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Photometric solutions of eclipsing binary stars

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<p>Kazarovets et al. (1999) gave General Catalogue of Variable Star (GCVS) designations to 3157 variable stars that had been identified from observations made using the Hipparcos satellite. The variables were classified into standard GCVS categories according to their photometric light curves, but no other parameters of the variables were documented. V-band photometric data for many of the Hipparcos-identified eclipsing binaries can be found in the All Sky Automated Survey (ASAS) and Wide Angle Search for Planets (SuperWASP) databases. In several cases the ASAS classifications, which were done semi-automatically and without cross referencing other databases, differ from those presented in IBVS 4659. Using the ASAS and/or SuperWASP data, the classifications are being checked, orbital periods are being determined and, where possible, photometric solutions to the light curves are being obtained. This talk will present the results of this investigation.

Level (Hons, MSc,
   PhD, other)?

other

Consider for a student
   award (Yes / No)?

No

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

Yes

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