

ПРИЛОЖЕНИЕ 1: ПУБЛИКАЦИОННА ДЕЙНОСТ ПРЕЗ 2013 Г.

II 1.1. СПИСЪК НА ПУБЛИКАЦИИТЕ, РЕФЕРИРАНИ И ИНДЕКСИРАНИ В СВЕТОВНАТА СИСТЕМА ЗА РЕФЕРИРАНЕ, ИНДЕКСИРАНЕ И ОЦЕНЯВАНЕ

II 1.1.1. ИЗЛЕЗЛИ ОТ ПЕЧАТ

1. Agliardi, R., **P. Popivanov, A. Slavova**, On nonlinear Black-Scholes equations, In: Nonlinear Analysis and Differential Equations, vol.1:2, 2013, pp. 75-81, ISSN: 1314-7587.
2. Ahsanullah, M., I. A. Shah, **G.P. Yanev**, Characterizations of exponential distribution thought random translations of ordered variables, In: Journal of Statistics Applications and Probability, Natural Sciences Publishing, 2 (3), 2013, pp. 223-227, ISSN: 2090-8423.
3. Akça, H., J. Benbourenane, **V. Covachev**, Existence theorem for semilinear impulsive functional differential equations with nonlocal conditions, In: International Journal of Applied Physics and Mathematics, 3 (2013), No. 3, pp. 182-187, ISSN: 2010-362X.
4. Akça, H., J. Benbourenane, **V. Covachev**, Impulsive delay reaction-diffusion Cohen-Grossberg neural networks with zero Dirichlet boundary conditions, In: Middle-East Journal of Scientific Research 13 (Mathematical Applications in Engineering), (2013), pp. 15-24, ISSN: 1990-9233.
5. Akça, H., **V. Covachev**, Z. Covacheva, Discrete-time counterparts of impulsive Hopfield neural networks with leakage delays, In: International Conference on Differential & Difference Equations and Applications (Ponta Delgada, Portugal, 2011), Differential and Difference Equations with Applications, S. Pinelas, M. Chipot and Z. Došla (eds.), Springer Proceedings in Mathematics & Statistics 47, Springer Science+Business Media, New York, 2013, pp. 335-342, ISBN: 978-1-4614-7333-6.
6. Akça, H., **V. Covachev**, Z. Covacheva, Improved stability estimates for impulsive delay reaction-diffusion Cohen-Grossberg neural networks via Hardy-Poincaré inequality, In: Conference on Differential and Difference Equations and Applications (Terchová, Slovakia, 2012), Tatra Mountains Mathematical Publications, 54 (2013), pp. 1-18, ISSN 1338 – 9750 (online), ISSN 1210 – 3195 (printed).
7. Anagnostou, P., **A. Grigorov**, Architecture of a Digital Repository for Learning Resources, In: Challenges in Higher Education & Research, vol. 11, Heron Press, Sofia, 2013, pp. 68-70, ISBN: 978-954-580-325-3.
8. **Anguelov, R.**, Y. Dumont, J. M-S Lubuma, E. Mureithi, Stability Analysis and Dynamics Preserving Non-Standard Finite Difference Schemes for a Malaria Model, In: Mathematical Population Studies, 20, 2013, pp. 101-122, ISSN: 0889-8480 (Print), 1547-724X (Online), IF 0.957/2012
9. Atanasov, D., **V. Stoimenova**, A computational approach for the statistical estimation of discrete time branching processes with immigration, In: Pliska Stud. Math. Bulgar., 22, 2013, pp. 101-120. ISSN: 0204-9805.

