

**Забелязани цитирания**  
**на доц. д-р Наталия Кольковска (Дренска)**  
**(м. юни, 2016 г.)**

N. Drenska, Об одной задаче сопряжения двух параболических уравнений (A problem in the conjugation of two parabolic equations), Дифференц.уравнения (Differential Equations), 15, 12, 2251-2262, 1979.

Цитирана в:

1. Ю. М. Лаевский, Об одном алгоритме декомпозиции области без налегания подобластей решения параболических уравнений, Ж. вычисл. матем. и матем. физ., 32:11 (1992), 1744–1755
2. Ю. М. Лаевский О декомпозиции области для параболических задач с разрывными решениями и методе штрафа, Журнал вычислительной математики и математической физики, 1994, 34:5, 702–719
3. Sergienko I. V., Deineka V.S., Optimal control of distributed systems with conjugation conditions, Cluwer Acad. Publ., 383 p., 2006

N. Drenska, Точность численных алгоритмов для одномерной задачи об остывании металла в формах (Accuracy of numerical algorithms for the one-dimensional problem of cooling of metals in molds), Вестн. Моск.ун-та. Выч.мат.киб.(Mosc. Univ. Comput. Math, Cybern.), 4, 15-21, 1981.

Цитирана в:

1. F. V. Lubyshev, A. R. Manapova, M. E. Fairuzov, Approximations of optimal control problems for semilinear elliptic equations with discontinuous coefficients and solutions and with control in matching boundary, Computational Mathematics and Mathematical Physics, 2014, Vol. 54, No. 11, pp. 1700–1724. **IF** 0.789
2. A.R. Manapova, F.V. Lubyshev, Accuracy estimate with respect to state of finite - dimensional approximations for optimization problems for semi-linear elliptic equations with discontinuous coefficients and solutions, Ufa Mathematical Journal, 6, (3), 69-84, 2014.
3. F. V. Lubyshev, Finite Difference Approximations of Optimal Control Problems for Semilinear Elliptic Equations with Discontinuous Coefficients and Solutions, Computational Mathematics and Mathematical Physics, 2012, 52 (8), 1094–1114, **IF** 0.408.

Р. Лазаров, Ст. Димова, Н. Дренска, Т. Черногорова, Математическое моделирование процессов теплообмена и кристаллизации слитков, Bapach Center Publications, 13, 73-90, 1984.

Цитирана в:

1. Vabishchevich P., Iliev O., Numerical investigation of the influence of hydrodynamic processes on a metal crystalisation, Numerical Methods and Applications, Proc. of the Int. Conf. on Numerical Methods and Appl., Sofia, August 22-27, 530-533, 1989.

2. Манолов, В. К., Илиев, О. П., Математическое моделирование тепловых полей во время заполнения цилиндрической изложницы расплавленной сталью, Сборник доклады на II международна конференция по приложения на компютрите в лярското производство FOCOMP'88, Second Intern. Conf. FOCOMP, 335-342, 1988.
3. Приходанска Р. И., Числено изследване на процеса на кристаллизация на рапидна стомана в многослойна кокила, дипломна работа, ФМИ, 1994.
4. V. Manolov, A. Yotova, S. Bijev, T. Rashev, Simulation of the Crystallization and Structure of Ferro Alloys Containing Nitrogen, Materials Science Forum, 318-320, 341-346, 1999.
5. D Constales, J Kačur, On the optimal cooling strategy for variable-speed continuous casting, International Journal for Numerical Methods in Engineering, v. 53, No. 3, 2002, **IF** 1.468.
6. О. Илиев, Численное исследование процессов тепло-и массопереноса в металлургии, Диссертация канд. физ.-мат. наук, МГУ, 1981

Н.Дренска, Свойства разностных схем для задачи об остывании металла в форме, Дифференц.уравнения, 16, 9, 1677-1687, 1980.

Цитирана в:

1. Сендов Бл., Лазаров Р., Рашев Ц., Математическое моделирование некоторых теплофизических процессов и сооружений при разливке и кристаллизации стали, Трудове на национална научно-техническа конференция с международно участие „Високоазотни стомани' 89", Варна, 1-3 окт., 12-18, 1989.
2. Лазаров Р., Оценки на грешката на дифференчните схеми за някои задачи на математическата физика с обобщени решения, дисертация за „Доктор на мат. науки“, 1981

N. Drenska, Разностные схемы для энтальпийной постановки одномерной задачи о кристаллизации металла в форме (Finite difference scheme for the enthalpy formulation of the one-dimensional problem of cooling metal in mold), Численные методы и пакеты программ для решения уравнений математической физики (Numerical methods and packages for solving problems of mathematical physics, Comput. Center Acad. Sci. USSR, Novosibirsk), 3-9, 1985.

