

ROMANIAN ASTRONOMICAL JOURNAL

Vol. 26 , No. 1, 2016

C O N T E N T S

Jean-Eudes ARLOT, Mirel BIRLAN, Vincent ROBERT
The Project NAROO (New Astrometric Reduction of Old Observations) 3

Radu Stefan STOICA, Shuyan LIU, Lauri Juhan LIIVAMÄGI, Enn SAAR,
Elmo TEMPEL, Florent DELEFLIE, Marc FOUCHARD, Daniel HESTROFFER,
Irina KOVALENKO, Alain VIENNE
An integrative approach based on probabilistic modelling and statistical inference
for morpho-statistical characterization of astronomical data 11

Dumitru PRICOPI, Marian Doru ȘURAN
Equilibria of Mucket-Treder's Problem. Analytic approach 21

Mirel BIRLAN, Dan Alin NEDELCU, Adrian SONKA, Marcel POPESCU,
Bogdan DUMITRU
Observations for Secure and Recovery Near-Earth Asteroids 25

Pierre VERNAZZA, Pierre BECK, Philippe LAMY,
Aurelie GUILBERT-LEPOUTRE
Sample of high-priority science objectives for future interplanetary missions
towards asteroids 35

Jean SOUCHAY, César GATTANO
The large catalog of quasars and the LQAC-3 compilation 47

Octavian BĂDESCU, Dan Alin NEDELCU, Alexandru CĂLIN,
Paul Daniel DUMITRU, Lavinia A. CĂLIN, Marcel POPESCU
Astro-geodetic platform for high accuracy geoid determination 57

Paul Daniel DUMITRU, Octavian BĂDESCU, Alexandru CĂLIN

Study regarding the use of the vertical deviation from Romanian historical
astro-geodetic network in the geoid model development on the national
territory67

Vlad TURCU, Dan MOLDOVAN, Liviu MIRCEA,
Alexandru POP, Tiberiu OPROIU
PHEMU 2015 Campaign at Astronomical Observatory Cluj-Napoca77