Lightcurves of a group of Jovian Trojans

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The Jovian Trojan asteroids are spread near the stable L4 and L5 Lagrangian points of Jupiter's orbit. Indeed, these Trojans comprise two clouds with about 3935 known asteroids near the L4 point and 2049 around the L5 point. Currently, the rotational properties of this asteroid population are poorly known due mainly to the low albedo. In this work, we report preliminary lightcurves for a group of Jovian Trojans (most of them with absolute magnitude H < 10) placed around the L4 point.

Acknowledgements: This work is supported by the Universidad de Alicante under projects GRE11 -03 and Spanish Ministerio de Ciencia e Innovacion (now extincted) grant AYA2011-30106-C02-02.