

Fișă de verificare a îndeplinirii standardelor minime: Indicele I și I_{recent} , calculat după factor de impact

Costică MOROȘANU

Numărul publicației	Articol, referința bibliografică	Publicat in ultimii 7 ani	f_i	n_i	f_i/n_i
1.	<i>Numerical approximation for the phase-field transition system</i> , Int. J. Comput. Math., vol.62, nr.3-4, p. 209-221, (1996) (in co-operation with V. Arnautu)		0.825	2	0.413
2.	<i>A generalized phase field system</i> , J. Math. Anal. Appl., vol. 237, p. 515-540, 1999 (in co-operation with D. Motreanu)		1.12	2	0.560
3.	<i>Identification of nonlinear periodic wave equation</i> , Appl. Math. Optim., vol. 44, p. 87-104, 2001 (in co-operation with C. Trenchea)		0.591	2	0.296
4.	<i>State constraint optimal control for the phase field transition system</i> , Numer. Funct. Anal. and Optimiz., Vol. 28(3-4), p. 379-403, 2007 (in co-operation with C Wang)		0.591	2	0.296
5.	<i>Fractional steps scheme to approximate the phase-field transition system with nonhomogeneous Cauchy-Neumann boundary conditions</i> , Numer. Funct. Anal. and Optimiz., Vol. 30, no. 3-4, p. 199-213, 2009, (in co-operation with T. Benincasa)	X	0.591	2	0.296
6.	<i>A product formula approach to a nonhomogeneous boundary optimal control problem governed by nonlinear phase-field transition system. PART I: Existence, uniqueness and regularity of the solution</i> , J Optimiz Theory App, Vol. 148, no. 1, p. 14-30, 2011 (in co-operation with T. Benincasa and A. Favini)	X	1.509	3	0.503
7.	<i>A product formula approach to a nonhomogeneous boundary optimal control problem governed by nonlinear phase-field transition system. PART II: Lie-Trotter product formula</i> , J Optimiz Theory App, Vol. 148, No. 1, p. 31-45, 2011 (in co-operation with T. Benincasa and A. Favini).	X	1.509	3	0.503
8.	The phase-field transition system with non-homogeneous Cauchy-Stefan-Boltzmann and homogeneous Neumann boundary conditions and non-constant thermal conductivity, Nonlinear Anal., vol. 87, p. 22-32, 2013	X	1.327	1	1.327
9.	Optimal strategies to diminish a pest population via bilinear controls, Applied Mathematics Letters 40(2015)7–12, http://dx.doi.org/10.1016/j.aml.2014.09.003 (in co-operation with L. Anîc ta and S. Anîc ta)	X	1.337	3	0.446
10.	On the existence, uniqueness and regularity of solutions to the phase-field system with a general regular potential and a general class of nonlinear and non-homogeneous boundary conditions, Nonlinear Analysis, vol. 113, pp. 190-208, 2015, http://dx.doi.org/10.1016/j.na.2014.10.003 (in co-operation with Ovidiu Carja and Alain Miranville)	X	1.327	3	0.442
11.	Analysis of an iterative scheme of fractional steps type associated to the phase-field equation endowed with a general nonlinearity and Cauchy-Neumann boundary conditions, J. Math. Anal. Appl., 425 (2015) 1225-1239 http://dx.doi.org/10.1016/j.jmaa.2015.01.033 (in co-operation with Anca Croitoru)	X	1.12	2	0.560

12.	Variation tendencies of shape memory alloys surface relief as a function of training-cycling parameters, J. Optoelectronics and advanced materials, vol. 16, no. 3-4, p. 394-400, 2014 (in co-operation with M. Suru and L. Bujoreanu)	X	0.563	3	0.188
13.	On the existence, uniqueness and regularity of solutions to the phase-field transition system with non-homogeneous Cauchy-Neumann and nonlinear dynamic boundary conditions, Appl. Math. Modell. (2015), http://dx.doi.org/10.1016/j.apm.2015.04.039 (in co-operation with Alain Miranville)	X	2.251	2	1.126
			necesar	realizat	
TOTAL		I=	5	6.953	
		I_{recent}=	2.5	5.390	

