

TOWARDS UNDERSTANDING OF THE β LYR NATURE: MAGNETIC FIELD
AND INVESTIGATION OF H_{α} AND $He I \lambda 7065$ EMISSION LINE DYNAMICS

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ABSTRACT. Brief results of high spectral resolution observations of β Lyr and S/N ratio in the region of H_{α} and He I λ 7065 emission lines are presented. The observations were carried out with the CCD-2000 and CCD-580 cameras at the 2.6 m Shain telescope. The main factors influencing the generation of these line profiles are revealed. In particular, an evident correlation of Doppler shifts of emission line centres upon phase variations of effective magnetic field intensity is detected. The structure of magnetic field of the bright and mass losing component does influence essentially the pattern of matter transfer and accretion in the close binary system β Lyr.