Цитирана в:

1. N. Andreev, V. Manolov, Numerical investigation of some problems in metal technology, in 'Mathematical models, analytical and numerical methods in the heat transfer', part 2, 9, 1986.
2. Сендов Бл., Лазаров Р., Рашев Ц., Математическое моделирование некоторых теплофизических процессов и сооружений при разливке и кристаллизации стали, Трудове на национална научно-техническа конференция с международно участие „Високоазотни стомани' 89", Варна, 1-3 окт., 12-18, 1989.

Н.Дренска, Сходимость разностной схемы метода конечных элементов для уравнения Пуассона в метрике  $L_p$  (Convergence of the difference scheme of the finite element method for the Poisson equation in the metric  $L_p$ ), Вестн. Моск.ун-та. Выч.мат.киб. (Mosc. Univ. Comput. Math, Cybern.), 3, 19-22, 1984.

Цитирана в:

1. B. Jovanovic, The Finite Difference Method for Boundary value Problems with Weak Solutions, Beograd, 1993.
2. B. Jovanovic, Finite difference schemes for partial differential equations with weak solutions and irregular coefficients, Computational Methods in Applied Mathematics, 4 (1), 48–65, 2004.
3. B. Jovanovic, Endre Süli, Analysis of Finite Difference Schemes For Linear Partial Differential Equations with Generalized Solutions, Springer, 408 p., 2014.
4. B. Jovanovic, Finite difference schemes for boundary value problems with generalized solutions, Novi Sad J Math, 30 (3), 47-58, 2000.

Н.Дренска, Сходимость в метрике  $L_p$  разностной схемы метода конечных элементов для эллиптического уравнения с постоянными коэффициентами (Convergence in the metric  $L_p$  of the difference scheme of the finite element method for an elliptic equation with constant coefficients), Вестн. Моск.ун-та. Выч.мат.киб. (Mosc. Univ. Comput. Math, Cybern.), 4, 9-13, 1985.

Цитирана в:

1. B. Jovanovic, The Finite Difference Method for Boundary value Problems with Weak Solutions, Beograd, 1993.
2. Boško S. Jovanovic, Endre Süli Analysis of Finite Difference Schemes For Linear Partial Differential Equations with Generalized Solutions, Springer, 408 p., 2014.

I. Avramov, C. Rüssel, N. Kolkovska, I. Georgiev, Crystallization kinetics and network rigidity, J. Physics: Condens. Matter, **20**, 335203, 2008.

Цитирана в:

1. T Höche, Crystallization in glass: elucidating a realm of diversity by transmission electron microscopy, Journal of Materials Science, 45 (14), 3683-3696, 2010, **IF** 1.855.
2. B. Deb, A. Ghosh, Crystallization kinetics in selenium molybdate molecular glasses, Europhysics Letters, (95) 2011, 26002, **IF** 2.171.
3. John C. Mauro, Charles S. Philip, Daniel J. Vaughn and Michael S. Pambianchip, Glass Science in the United States: Current Status and Future Directions, International Journal of Applied Glass Science, 5 (1), 2-15, 2014, **IF** 1.71 (2013).

4. Christian Patzig, Thomas Höche, Temporal Evolution of Crystallization in MgO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>-ZrO<sub>2</sub> Glass Ceramics, *Crystal Growth & Design*, 01, 12:2059-2067, 2012, **IF** 4.689.
5. Shuijiang Liu, Haizheng Tao, Yanfei Zhang, Yuanzheng Yue, Reduction-Induced Inward Diffusion and Crystal Growth on the Surfaces of Iron-Bearing Silicate Glasses, *Journal of the American Ceramic Society*, 98 (6), 2015, **IF** 0.818 (2013).
6. Kondo-François Aguey-Zinsou and José-Ramón Ares-Fernández, Hydrogen in magnesium: new perspectives toward functional stores, *Energy & Environ. Science*, 3, 526-543, 2010, **IF** 9.446.
7. Paramjyot Kumar Jha, O.P. Pandey, K. Singh, Structure and crystallization kinetics of Li<sub>2</sub>O modified sodium-phosphate glasses, *Journal of Molecular Structure*, 1094, 15, 174–182, 2015, **IF** 1.602.
8. Paramjyot Kumar Jha, O.P. Pandey, K. Singh, Non-isothermal crystallization kinetics of K<sub>2</sub>O modified sodium-phosphate glasses, *Journal of Non-Crystalline Solids*, 440 (2016) 76–84, **IF** 1.766 (2014).

Kutev N., N. Kolkovska, M. Dimova, C.I. Christov: Theoretical and Numerical Aspects for Global Existence and Blow up for the solutions to Boussinesq Paradigm Equation. *AIP Conference Proceedings*, 1404, 68-76, 2011.

