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ON THE CCD-STUDY OF THE RED DOUBLET OF IONIZED SILICON IN THE SPECTRUM OF $^{\beta}$ Lyr, radial velocities and magnetic field

M.Yu. SKULSKIJ*, S.I. PLACHIND**, Yu.F. MAL'KOV**

- * Lviv Polytechnical Institute, Lviv 290060, Ukraine
- ** Crimean Astrophysical Observatory, Nauchny 334413, Ukraine

ABSTRACT Spectral CCD observations of β Lyr in SiII 6347 A and 6371 A lines have been carried out. Radial velocity curves and masses of both companions (2.9 M_{\odot} and 13.2 M_{\odot} of the close binary system have been obtained. From Zeeman CCD-spectrograms a magnetic field of the bright component has been confirmed.