

Costică MOROȘANU

Books and papers published:

I. Books:

- *Analysis and optimal control of phase-field transition system: Fractional steps methods*, eISBN: 978-1-60805-350-6, 2012, Bentham Science Publishers, April 2012, eBooks, 353 pages, <http://dx.doi.org/10.2174/97816080535061120101>;

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1. I. Munteanu, *Boundary stabilization of the phase field system by finite-dimensional feedback controllers*, J. Math. Anal. Appl., Vol. 412, no. 2, pp. 964-975, 2014
<http://dx.doi.org/10.1016/j.jmaa.2013.11.018>
- *Elemente de bază ale sistemului $T_{E}X$ și plain $T_{E}X$* , Editura Univ. "Al.I. Cuza" Iași, 2001, ISBN 973-9312-99-3 (155 pages, in romanian);
- *Analiza și controlul sistemului tranziției de fază. Metode de tip pași fracționari*, Editura Univ. "Al.I. Cuza" Iași, 2001, ISBN 973-8243-18-1 (244 pages, in romanian);
- *Sistemul de operare LINUX. Utilizare și programare*, Editura "Spiru Haret" Iași, 2004, ISBN 973-579-060-2, Editura TEHNICA-INFO Chișinău, 2004, ISBN 9975-63-235-1, (262 pages, in romanian);
- *SISTEME DE OPERARE. Instalare, programare, utilizare LINUX*, Editura Universitatii "Alexandru Ioan Cuza" Iasi, 2006, ISBN (10) 973-703-143-1, ISBN (13) 978-973-703-143-3, (374 pages) (in co-operation with S. Paval, in romanian);
- *INFORMATICA. Didactica specialitatii*, Editura Universitatii "Alexandru Ioan Cuza" Iasi, 2007, ISBN 978-973-703-194-5, (264 pages) (in co-operation with I. Maxim, in romanian).

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2. *Approximation of an optimal control problem with distributed impulses*, An. Șt. Univ. "Al.I. Cuza" Iași, T XXXIX, s. I a, f.2, pp. 174-178, (1993).
3. *Parameter identification in the development of photographic film*, An. Șt. Univ. Timișoara, vol. XXXII, Seria Științe Fizice, pp. 36-49, (1995) (in co-operation with Laura-Iulia Anița).

4. *Approximation and numerical results for phase field system by a fractional step scheme*, Revue d'analyse numérique et de théorie de l'approximation, Tome 25, N^{os} 1-2, pp. 137-151, (1996).

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1. Yaochan Zhu and Eckart Schnack, *Numerical Modeling Chemical Vapor Infiltration of SiC Composites*, Journal of Chemistry, Vol. 2013, (2012), <http://dx.doi.org/10.1155/2013/836187>
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48. *Analysis of an iterative scheme of fractional steps type associated to the nonlinear phase-field equation with non-homogeneous dynamic boundary conditions*, to appear in Discrete and Continuous Dynamical Systems - Series S (in co-operation with Alain Miranville).
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