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Characterization of variable stars using the ASAS and SuperWASP databases

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**Abstract content (Max 300 words)
Formatting &
Special chars**

A photographic survey of an area of the sky centred on RA (1900) 12^h 40^m and DEC (1900) -32deg; 00' made by Harvard Observatory in the 1930s identified 108 variable stars. Many of these variables have not been studied since their identification, and therefore there are no published light curves or accurate periods for them, and the data in the General Catalogue of Variable Stars is based on the original survey. Sources brighter than V = 14 mag can be found in the ASAS and SuperWASP databases, and can be used to check the classifications and parameters of the variable stars. In particular, in the SuperWASP archive there are over 25,000 observations for many of the sources, making it possible to determine accurate periods, maximum and minimum V magnitudes and correctly classify these object. The methods used to determine the parameters of these variable stars will be described, and results presented of the stars that have been studied.

Apply to be considered for a student award (Yes / No)?

No

Level for award (Hons, MSc, PhD)?

N/A

Main supervisor (name and email) and his / her institution

N/A

Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

Yes

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