

THE MEASUREMENTS OF THE MAGNETIC FIELD OF THE
STAR β CrB IN λ 4254.33A CrI LINE.

Plachinda S. I.
Crimean Astrophysical Observatory
334413, Nauchny, Crimea, USSR.

ABSTRACT. From the observation of magnetic field of the star β CrB carried out in the peculiar line CrI λ 4294.33 A it has been stated, that two different curvet of the magnetic field are being observed (the effect of "commutation"). Both the curvet are modulated by the oscillations with the characteristic time five times shorter than the period of rotation. The maximum phases of these oscillations on one curve correspond to the minimum phases of other curvet. On the basis of geometrical simulation we suppose that the registered total magnetic field of the star it a superposition of the magnetic field of spots.