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A NEW VARIABLE STAR IN NGC 5139

By 15 blinking pairs of 103a-D+GG 11 and 103a-0+GG 13 plates obtained in the Newtonian focus of the 1.54 m reflecting telescope (diaphragmed to 1.10 m) of the Astrophysical Station at Bosque Alegre, Cordoba, Argentina, a new long-period variable was found in NGC 5139. The location of V 184 in our cluster according to "A Third Catalogue of Variable Stars in Globular Clusters" by Helen Sawyer Hogg (1973) is shown in Figure 1 and its coordinates in seconds of arc $x''=-412.5$; $y''=+22.0$.

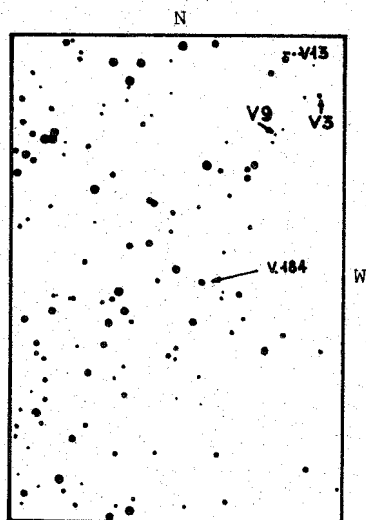


Fig. 1

The photographic plates are of very short exposure (5^m) so that the centre of the cluster is not overexposed and the stars it is composed of, can be seen. This new variable star is near the centre of the cluster which is probably the reason it had been overlooked.

The position of the new variable in the colour-magnitude diagram is shown in Figure 2.

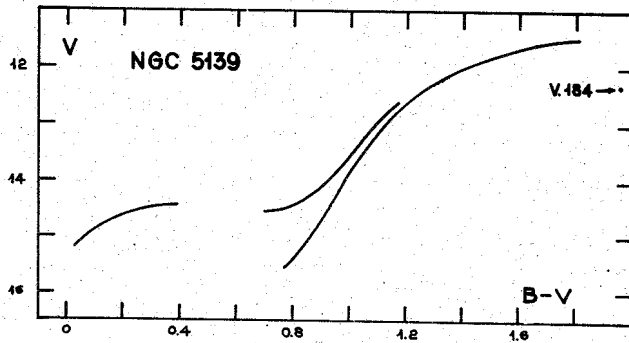


Fig. 2

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