10. Atanasova, V., **G. Bogdanova**, Digitisation and Presentation of Historical Materials in a Virtual Exhibition ‘The Image of India in Bulgaria: from the late 19th to the late 20th, In: Proceedings of the UNESCO International Conference on Digital Preservation and Presentation of Cultural and Scientific Heritage (DiPP13), Veliko Tarnovo, Bulgaria, 18-21 Sept, 2013, Issue: 3, pp. 212-218, ISSN: 1314-4006.
11. Ayuso, B., **I. Georgiev**, J. Kraus, L. Zikatanov, A subspace correction method for discontinuous Galerkin discretizations of linear elasticity equations, In: ESAIM: Mathematical Modelling and Numerical Analysis, 47 (05), 2013, pp 1315-1333, IF 1.031, ISSN: 0764-583X.
12. **Baicheva, T., S. Topalova**, Optimal (v,5,2,1) optical orthogonal codes of small v, In: Applicable Algebra in Engineering, Communication and Computing, special issue "Computer Algebra in Coding Theory and Cryptography", Volume 24, Issue 3, pp. 165-177, DOI 10.1007/s00200-013-0191-1, ISSN: 0938-1279.
13. Battisti, U., **T. Gramchev**, L. Rodino, S. Pilipović, Globally bisingular elliptic operators. (English), Karlovich, Yuri I. (ed.) et al., Operator theory, pseudo-differential equations, and mathematical physics. The Vladimir Rabinovich anniversary volume. Basel: Birkhäuser/Springer Operator Theory: Advances and Applications 228, pp. 21-38, 2013, ISBN: 978-3-0348-0536-0/hbk; 978-3-0348-0537-7/ebook.
14. **Bazhlekov, I., D. Vasileva**, Numerical simulation of drop coalescence in the presence of drop soluble surfactant, In: AIP Conference Proceedings, 1561, 2013, pp. 333-346, SJR 0.161, ISSN: 0094-243X.
15. **Bazhlekova, E., I. Dimovski**, Exact solution for the fractional cable equation with nonlocal boundary conditions, In: Central European Journal of Physics, 11, No. 10, 2013, pp. 1304-1313 doi: 10.2478/s11534-013-0213-5, IF 0.905, ISSN: 1895-1082.
16. **Bazhlekova, E., I. Dimovski**, Time-fractional Thornley's problem, In: Journal of Inequalities and Special Functions, 4 (1), 2013, pp. 21-35, ISSN: 2217-4303.
17. **Bazhlekova, E.**, On a nonlocal boundary value problem for the two-term time-fractional diffusion-wave equation, In: American Institute of Physics – Conference Proceedings, 2013, # 1561, pp. 172-183, SJR 0.161, ISSN: 0094-243X.
18. **Bazhlekova, E.**, Series solution of a nonlocal problem for a time-fractional diffusion-wave equation with damping, In: C. R. Acad. Bulg. Sci., 66 (8), 2013, pp. 1091-1096, , IF 0.211, ISSN 1310-1331.
19. Bell, J.P., **V. Drensky**, Y. Sharifi, Shirshov's theorem and division rings that are left algebraic over a subfield, In: J. Pure Appl. Algebra 217, 2013, pp.1605-1610, IF 0.534, ISSN: 0022-4049.
20. Bodini, O., Ph. Duchon, A. Jacquot, **L. Mutafchiev**, Asymptotic analysis and random sampling of digitally convex polyominoes. In: Discrete Geometry for Computer Imagery, Lecture Notes in Computer Science, Vol. 7749, 2013, pp. 95-106, ISBN: 978-3-642-37066-3, ISSN: 0302-9743.
21. **Bogdanova, G., T. Todorov**, N. Noev, Digitization and 3D Scanning of Historical Artifacts, In: Proceedings of the UNESCO International Conference on Digital

Preservation and Presentation of Cultural and Scientific Heritage (DiPP13), Veliko Tarnovo, Bulgaria, 18-21 Sept, 2013, Issue: 3, pp. 133-138, ISSN: 1314-4006.

