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Title: The effect of Micro-lensing in eclipsing binary-star systems

Type: Poster

Session: Eclipsing and Interacting Binaries

Abstract: Using photometric observations from the Kepler Space Telescope of eclipsing binary star systems where

one component is a white dwarf we have investigated the strength of the micro lensing effect. We have examined the stellar binary KOI-81 from the Kepler mission. KOI-81 is composed of a white-dwarf and a A-type main-sequence star in a 24 day circular orbit and have found that micro-lensing is detectable. We use our lightcurve models to measure the strength of the micro-lensing signal and refine the radius of the

eclipsing white dwarf.