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HD 126200 - A SUSPECTED ECLIPSING BINARY ?

The star HD 126200 (=BD + 8°2857) has now been listed by Kukarkin et al. (1982) as a suspected eclipsing binary of Algol type with a variation of 0.5 magnitude based on the findings of Sandig (1951), Hirschfeld and Sinnott (1982) have listed its magnitude, colour, radial velocity and spectral type. No other information about the star is available in the literature.

We have observed this star for a total duration of about eighty hours spread over two nights in 1967, eighteen nights in 1968 and two nights in 1970 through U, B and V filters of Johnson and Morgan system, mostly through the 52-cm reflector and on only two nights through the 56-cm reflector of the Uttar Pradesh State Observatory, Naini Tal, using standard d.c. techniques. HD 126676 (=BD + 9°2890) and HD 125608 (=BD + 9°2878) were taken as comparison stars. HD 125608 was observed on only two nights along with the other two stars. Our observations of individual nights do not show any noticeable variations in U, B or V magnitudes. Therefore, we conclude that HD 126200 is not an eclipsing binary star. The average colour and magnitude of these stars based on eleven nights of observations, on which standard stars were also observed, are listed in Table I along with their right ascension, declination and spectral type (Hirschfeld and Sinnott, 1982).

Table I.

Star	α_{2000}	δ_{2000}	V	B-V	U-B	Sp.
HD 126200	14 ^h 24 ^m 00 ^s .8	+8°14'37"	5. ^m 80 <u>+0.^m18</u>	+0. ^m 03 <u>+0.^m09</u>	0. ^m 12 <u>+0.^m28</u>	A0
HD 126676	14 26 47.3	+8 22 55	7.56 <u>+0.16</u>	0.00 <u>+0.06</u>	+0.02 <u>+0.12</u>	A0 V
HD 125608	14 20 20.8	+8 34 56	7.29	+0.98	+0.42	G5 IV

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