Fișă de verificare a îndeplinirii standardelor minime: Indicele c și c_{recent} (scor relativ de influență)
Costică MOROȘANU

Numărul publicației	Articol, referința bibliografică	Publicat în ultimii 7 ani	s_i	n_i	s_i/n_i
1.	<i>A generalized phase field system</i> , J. Math. Anal. Appl., vol. 237, p. 515-540, 1999 (in co-operation with D. Motreanu)		1.168	2	0.584
2.	<i>Identification of nonlinear periodic wave equation</i> , Appl. Math. Optim., vol. 44, p. 87-104, 2001 (in co-operation with C. Trenchea)		1.4	2	0.700
3.	<i>State constraint optimal control for the phase field transition system</i> , Numer. Funct. Anal. and Optimiz., Vol. 28(3-4), p. 379-403, 2007 (in co-operation with G. Wang)		0.591	2	0.296
4.	<i>Fractional steps scheme to approximate the phase-field transition system with nonhomogeneous Cauchy-Neumann boundary conditions</i> , Numer. Funct. Anal. and Optimiz., Vol. 30, no. 3-4, p. 199-213, 2009, (in co-operation with T. Benincasa)	X	0.591	2	0.296
5.	<i>A product formula approach to a nonhomogeneous boundary optimal control problem governed by nonlinear phase-field transition system. PART I: Existence, uniqueness and regularity of the solution</i> , J Optimiz Theory App, Vol. 148, no. 1, p. 14-30, 2011 (in co-operation with T. Benincasa and A. Favini)	X	1.145	3	0.382
6.	<i>A product formula approach to a nonhomogeneous boundary optimal control problem governed by nonlinear phase-field transition system. PART II: Lie-Trotter product formula</i> , J Optimiz Theory App, Vol. 148, No. 1, p. 31-45, 2011 (in co-operation with T. Benincasa and A. Favini).	X	1.145	3	0.382
7.	The phase-field transition system with non-homogeneous Cauchy-Stefan-Boltzmann and homogeneous Neumann boundary conditions and non-constant thermal conductivity, Nonlinear Anal., vol. 87, p. 22-32, 2013	X	1.18	1	1.180
8.	Optimal strategies to diminish a pest population via bilinear controls, Applied Mathematics Letters 40(2015)7–12, http://dx.doi.org/10.1016/j.aml.2014.09.003 (in co-operation with L. Anița and S. Anița)	X	0.853	3	0.284
9.	On the existence, uniqueness and regularity of solutions to the phase-field system with a general regular potential and a general class of nonlinear and non-homogeneous boundary conditions, Nonlinear Analysis, vol. 113, pp. 190-208, 2015, http://dx.doi.org/10.1016/j.na.2014.10.003 (in co-operation with Ovidiu Carja and Alain Miranville)	X	1.18	3	0.393

10.	Analysis of an iterative scheme of fractional steps type associated to the phase-field equation endowed with a general nonlinearity and Cauchy-Neumann boundary conditions, J. Math. Anal. Appl., 425 (2015) 1225-1239 http://dx.doi.org/10.1016/j.jmaa.2015.01.033 (in co-operation with Anca Croitoru)	X	1.168	2	0.584
11.	On the existence, uniqueness and regularity of solutions to the phase-field transition system with non-homogeneous Cauchy-Neumann and nonlinear dynamic boundary conditions, Appl. Math. Modell. (2015), http://dx.doi.org/10.1016/j.apm.2015.04.039 (in co-operation with Alain Miranville)	X	2.083	2	1.042
			necesar		realizat
TOTAL	c		5		6.122
	C_{recent}		2.5		4.542

Fișă de verificare a îndeplinirii standardelor minimale: C - numarul de citari, calculat dupa factor de impact Costică MOROȘANU

