc edge.

We estimated some of the parameters of the binary system, on the base of the observational data.