цитирана в:

1. Hatice Taskesen and Necat Polat: On the Existence of Global Solutions for a Nonlinear Klein-Gordon Equation, *FILOMAT*, 28:5, 1073–1079, 2014, **IF** 0.638.
2. Hatice Taskesen, Necat Polat, and Abdulkadir Ertas, On Global Solutions for the Cauchy Problem of a Boussinesq-Type Equation”, *Abstract and Applied Analysis*, 2012, Article ID 535031, 2012, **IF** 1.318 (2011).
3. Hatice Taskesen and Necat Polat, Existence of global solutions for a multidimensional Boussinesq-type equation with supercritical initial energy, *AIP Conference Proceedings*, 1470, 159–162, 2012, **SJR** 0.142 (2011).
4. Hatice Taskesen and Necat Polat, Global existence for a double dispersive sixth order Boussinesq equation, *Contemporary Analysis and Applied Mathematics*, 1 (1), 60- 69, 2013.
5. H. Taskesen and Necat Polat, Existence results for a nonlinear Timoshenko equation with high initial energy, *AIP Conf. Proc.* 1676, 020023-1–020023-4

Kutev N., N. Kolkovska, M. Dimova: Global Existence of Cauchy Problem for Boussinesq Paradigm Equation. *Computers and Mathematics with Applications*, 65, 500–511, 2013.

цитирана в:

1. Hatice Taskesen and Necat Polat, Global existence for a double dispersive sixth order Boussinesq equation, *Contemporary Analysis and Applied Mathematics*, 1 (1), 60- 69, 2013.

2. Qingying Hu, Chenxia Zhang, and Hongwei Zhang: Global Existence of Solution for Cauchy Problem of Two-Dimensional Boussinesq-Type Equation. *ISRN Mathematical Analysis*, 2014 (2014), Article ID 890503, 6 p. <http://dx.doi.org/10.1155/2014/890503>.
3. Xu Runzhang, Yang Yanbing, Liu Bowei, Shen Jihong and Huang Shaobin, Global existence and blowup of solutions for the multidimensional sixth-order “good” Boussinesq equation, *Z Angew. Math. Phys.*, 66, 955–976, 2015, DOI 10.1007/s00033-014-0459-9, **IF** 1.109.
4. Hongwei Zhang, Qingying Hu, Global existence and nonexistence of solution for Cauchy problem of two-dimensional generalized Boussinesq equations, *J. Math. Anal. Appl.*, 422, 1116–1130, 2015, **IF** 1.12.
5. Hatice Taskesen and Necat Polat, On the Existence of Global Solutions for a Nonlinear Klein-Gordon Equation, *FILOMAT*, 28:5, 1073–1079, 2014, **IF** 0.638.
6. Miao Liu and Weike Wang, Global existence and pointwise estimates of solutions for the multidimensional generalized Boussinesq type equation, *Communications On Pure and Appl. Analysis*, 13 (3), 1203, 2014, **IF** 0.844.
7. H. Taskesen and Necat Polat, Existence results for a nonlinear Timoshenko equation with high initial energy, *AIP Conf. Proc.*, 1676, 020023-1–020023-4; doi: 10.1063/1.4930449
8. Shubin Wang, Xiao Su, Global existence and nonexistence of the initial–boundary value problem for the dissipative Boussinesq equation, *Nonlinear Analysis: Theory, Methods & Applications*, 134, 164–188, 2016, **IF** 1.327 (2015).

Kutev N., N. Kolkovska, M. Dimova: Global Existence to Generalized Boussinesq Equation with Combined Power-type Nonlinearities, *Journal of Mathematical Analysis and Applications*, 410, 427–444, 2014

цитирана в:

1. Hongwei Zhang, Qingying Hu, Global existence and nonexistence of solution for Cauchy problem of two-dimensional generalized Boussinesq equations, *J. Math. Anal. Appl.*, 422, 1116–1130, 2015, **IF** 1.12.
2. Florian Paul Robert Maurin, Wave propagation in periodic buckled beams, PhD Thesis, No 6845, ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, 2015. [https://infoscience.epfl.ch/record/214554/files/EPFL\\_TH6845.pdf](https://infoscience.epfl.ch/record/214554/files/EPFL_TH6845.pdf)
3. Qingying Hu, Hongwei Zhang, Gongwei Liu, Global existence and exponential growth of solution for the logarithmic Boussinesq-type equation, *J. Math. Anal. Appl.* 436, 990–1001, 2016, **IF** 1.12 (2015).
4. H.A. Erbay, S. Erbay, A. Erkip, Instability and stability properties of traveling waves for the double dispersion equation, *Nonlinear Analysis: Theory Methods and Applications*, 133, 1-14, 2016, **IF** 1.327 (2015)

5. 一个广义 Boussinesq 方程解的存在性与衰减性 刘淼 - 应用数学, 2014 - cnki.com.cn  
广义Boussinesq方程长短波分解Green函数能量方法

Liu Miao, A generalized Boussinesq Equations Existence and Decay, "Applied Mathematics"  
Huazhong University of Science, 2014, 04, <http://www.cnki.com.cn/Article/CJFDTotal-YISU201404013.htm>, ISSN 1001-9847

N. Kolkovska, K. Angelow, A Multicomponent Alternating Direction Method for Numerical Solving of Boussinesq Paradigm Equation, LNCS, LNCS 8236, 371–378, 2013.