Nr. crt.	Articolul citat	Revista si articolul in care a fost citat	f _i
1.	<i>Analysis and optimal control of phase-field transition system: Fractional steps methods</i> , eISBN: 978-1-60805350-6, 2012, Bentham Science Publishers, April 2012, eBooks, 353 pages, http://dx.doi.org/10.2174/97816080535061120101	1. I. Munteanu, <i>Boundary stabilization of the phase field system by finite-dimensional feedback controllers</i> , J. Math. Anal. Appl., Vol. 412, no. 2, p. 964-975, 2014 http://dx.doi.org/10.1016/j.jmaa.2013.11.018	1.12
2.	<i>A generalized phase field system</i> , J. Math. Anal. Appl., vol. 237, p. 515-540, 1999 (in co-operation with D. Motreanu)	1. J.L. Boldrini, G Planas, <i>Weak solutions of a phase- eld model for phase change of an alloy with thermal properties</i> , Mathematical Methods in the Applied Sciences, Vol. 25, no. 14, pp. 1177-1193, 2002, DOI: 10.1002/mma.334	0.918
		2. L Wang, G Wang, <i>The optimal time control of a phase- eld system</i> , SIAM journal on control and optimization, 2003, Vol. 42, no. 4, doi:10.1137/S0363012902405455	1.463
		3. C Vaz, E Fernandez-Cara, <i>Renormalized solutions to a system of type NavierStokes</i> , Journal of Mathematical Analysis and Applications, Vol. 378, no. 2, pp. 442-449, 2011	1.12
		4. C Vaz and JL Boldrini, <i>A mathematical analysis of a nonisothermal AllenCahn type system</i> , Mathematical Methods in the Applied Sciences, Vol. 35, no. 12, pp. 1392-1405, 2012, doi: 10.1002/mma.2504	0.918
		5. C Vaz and JL Boldrini, <i>A mathematical analysis of a nonisothermal AllenCahn type system: error estimates</i> , Mathematical Methods in the Applied Sciences, Vol. 35, no. 12, pp.1406-1414, 2012, doi: 10.1002/mma.2505	0.918
		6. V.G. Zvyagin, V.P. Orlov, <i>On certain mathematical models in continuum thermomechanic</i> , J. Fixed Point Theory Appl., 15 (2014) p. 3-47, doi:10.1007/s11784-014-0179-y	0.545
3.	<i>Identification of nonlinear periodic wave equation</i> , Appl. Math. Optim., vol. 44, p. 87-104, 2001 (in co-operation with C. Trenchea)	1. B, Kaltenbacher, <i>Determination of parameters in nonlinear hyperbolic PDEs via a multiharmonic formulation, used in piezoelectric material characterization</i> , Math. Models Methods Appl. Sci., vol. 16, no. 6, 2006	3.094
		2. Chun Wang, Yougyan Wu, Wan Wu, <i>Solving the nonlinear periodic wave problems with the Homotopy Analysis Method</i> , Wave Motion, 04/2005; doi: 10.1016/j.wavemoti.2004.08.002	1.513

