

The power of OAJ telescopes for the discovery of Cataclysmic Variables.

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Abstract

The Observatorio Astrofisico de Javalambre is equipped with two wide field telescopes with a combination of broad and narrow band filters. The filters of the Javalambre Auxiliary Survey Telescope (80cm diameter) have been designed for stellar classification while the filters of the Javalambre Survey Telescope (2.5m diameter) have been designed for high accuracy determination of photometric redshifts of galaxies. In this article, I explain how the same filter set can also be used to efficiently recover cataclysmic variables and separate them from other objects (like quasars) and even tell their type. The observations to be carried out at the Observatorio Astrofisico de Javalambre will provide the best magnitude limited complete sample of cataclysmic variables to date.