Contribution ID: **214** Contribution code: **S02-AA-200** Type: **Poster presentation**

Lightcurve Analysis of Asteroids at the Astronomical Station Vidojevica for the first half of 2022

Monday, 29 August 2022 18:00 (1h 30m)

We present one part of our long-term photometry program, targeted at studying the shape and spin state of asteroids. The CCD photometric observations were carried out in the first half of 2022 with two telescopes at the Astronomical Station Vidojevica (Serbia): 1.4m Ritchey-Chrétien-Coude "Milanković" and the 60cm Cassegrain "Nedeljković" telescope.

In this work, lightcurves, the synodical periods of rotation, ellipsoid shape ratios a/b, and first assumptions about the shape of several main-belt asteroids are presented. Obtained results contribute to the database of rotational characteristics of the asteroids, enhancing the understanding of the creation of our planetary system.

Primary authors: Prof. APOSTOLOVSKA, Gordana (Institute of Physics, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius University in Skopje); Dr TODOROVIĆ, Nataša (Astronomical Observatory of Belgrade, Republic of Serbia); Mrs ELENA, Vchkova Bebekovska (Institute of Physics, Faculty of Natural Sciences and mathematics, Ss. Cyril and Methodius University in Skopje)

Presenter: Prof. APOSTOLOVSKA, Gordana (Institute of Physics, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius University in Skopje)

Session Classification: Poster session

Track Classification: Scientific Sections: S02 Astronomy and Astrophysics