

THESIS

29th Young Scientists' Conference on Astronomy and Space Physics 2023,

April 24 – 28, Kyiv, Ukraine

Arsenii Kasianchuk, A. Baransky, S. Borysenko. Astrometry and Photometry of the Dart Space Mission

Mariia Lobodenko, Ya. Pavlenko, I. Kulyk. Analysis of combined light curves of selected stars with exoplanetary transits collected by Kepler and TESS orbital telescopes

Mykola Hradov, P. P. Berczik. Relaxation of self-gravitating systems on a long time scale according to the results of direct numerical simulation

International Conference “Astronomy and Space Physics

May 23 – 26, 2023

<http://www.observ.univ.kiev.ua/conference/>

V. M. Babur, B.I. Hnatyk, V.V. Voitsekhovskiy, Multimessenger Research of Shapley Supercluster

O. Gugin, A. Tugay. Extrapolation of IllustrisTNG galaxy sample with neural networks

O. Gugin, V. Voitsekhovskiy, B. Hnatyk. Search for the sources of extremely-high energy cosmic rays

Oleksandr Hetmantsev, Daria Dobrycheva. Identifying Ring Galaxies in the SDSS Dataset through Augmented Training Samples and Deep Learning

M.A. Gromov, I.I. Yakovkin, V.G. Lozitsky. Evidence of strong magnetic fields in the active prominence on July 24, 1999 observed at 07:00:10 UT

A.V. Grytsai, **A.O. Burmai**. Influence of sudden stratospheric warming in the Arctic on total ozone over Ukraine