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LISTA LUCRĂRILOR ŞTIINŢIFICE

Candidat: Conf. dr. Florin Isaia

Articole publicate în reviste ISI Web of Science

1. F. Isaia: *Superposition operators between Sobolev spaces and a non-existence result of higher-order regular solutions for the p -Laplacian*, *Nonlinear Analysis: Theory Methods and Applications*, 117 (2015), 87-98 (SRI-2018: 1.643, AIS-2018: 1.032, cuartila 1).
2. F. Isaia: *On the superposition operator between Sobolev spaces: well-definedness, continuity, boundedness, and higher-order chain rule*, *Houston Journal of Mathematics*, 41 (2015), no.4, 1277-1294 (SRI-2018: 0.403, AIS: 0.253, cuartila 4).
3. G. Dinca and F. Isaia: *Superposition operators between higher-order Sobolev spaces and a multivariate Faà di Bruno formula: supercritical case*, *Advanced Nonlinear Studies*, 14 (2014), no. 1, 137-158 (SRI-2018: 1.385, AIS: 0.87, cuartila 2).
4. G. Dinca and F. Isaia: *On superposition operators between higher-order Sobolev spaces and a multivariate Faà di Bruno formula: the subcritical case*, *Differential and Integral Equations*, 26 (2013), no.1-2, 11-58 (SRI-2018: 1.068, AIS: 0.671, cuartila 2).
5. G. Dinca and F. Isaia: *Generalized Pohožaev and Pucci-Serrin identities and non-existence results for $p(x)$ -Laplacian type equations*, *Rendiconti del Circolo Matematico di Palermo*, 59 (2010), no.1, 1-46 (Emerging Sources Citation Index).



6. G. Dinca and F. Isaia: *Generalized Pohožaev identity and a non-existence result for the p -Laplacian: weak solutions*, *Advances in Differential Equations*, 14 (2009), no. 5-6, 497-540 (SRI-2018: 1.850, AIS-2018: 1.162, cuartila 1).

7. F. Isaia: *On a nonlinear integral equation without compactness*, *Acta Mathematica Universitatis Comenianae*, 75 (2006), no. 2, 233-240 (Emerging Sources Citation Index).

Articole publicate în reviste indexate BDI

1. G. Dinca and F. Isaia: *On the continuity of superposition operators between higher-order Sobolev in the supercritical case*, *Annals of the University of Bucharest (mathematical series)*, 4 (LXII) (2013), no. 2, 455-478.

2. M. Lupu and F. Isaia: *Nonlinear dynamics in the study of some a hybrid system of Rayleigh-Van der Pol type*, *Mathematics in Engineering, Science and Aerospace*, 4 (2013), no. 3, 215-227.

3. M. Lupu and F. Isaia: *The study of some nonlinear dynamical systems modelled by a more general Rayleigh-Van der Pol equation*, *Creative Mathematics and Informatics*, 16 (2007), 81-90.

4. F. Isaia: *A fixed point theorem and some applications to nonlinear integral equations*, *ROMAI Journal*, 2 (2006), no. 2, 93-100.

5. M. Lupu and F. Isaia: *The mathematical modelling and the stability study of some speed regulators for nonlinear oscillating systems*, *Analele Universității București (seria matematică)*, 55 (2006), no. 2, 203-212.

6. M. Lupu and F. Isaia: *The solution of the thermoelastic equilibrium problem for cylindrical tubes with big torsion angle*, *Carpathian Journal of Mathematics*, 21 (2005), no. 1-2, 77-82.

7. M. Lupu and F. Isaia: *The study of some speed regulators for non-autonomous vibrating mechanisms*, *Bulletin of the Transilvania University of Brasov*, 12 (47) (2005), New series, Series B1, 23-30.

8. F. Isaia: *An existence result for a nonlinear integral equation without compactness*, *PanAmerican Mathematical Journal*, 14 (2004), no. 4, 93-106.





Conferințe internaționale

1. *Non-existence results of higher-order regular solutions for the $p(x)$ -Laplacian*, 8th Congress of Romanian Mathematicians, June 25-July 1, 2015, Iasi, Romania
(http://www.math.uaic.ro/cmr2015/programme/Programme_and_abstracts_CMR_2015.pdf).
2. *Superposition operators between Sobolev spaces and non-existence results of higher-order regular solutions for some divergence-type equations*, 12e Colloque Franco-Roumain de Mathématique Appliquées, 25-30 Août 2014, Lyon, France
(<http://cfr2014.univ-lyon1.fr/index.php?texte=Programme>).
3. *Superposition operators between higher-order Sobolev spaces: well-definedness, continuity and a multivariate Faà di Bruno formula*, Joint International Meeting of the American Mathematical Society and the Romanian Mathematical Society, June 27-30, 2013, Alba-Iulia, Romania
(http://imar.ro/ams-ro2013/meeting_program.pdf).
4. *Superposition operators on higher-order Sobolev spaces and applications to Dirichlet problems*, 7th Congress of Romanian Mathematicians, June 29-July 5, 2011, Brasov, Romania
(http://www.imar.ro/organization/activities/standalone/congmatro2011/past_events/program.pdf).
5. *Generalized Pohožaev identities and non-existence results for p -Laplacian and $p(x)$ -Laplacian*, 5th World Congress of Nonlinear Analysts (WCNA-2008), July 2-9, 2008, Orlando, USA
6. *Generalized Pohožaev identities and non-existence results for p -Laplacian and $p(x)$ -Laplacian*, 6th Congress of Romanian Mathematicians, June 28-July 4, 2007, Bucharest, Romania
(<http://www.imar.ro/~purice/conferences/Cong-6/Program.pdf>).



Conferințe naționale

1. M. Lupu and F. Isaia: *Solution of the thermoelastic equilibrium problem for cylindrical tubes with big torsion angle in the case of composite material structures*, Proceedings of the 4th International Conference on "Advanced Composite Materials Engineering" COMAT 2012, 18-20 October 2012, Brasov, Romania (organized under FISITA patronage).

2. M. Lupu, D. Nicoara and F. Isaia: *Analytical methods for the solution of the plane problem of the thermoelastic equilibrium*, 3rd International Conference on "Computational Mechanics and Virtual Engineering" COMEC 2009, 29-30 October 2009, Brasov, Romania (organized under FISITA patronage).

3. M. Lupu and F. Isaia: *The study of some nonlinear dynamical systems with distributed parameters*, 1st International Conference "Computational Mechanics and Virtual Engineering" COMEC 2005, 20-22 October, Brasov, Romania.

4. M. Lupu and F. Isaia: *Utilizarea funcțiilor analitice la rezolvarea problemei plane a elasticității și termoelasticității*, A XXVIII-a Conferință Națională de Mecanica Solidului, Mai 2004, Târgoviște, România.

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Semnătura: