

Title: Ten thousand eclipsing binaries in the OGLE II Survey

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Abstract: In this talk I report the results of examining the light curves of 220,000 variable stars found by OGLE (Optical Gravitational Lensing Experiment) in the direction of the galactic bulge. The survey was originally intended to detect gravitational micro-lensing events due to compact objects that might be responsible for the dark matter contents of the Galaxy. As a by-product, a large number of variable stars were detected. I show how the periodic signals search pipeline works, and illustrate the results with selected interesting cases.