

DISCUSSION (Plachinda)

ADELMAN: What is the wavelength of the Cr I line used? Is it 4254 Å?

PLACHINDA: Yes.

ADELMAN: That line is blended on the longward side by some line(s) of unknown origin in β CrB and other Ap stars. I believe there are better lines on which to make such measurements. I am concerned about the effects of the blending component(s) on all measurements of the magnetic field which use Cr I 4254 Å.

PLACHINDA: The Cr I line is significantly stronger than the blends.

TUTUKOV: Have you a model explaining your results?

PLACHINDA: Not yet. We do not intend to make an interpretation.

WEISS: [to Adelman] I agree that the Cr I line is blended and therefore the interpretation of the Zeeman effect will be complicated, but how would this influence the extraordinary effect of the superimposed $P_1/5$ variation?

ADELMAN: The blending line may have the same variability as Cr I 4254 Å, or it may be quite different. This would certainly complicate the analysis. I was simply pointing out that I think there are better lines to use for this star.

WEISS: Yes, correct.

DWORETSKY: I find the result most extraordinary. If it is true, an interpretation is extremely difficult. Could you please comment on the statistical significance of the $P_1/5$ periodicity which you have found?

PLACHINDA: We did not rely on statistics. Our argument is the phase correlation of periods obtained by three authors.