Цитирана в

1. D. Vasileva, A Numerical Investigation of Stability of 1D Soliton Solutions of Boussinesq Paradigm Equation in the 2D Case, AIP CP, 1629, 207-216.

N. Kolkovska, Two families of finite difference schemes for multidimensional Boussinesq Equation, AIP Conf. Proc., 1301, 395-403, 2010

Цитирана в

1. K. Angelow, Multiple Approaches for the Numerical Solution of the Boussinesq Paradigm Equation in R1 and R2, Master Thesis, Sofia University, 2012.
2. Dimova M., Vasileva D., Comparison of two Numerical Approaches to Boussinesq Paradigm Equation, LNCS, 8236, 255-262, 2013.

N. Kolkovska, Convergence of finite difference schemes for a multidimensional Boussinesq Equation, LNCS 6046, 469-476, 2011.

Цитирана в

1. Dimova M., Vasileva D., Comparison of two Numerical Approaches to Boussinesq Paradigm Equation, LNCS, 8236, 255-262, 2013.

Kolkovska, N., Dimova, M., A new conservative finite difference scheme for Boussinesq paradigm equation, Central European J Mathematics, 10, 3, 1159-1171.

Цитирана в

1. Dreiden G.V., Samsonov A. M., Semenova I.V., Shvartz A.G., Bulk Strain Solitons in a Cylindrical Shell, Proceedings of the International Conference “Days on Diffraction (DD)” 2014, DD 2014, 69-75, 2015, IEEE, ISBN: 978-147997331-6.
2. A. M. Samsonov, G. V. Dreiden, I. V. Semenova and A. G. Shvartz, Bulk solitary waves in elastic solids, AIP Conf. Proc. 1684, 020002, 2015, <http://dx.doi.org/10.1063/1.4934283>, SJR.

3. Shvartz A. G., Samsonov A. M., Semenova I. V., Dreiden G. V., Numerical simulation of bulk solitons in elongated shells, Proceedings of the International Conference “Days on Diffraction (DD)”, St.Petersburg, Russia, 2015, Page(s): 1 – 7, DOI: 10.1109/DD.2015.7354881, ISBN: 978-1-4673-8635-7, Publisher IEEE.
4. Shvartz, A. Samsonov, G. Dreiden and I. Semenova, Evolution of bulk strain solitons in cylindrical inhomogeneous shells, AIP CP, 1685, 070014, 2015; <http://dx.doi.org/10.1063/1.4934451>.

N. Kolkovska, Four Level Conservative Finite Difference Schemes for Boussinesq Paradigm Equation, AIP Conference Proceedings, 1561, 68-74, 2013.

Цитирана в

1. MA Akinlar, A Secer, M Bayram, Stability, Synchronization Control and Numerical Solution of Fractional Shimizu–Morioka Dynamical System, Applied Mathematics Information Sciences, 8 (4), 1699-1705, 2014, **IF** 1.232 (2013).

N. Kutev, N. Kolkovska, M. Dimova, Sign-preserving functionals and blow-up to Klein–Gordon equation with arbitrary high energy, Applicable Analysis, 2015, DOI: 10.1080/00036811.2015.1038994

Цитирана в

1. H. Taskesen and Necat Polat, Existence results for a nonlinear Timoshenko equation with high initial energy, AIP Conf. Proc. 1676, 020023-1–020023-4; doi: 10.1063/1.4930449, SJR.
2. BA Bilgin, VK Kalantarov, About Blow up of Solutions With Arbitrary Positive Initial Energy to Nonlinear Wave Equations, arXiv:1506.04567, 2015.

N. Kutev, N. Kolkovska, M. Dimova, Nonexistence of global solutions to new ordinary differential inequality and applications to nonlinear dispersive equations, Mathematical Methods in the Applied Sciences, 39, 9, 2287-2297, 2016.

Цитирана в

1. BA Bilgin, VK Kalantarov, About Blow up of Solutions With Arbitrary Positive Initial Energy to Nonlinear Wave Equations, arXiv:1506.04567, 2015.

Общо: 58 цитирания на 18 статии

От тях цитирания в монографии: 3

Цитирания в статии с IF: общо 21 статии с общ IF – 37.89