

L I S T A

lucrărilor apărute în cadrul fiecărui proiect de cercetare

Proiectul II.2: Studiul mișcării corpurilor cerești prin metode cantitative și calitative

I. Haranas, V. MIOC

Poynting-Robertson effect in non-singular gravitational potential
Astrophysics and Space Science, **331** (2011), 289-294 (ISI)

I. Haranas, O. Ragos, V. MIOC

Yukawa-type potential effects in the anomalistic period of celestial bodies
Astrophysics and Space Science, **332** (2011), 107-113 (ISI)

M. Bărbosu, V. MIOC, D. Pasca, F. Szenkovits

The two-body problem with generalized Lennard-Jones potential
Journal of Mathematical Chemistry (2011), DOI 10.1007/s10910-011-9867-7 (ISI)

R. ROMAN

'Similar' coordinate systems and the Roche geometry: application
Astrophysics and Space Science, **335** (2011), 475-483 (ISI)

R. ROMAN, I. SZÜCS-CSILLIK

Regularization of the circular restricted three-body problem using 'similar' coordinate systems
Astrophysics and Space Science, (2011), DOI 10.1007/s10509-011-0899-z (ISI)

O. FURDUI

Longtime stability of Transneptunian bodies
Astronomy and Astrophysics (2011) (acceptat) (ISI)

O. Cristea, P. Dolea, V. TURCU, R. Dănescu

Long base-line Stereoscopic Imager for Close to Earth Objects Range Measurements
2011 IAA Planetary Defense Conference: *From Threat to Action, 9-12 May 2011*, Bucharest, Romania
(acceptat)

V. MIOC, E. POPESCU, N. A. POPESCU

Simultaneous total collapse in Fock's field
Romanian Astronomical Journal **21** (2011), No. 1

V. MIOC, E. POPESCU, N. A. POPESCU

Lagrange-Jacobi and Sundman relations in quasihomogeneous model
Romanian Astronomical Journal **21** (2011), No. 1

I.I. Haranas, V. MIOC

Quantum corrections to the gravitational potential and orbital motion
Romanian Astronomical Journal **20** (2010), No. 2, (appeared in 2011)

C. Chiruta, T. OPROIU

Artificial satellite nodal period under Poynting-Robertson effect. I. Method and preliminary results
Romanian Astronomical Journal **20** (2010), No. 2, (appeared in 2011)

O. FURDUI

Approximate models of stellar orbits

Romanian Astronomical Journal, **21** (2011), No. 1

A. NEDELICU, P. POPESCU, S.G. SORESCU-SURDU

Planete

In *Anuarul Astronomic 2011*, P. Popescu, O. Badescu, A. Nedelcu (eds), Editura Academiei Române, București, 2010 (appeared in 2011)

L. SERBANESCU

Satelitii planetelor mari

In *Anuarul Astronomic 2011*, P. Popescu, O. Badescu, A. Nedelcu (eds), Editura Academiei Române, București, 2010 (appeared in 2011)

A. NEDELICU, G. BOCSA, M. LICULESCU

Mici planete, comete, meteori

In *Anuarul Astronomic 2011*, P. Popescu, O. Badescu, A. Nedelcu (eds), Editura Academiei Române, București, 2010 (appeared in 2011)

A. NEDELICU, P. POPESCU, S.G. SORESCU-SURDU

Planete

In *Anuarul Astronomic 2012*, P. Popescu, O. Badescu, A. Nedelcu (eds), Editura Academiei Române, București, 2011

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Satelitii planetelor mari

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E. POPESCU, V. MIOC, N.A. POPESCU

Lagrange-Jacobi and Sundman relations in the n-body problem attached to quas-homogeneous potentials

Proceedings of the 11th Workshop of the Department of Mathematics and Computer Science, Technical University of Civil Engineering, Bucharest, 2011.

L. MIRCEA, T. OPROIU, V. TURCU

Modelul TD88Up si utilizarea lui la determinarea orbitelor cvasicirculare ale satelitilor artificiali ai Pamantului de tip LEO

International Symposium "Visual Methods in Teaching Astronomy", 27-28 May 2011, Timișoara

E. POPESCU, V. MIOC, N.A. POPESCU

Lagrange-Jacobi and Sundman relations in the n-body problem attached to quasi-homogeneous potentials

A XI-a Sesiune de Comunicari Stiintifice a Catedrei de Matematica si Informatica din UTCB, Bucuresti, 28 Mai 2011.

V. MIOC, E. POPESCU

Particle systems in quasihomogeneous fields

Sesiunea stiintifica anuala a Institutului Astronomic, Bucuresti, 25 noiembrie 2011

L. MIRCEA

Optimizarea, un concept important în misiunile satelitare