4.	<i>Analysis and optimal control of phase-field transition system</i> , Nonlinear Funct. Anal. & Appl., Vol. 8, no. 3, p. 433-460, 2003	1. JL Boldrini, BMC Caretta and EF Cara, <i>Analysis of a two-phase field model for the solidification of a alloy</i> , J. Math. Anal. Appl., vol. 357, pp. 25-44, 2009.	1.12
		2. H Liu, J Yang, Optimal control of semilinear parabolic systems with state constraint, J. Math. Anal. Appl., Vol. 417, no. 2, p. 787-803, 2014 http://dx.doi.org/10.1016/j.jmaa.2014.03.070	1.12
		3. FD Araruna, JL Boldrini, BMR Calsavara, <i>Optimal Control and Controllability of a Phase Field System with One Control Force</i> , Appl. Math. Optim., 2014, doi: 10.1007/s00245-014-9249-1	0.591
5.	<i>Boundary optimal control problem for the phase-field transition system using fractional steps method</i> , Control & Cybernetics, vol. 32, no. 1, p. 05-32, 2003	1. J Zheng, J Liu, H Liu, <i>State-constrained optimal control of phase- eld equations with obstacle</i> , Boundary Value Problems, 2013:234 doi:10.1186/1687-2770-2013-234	1.014
		2. I. Munteanu, <i>Boundary stabilization of the phase field system by finite-dimensional feedback controllers</i> , J. Math. Anal. Appl., Vol. 412, no. 2, p. 964-975, 2014 http://dx.doi.org/10.1016/j.jmaa.2013.11.018	1.12
		3. FD Araruna, JL Boldrini, BMR Calsavara, <i>Optimal Control and Controllability of a Phase Field System with One Control Force</i> , Appl. Math. Optim., 2014, doi: 10.1007/s00245-014-9249-1	0.591
6.	<i>State constraint optimal control for the phase field transition system</i> , Numer. Funct. Anal. and Optimiz., Vol. 28 (3-4), p. 379-403, 2007 (in co-operation with G. Wang)	1. J Zheng, J Liu, H Liu, <i>State-constrained optimal control of phase- eld equations with obstacle</i> , Boundary Value Problems, 2013:234 doi:10.1186/1687-2770-2013-234	1.014
		2. H Liu, J Yang, Optimal control of semilinear parabolic systems with state constraint, J. Math. Anal. Appl., Vol. 417, no. 2, p. 787-803, 2014 http://dx.doi.org/10.1016/j.jmaa.2014.03.070	1.12
		3. FD Araruna, JL Boldrini, BMR Calsavara, <i>Optimal Control and Controllability of a Phase Field System with One Control Force</i> , Appl. Math. Optim., 2014, doi: 10.1007/s00245-014-9249-1	0.591
		4. Guojie Zheng, Bao-Zhu Guo, M. Montaz Ali, <i>Stability of optimal control of heat equation with singular potential</i> , Systems & Control Letters, 10/2014, 74:18-23, doi:10.1016/j.sysconle.2014.09.010	2.059
7.	<i>Fractional steps scheme to approximate the phase-field transition system with nonhomogeneous Cauchy-Neumann boundary conditions</i> , Numer. Funct. Anal. and Optimiz., Vol. 30, nr. 3-4, pp. 199-213, 2009, (in co-operation with T. Benincasa)	1. FD Araruna, JL Boldrini, BMR Calsavara, <i>Optimal Control and Controllability of a Phase Field System with One Control Force</i> , Appl. Math. Optim., 2014, doi: 10.1007/s00245-014-9249-1	0.591

8.	A product formula approach to a nonhomogeneous boundary optimal control problem governed by nonlinear phase-field transition system. PART I: Existence, uniqueness and regularity of the solution, J Optimiz Theory App, Vol. 148, No. 1, p. 14-30, 2011 (in co-operation with T. Benincasa and A. Favini)	1. J Zheng, J Liu, H Liu, <i>State-constrained optimal control of phase- eld equations with obstacle</i> , Boundary Value Problems, 2013:234 doi:10.1186/1687-2770-2013-234	1.014
		2. FD Araruna, JL Boldrini, BMR Calsavara, <i>Optimal Control and Controllability of a Phase Field System with One Control Force</i> , Appl. Math. Optim., 2014, doi: 10.1007/s00245-014-9249-1	0.591
		3. V Maksimov, <i>Game Control Problem for a Phase Field Equation</i> , J Optimiz Theory App, 2015, doi: 10.1007/s10957-015-0721-0	1.509
9.	A product formula approach to a nonhomogeneous boundary optimal control problem governed by nonlinear phase-field transition system. PART II: Lie-Trotter product formula, J Optimiz Theory App, Vol. 148, No. 1, p. 31-45, 2011 (in co-operation with T. Benincasa and A. Favini)	1. J Zheng, J Liu, H Liu, <i>State-constrained optimal control of phase- eld equations with obstacle</i> , Boundary Value Problems, 2013:234 doi:10.1186/1687-2770-2013-234	1.014
		2. FD Araruna, JL Boldrini, BMR Calsavara, <i>Optimal Control and Controllability of a Phase Field System with One Control Force</i> , Appl. Math. Optim., 2014, doi: 10.1007/s00245-014-9249-1	0.591
10	The phase-field transition system with non-homogeneous Cauchy-Stefan-Boltzmann and homogeneous Neumann boundary conditions and non-constant thermal conductivity, Nonlinear Anal., vol. 87, p. 22-32, 2013	1. FD Araruna, JL Boldrini, BMR Calsavara, <i>Optimal Control and Controllability of a Phase Field System with One Control Force</i> , Appl. Math. Optim., 2014, doi: 10.1007/s00245-014-9249-1	0.591
		necesar	realizat
TOTAL		12	26

Fișă de verificare a îndeplinirii standardelor minimale: număr de citări calculat după SRI - Scor Relativ de Influență

Costică MOROȘANU

- *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>;

Cited by:

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> **SRI=1.168**
- *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. Armel A. Ovono, *Numerical approximation of the phase-field transition system with non-homogeneous Cauchy-Neumann boundary conditions in both unknown functions via fractional steps methods*, Journal of Applied Analysis and Computation, Vol. 3, No. 4, (2013), pp. 377-397
- *Numerical approximation for the phase-field transition system*, in "Intern. J. Computer Math.," vol.62, nr.3-4, pp. 209-221, (1996) (in co-operation with V. Arnăutu).

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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>
 2. Armel A. Ovono, *Numerical approximation of the phase-field transition system with non-homogeneous Cauchy-Neumann boundary conditions in both unknown functions via fractional steps methods*, Journal of Applied Analysis and Computation, Vol. 3, No. 4, (2013), pp. 377-397
- *Approximation of the phase-field transition system via fractional steps method*, Numer. Funct. Anal. Optimiz., **18** (5&6), 623-648 (1997).

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1. T. Benincasa, *Analysis and optimal control for the phase-field transition system with non-*

homogeneous Cauchy-Neumann boundary conditions, Università di Bologna, 2010,
http://amsdottorato.unibo.it/3066/1/benincasa_tommaso_tesi.pdf

2. Armel A. Ovono, *Numerical approximation of the phase-field transition system with non-homogeneous Cauchy-Neumann boundary conditions in both unknown functions via fractional steps methods*, Journal of Applied Analysis and Computation, Vol. 3, No. 4, (2013), pp. 377-397
- *A generalized phase field system*, J. Math. Anal. Appl., **237** (1999), pp. 515-540 (in co-operation with D. Motreanu).

