

la razón por la cual ciertos autores (M. Schmidt, CV. Reddish) han hallado distintos valores de k , al considerar para su determinación regiones de muy diferente extensión.

SPECTROSCOPIC OBSERVATIONS OF β CANIS MAJORIS

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The star β C Ma was observed during two nights in January 1962. The instrument used was the grating spectrograph attached to the 1.52 cm. (60 inch) telescope of the Bosque Alegre branch of the Córdoba Observatory which gives a dispersion of $42 \text{ \AA} / \text{mm}$.

The main conclusions obtained from a discussion of our observations together with those of previous observers, are the following:

1.- The radial velocity curves are not permanently distorted by humps in the ascending or descending branch. This means that, a) in more or less irregular intervals a third oscillation is excited and becomes coupled with one of the fundamental ones, or, b) a third oscillation not exactly commensurable with the fundamental ones is always present, and from time to time, coupling does appear.

2.- One of the two fundamental waves has shortened its period from $.2513016 \pm 3 \times 10^{-7}$ day (1909/34) to $.2513001 \pm 3 \times 10^{-7}$ (1934/62). The period of the other one is equal to $.25002238 \pm 2 \times 10^{-7}$ and remains constant over the whole interval covered by the observations (1909/62). The mean maximum epoch for the primary wave is: $T_1 = 2418360.773 \pm .004$, and for the secondary (the longer one), $T_2 = 2427467.706 \pm .004$ (1909/34) and $T_2 = 37681.800 \pm .01$ (1939/62).

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EL MODELO DE V453 SCORPII

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El análisis de espectrogramas tomados en Córdoba, Mount Wilson y Lick, combinados con los datos disponibles de la fotometría, permite describir al sistema V453 Scorpii como formado