

Table of Contents

<i>Breus V. V.</i> Flexible Variable Star Extractor — new software for variable stars detection using CCD photometry	3
<i>Vasylenko M. Yu., Kudrya Yu. N.</i> Dipole bulk velocity based on new data sample of galaxies from the catalogue 2MFGC	6
<i>Berdina L. A., Tsvetkova V. S.</i> Detection of the rapid variability in the Q2237+0305 quasar	12
<i>Dylda S. S., Zhdanov V. I.</i> Qualitative types of cosmological evolution in hydrodynamic models with barotropic equation of state	17
<i>Sushchov O., Homola P., Dhital N., Bratek Ł., Poznański P., Wibig T., Zamora-Saa J., Almeida Cheminant K., Alvarez Castillo D., Góra D., Jagoda P., Jałocha J., Jarvis J. F., Kasztelan M., Kopański K., Krupiński M., Michałek M., Nazari V., Smelcerz K., Smolek K., Stasielak J., Sulek M.</i> Cosmic-Ray Extremely Distributed Observatory: a global cosmic ray detection framework	23
<i>Kontorovich V. M., Trofymenko S. V.</i> Reflection of positron radiation from star surface and shift of inter pulse position in Crab pulsar	30
<i>Trofymenko S. V., Kontorovich V. M.</i> Half-bare positron in the inner gap of a pulsar	36
<i>Instructions for authors</i>	42