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1. JL Boldrini, G Planas *Weak solutions of a phase-field model for phase change of an alloy with thermal properties*, Mathematical Methods in the Applied Sciences, Vol. 25, no. 14, pp. 1177-1193, 2002, doi:10.1002/mma.334 **SRI=0.902**
2. L Wang, G Wang, *The optimal time control of a phase-field system*, SIAM journal on control and optimization, 2003, Vol. 42, no. 4, doi:10.1137/S0363012902405455 **SRI=2.790**
3. JL Boldrini, C Vaz, *Existence and regularity of solutions of a phase field model for solidification with convection of pure materials in two dimensions*, Electronic Journal of Differential Equations, Vol. 2003(2003), No. 109, pp. 1-25
4. C Vaz, JL Boldrini, *A semidiscretization scheme for a phase-field type model for solidification*, Portugaliae MATHEMATICA, Vol. 63 Fasc. 3, Nova Série, 2006
5. G Planas, *Existence of solutions to a phase-field model with phase-dependent heat absorption*, Electronic Journal of Differential Equations, Vol. 2007(2007), No. 28, pp. 1-12
6. C Vaz, *Rothe's method for an isothermal phase-field model of a binary alloy with convection*, Mat. Contemp, 32:221-251, 2007
7. C Vaz, E Fernández-Cara, *Renormalized solutions to a system of type Navier-Stokes*, Journal of Mathematical Analysis and Applications, Vol. 378, no. 2, pp. 442-449, 2011 **SRI=1.168**
8. C Vaz and JL Boldrini, *A mathematical analysis of a nonisothermal Allen-Cahn type system*, Mathematical Methods in the Applied Sciences, Vol. 35, no. 12, pp. 1392-1405, 2012, doi: 10.1002/mma.2504 **SRI=0.902**
9. C Vaz and JL Boldrini, *A mathematical analysis of a nonisothermal Allen-Cahn type system: error estimates*, Mathematical Methods in the Applied Sciences, Vol. 35, no. 12, pp. 1406-1414, 2012, doi: 10.1002/mma.2505 **SRI=0.902**
10. E Fernández-Cara, C Vaz, *Weak-renormalized solutions for a system that models non-isothermal solidification*, SeMA Journal, no. 59, pp. 5-18, 2012
11. WV Assunção, JL Boldrini, *Global solutions of a model of phase transitions for dissipative thermoviscoelastic materials*, Electronic Journal of Differential Equations, 2013
12. V.G. Zvyagin, V.P. Orlov, *On certain mathematical models in continuum thermomechanics*, J. Fixed Point Theory Appl., 15 (2014) 3-47, DOI 10.1007/s11784-014-0179-y **SRI=1.134**
- *The phase field system with a general nonlinearity*, International Journal of Differential Equations

and Applications, Vol. 1, No. 2, pp. 187-204, (2000) (in co-operation with D. Motreanu).

Cited by:

1. T. Benincasa, *Analysis and optimal control for the phase-field transition system with non-homogeneous Cauchy-Neumann boundary conditions*, Università di Bologna, 2010,
http://amsdottorato.unibo.it/3066/1/benincasa_tommaso_tesi.pdf
- *Identification of nonlinear periodic wave equation*, Appl. Math. Optim., **44**, pp. 87-104, (2001) (in co-operation with C. Trenchea).

Cited by:

1. Chun Wang, Yougyan Wu, Wan Wu, *Solving the nonlinear periodic wave problems with the Homotopy Analysis Method*, Wave Motion, 04/2005;
DOI: 10.1016/j.wavemoti.2004.08.002 **SRI=2.083**
2. B. Kaltenbacher, *Determination of parameters in nonlinear hyperbolic PDEs via a multiharmonic formulation, used in piezoelectric material characterization*, Math. Models Methods Appl. Sci., vol. 16, no. 6 (2006) doi: 10.1142/S0218202506001388 **SRI=2.324**
3. KP Badakhshan, AV Kamyad and AB Lashak, *Numerical solution of nonlinear wave problems applying nonlinear programming*, WSEAS Transactions on , 2004
- *Stochastic Query Optimization in Distributed Databases using Semijoins*, ANNALES Univ. Sci. Budapes, Sect. Comp., Tomus **20**, pp. 107-131, (2001) (in co-operation with T. Markus and V. Varga).

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1. D. Dumitrescu, C. Groşan, V. Varga, *Stochastic optimization of querying distributed databases I. Theory of four relations join*, STUDIA UNIV. BABEŞ BOLYAI, INFORMATICA, Vol. XLVIII, No. 1, 2003
2. K. Raptopoulou, M. Vassilakopoulos and Y. Manolopoulos, *Towards Quadtree-Based Moving Objects Databases*, Advances in Databases and Information Systems, Lecture Notes in Computer Science, Vol. 3255, pp. 230-245, 2004
3. V. Varga, D. Dumitrescu, C. Groşan, *Solving Stochastic Optimization in Distributed Databases Using Genetic Algorithms*, Advances in Databases and Information Systems, Lecture Notes in Computer Science, Vol. 3255, pp. 259-274, 2004
4. D. Dumitrescu, C. Groşan, V. Varga, *Stochastic optimization of querying distributed databases III. Evolutionary method versus constructive method*, STUDIA UNIV. BABEŞ BOLYAI, INFORMATICA, 1/2004; 49(1).
- *On the numerical stability of the cubic splines approximation to solution of phase-field transition system*, PanAmerican Math. Journal, **12** (2002), nr.2, pp. 31-46

