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2 Pup B : A NEW BRIGHT ECLIPSING BINARY

2 Pup B (HR 3009, HD 62863) was found by Andersen and Nordström (1977, A. & A. Suppl., in press) to be a double-lined spectroscopic binary with equal components and fairly diffuse lines.

On J. Andersen's recommendation a search for eclipses was carried out in November 1976 by the author, using the Danish 50 cm telescope at La Silla, Chile, equipped with a four-channel spectrophotometer. Filters of the Strömgren uvby system were employed.

It was found that 2 Pup B is an eclipsing binary. A preliminary period of 1.660 days has been determined from observations of several eclipses. The two minima are almost identical, the depths in  $y$  in the instrumental system, which should be very close to the standard system, are about  $0^m.40$  and  $0^m.41$ . The duration of eclipses is about 4 hours 15 minutes. The secondary minimum is displaced at phase 0.48, thus indicating a slightly eccentric orbit.

Strömgren indices for 2 Pup B are given by Grønbech and Olsen (1976, A. & A. Suppl. 25, 213), who find  $V = 6.894$ ,  $b-y = 0.201$ ,  $m_1 = 0.165$ ,  $c_1 = 0.634$ . The MK type (Cowley et al., 1969, A.J. 74, 375) is A8V.

2 Pup B is the secondary component of the visual binary HR 3009-10 (Struve 1138, Aitken 6348), with an angular separation of  $16''.9$ .

Further observations of this system are planned.

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