

**PHOTOMETRIC OBSERVATIONS
OF SELECTED ASTEROIDS ON TELESCOPE KT-50
OF MOBITEL COMPLEX OF RI NAO**

A.V. Pomazan, N.V. Maigurova

*Research Institute “Nikolaev Astronomical Observatory”,
Mykolaiv, Ukraine,
antpomaz@gmail.com*

The results of asteroid observations performed on the telescope KT-50 (Mobitel, RI NAO) during 2014-2016 were presented. Asteroids were selected from the infrared survey NEO-WISE, moving objects catalog SDSS MOC-3 and MPC database. Selected asteroids have a relatively high albedo ($pV > 0.2$) and are located in the outer part of the Main Belt (semi-major axis $a > 0.28$). The moments of opposition of the selected asteroids were obtained from HORIZONS service. The program of observations evenly covers the entire range of possible phase angles. The observations were made with filter close to the R standard band of Johnson-Cousins system. More than 1000 images were received. The instrumental magnitude of the selected asteroids and reference stars were computed. The standard deviations (RMS) of the measurements of instrumental magnitude for a 12-15.5^m reference stars are in range of 0.01-0.03^m. The lightcurves and phase dependencies were obtained for some asteroids.