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1. Armel A. Ovono, *Numerical approximation of the phase-field transition system with non-homogeneous Cauchy-Neumann boundary conditions in both unknown functions via fractional steps methods*, Journal of Applied Analysis and Computation, Vol. 3, No. 4, (2013), pp.

- *An extension of the Lie-Trotter product formula*, Nonlinear Funct. Anal. & Appl., Vol. 7, No. 4, pp. 517-530, (2002) (in co-operation with D. Motreanu).

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1. Armel A. Ovono, *Numerical approximation of the phase-field transition system with non-homogeneous Cauchy-Neumann boundary conditions in both unknown functions via fractional steps methods*, Journal of Applied Analysis and Computation, Vol. 3, No. 4, (2013), pp. 377-397
- *Analysis and optimal control of phase-field transition system*, Nonlinear Funct. Anal. & Appl., Vol. 8, no. 3, pp. 433-460, (2003)

Cited by:

1. JL Boldrini, BMC Caretta and EF Cara, *Analysis of a two-phase field model for the solidification of a alloy*, J. Math. Anal. Appl., vol. 357, pp. 25-44, 2009. **SRI=1.168**
 2. H Liu, J Yang, *Optimal control of semilinear parabolic systems with state constraint*, J. Math. Anal. Appl., Vol. 417, no. 2, pp. 787-803, 2014
<http://dx.doi.org/10.1016/j.jmaa.2014.03.070> **SRI=1.168**
 3. FD Araruna, JL Boldrini, BMR Calsavara, *Optimal Control and Controllability of a Phase Field System with One Control Force*, Appl. Math. Optim., 2014,
doi: 10.1007/s00245-014-9249-1 **SRI=1.4**
- *Boundary optimal control problem for the phase-field transition system using fractional steps method*, Control & Cybernetics, vol. 32, no. 1, pp. 05-32, (2003).

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1. T. Benincasa, *Analysis and optimal control for the phase-field transition system with non-homogeneous Cauchy-Neumann boundary conditions*, Università di Bologna, 2010,
http://amsdottorato.unibo.it/3066/1/benincasa_tommaso_tesi.pdf
 2. J Zheng, J Liu, H Liu, *State-constrained optimal control of phase-field equations with obstacle*, Boundary Value Problems, 2013:234, doi:10.1186/1687-2770-2013-234
 3. 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> **SRI=1.168**
 4. FD Araruna, JL Boldrini, BMR Calsavara, *Optimal Control and Controllability of a Phase Field System with One Control Force*, Appl. Math. Optim., 2014,
doi: 10.1007/s00245-014-9249-1 **SRI=1.4**
- *State constraint optimal control for the phase field transition system*, Numer. Funct. Anal. and Optimiz., Vol. 28 (3-4), pp. 379-403, (2007) (in co-operation with G. Wang).

Cited by:

1. T. Benincasa, *Analysis and optimal control for the phase-field transition system with non-homogeneous Cauchy-Neumann boundary conditions*, Università di Bologna, 2010,

http://amsdottorato.unibo.it/3066/1/benincasa_tommaso_tesi.pdf

2. J Zheng, J Liu, H Liu, *State-constrained optimal control of phase-field equations with obstacle*, Boundary Value Problems, 2013:234doi:10.1186/1687-2770-2013-234
 3. H Liu, J Yang, *Optimal control of semilinear parabolic systems with state constraint*, J. Math. Anal. Appl., Vol. 417, no. 2, pp. 787-803, 2014
<http://dx.doi.org/10.1016/j.jmaa.2014.03.070> **SRI=1.168**
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