22. **Boumova, S., V. Drensky**, Algebraic properties of codimension series of PI-algebras, In: Israel J. Math. 195, 2013, pp. 593-611, IF: 0.646, Print ISSN: 0021-2172, Online ISSN: 1565-8511.
23. **Bouyukliev, I.**, S. Bulygin, E. Martínez-Moro, Foreword: computer algebra in coding theory and cryptography, In: Appl. Algebra Eng. Commun. Comput., vol. 24, 2013, pp. 157-158, ISSN: 0938-1279 (Print) 1432-0622 (Online).
24. **Bouyukliev, I.**, T. Georgieva, Development of a personal bibliographic information system, In: The Electronic Library, vol. 31, no. 2, 2013, pp. 144-156, ISSN: 0264-0473.
25. **Bouyuklieva, S., I. Bouyukliev**, M. Harada, Some extremal self-dual codes and unimodular lattices in dimension 40, In: Finite Fields and Their Applications, vol. 21, 2013, pp. 67-83, ISSN: 1071-5797.
26. **Bouyuklieva, S.**, Javier de la Cruz, Wolfgang Willems, On the automorphism group of a binary self-dual [120,60,24] code, In: Applicable Algebra in Engineering, Communication and Computing, vol. 24, 2013, pp. 201-214, ISSN: 0938-1279 (print version), ISSN: 1432-0622 (electronic version).
27. **Boyadzhiev, Hr.**, Evaluation of one exotic Furdui type series, In: Far East Journal of Mathematical Sciences (FJMS), 75, No. 2, 2013, pp. 359-367, ISSN: 0972-0871.
28. **Boyvalenkov, P.**, H. Kulina, Investigation of binary orthogonal arrays via their distance distributions, In: Problems of Information Transmission 49, No. 4, 2013, pp. 320-330, ISSN: 0555-2923.
29. **Boyvalenkov, P.**, M. Stoyanova, New nonexistence results for spherical designs, In: Advances in Mathematics of Communications 7, No. 4, 2013, pp. 279-292, ISSN: 1930-5338 (online), 1930-5346 (print).
30. Bozhanov, B., **I. Derzhanski**, Rosetta Stone Linguistic Problems, In: Proceedings of the Fourth Workshop on Teaching Natural Language Processing, Sofia, Bulgaria, August 4–9, 2013, pp. 1-8, ISBN: 978-1-937284-69-5.
31. **Braynov, S.**, What Trust Is and Is Not: On the Biology of Human Trust, In: Proceedings of the 2013 AAAI Spring Symposium on Trust and Autonomous Systems, Stanford, CA, USA, AAAI Press, AAAI, Stanford University, 3/2013.
32. Brešar, M., **V. Drensky**, Central polynomials for matrices over finite fields, In: Lin. Multilin. Algebra 61, No. 7, 2013, pp. 939-944, IF 0.677, Print ISSN: 0308-1087, Online ISSN: 1563-5139.
33. **Brimkov, V.E.**: Approximability issues of guarding a set of segments, *International Journal of Computer Mathematics*, Taylor & Francis, pp. 1653-1667 (2013) ISSN 0020-7160 (Print), 1029-0265 (Online) IF 0.542

34. **Brimkov, V. E.**, R.P. Barneva, Selected topics of combinatorial image analysis (editorial), *International Journal of Computer Mathematics*, Taylor & Francis, pp. 1568-1570 (2013) ISSN 0020-7160 (Print), 1029-0265 (Online) IF 0.542
35. **Brimkov, V. E.**: On connectedness of discretized objects, International Symposium on Visual Computing, ISVC'13, Lecture Notes in Computer Science 8033 (part 1), pp. 246-254 ISBN: 978-3-642-41913-3 (Print) 978-3-642-41914-0 (Online) SJR 0.33
36. Buck, M., **Iliev, O.**, Andrä, H., Multiscale finite element coarse spaces for the application to linear elasticity, In: Central European Journal of Mathematics, 11 (4), 2013, pp. 680-701, IF 0.405, ISSN:1895-1074 eISSN:1644-3616.
37. Buck, M., **O. Iliev**, H. Andrae, Multiscale coarsening for linear elasticity by energy minimization, In: Numerical Solution of Partial Differential Equations: Theory, Algorithms and their Applications, Springer Proceedings in Mathematics & Statistics, 45, 2013, pp. 21-44, ISBN: 978-1-4614-7171-4 (Print) 978-1-4614-7172-1 (Online).
38. Camus, A., **D. Paneva-Marinova, D. Luchev**, Digital Humanities: Challenges of the Transformation of Tools and Objects of Knowledge in Contemporary Humanities, In: Proceedings of the UNESCO International Conference on Digital Presentation and Preservation of Cultural and Scientific Heritage, September 18-21, 2013, Veliko Tarnovo, Bulgaria, Issue: III, pp. 109-119, ISSN: 1314-4006.
39. Chakraborty, S., **G.P. Yanev**, One characterization of exponential distribution, In: Journal of Statistics Applications and Probability, Natural Sciences Publishing, 2 (3), 2013, pp. 237-242, ISSN: 2090-8423.
40. **Chipchakov, I. D.**, Lower bounds and infinity criterion for Brauer p-dimensions of finitely-generated field extensions, In: C.R. Acad. Bulg. Sci. 66, No. 7, 2013, pp. 923-932, IF 0.211, ISSN: 1310-1331.
41. **Chobanov, G., N. Kutev**, Gradient estimates and gradient blow up of viscosity solutions to degenerate elliptic equations on “interior boundaries”, In: Comp. R. Acad. Bulgare Sci., 66, No4, (2013), pp. 477-484, IF(2012) 0.211, ISSN: 1310-1331.
42. **Chobanov, G., N. Kutev**, Interior boundaries for degenerate elliptic equations of second order. Some theory and numerical observations, In: Pliska Stud. Math. Bulgar., 21, pp. 247-256, 2012 (printed 2013), ISSN: 0204-9805.
43. Cózar, J.R., V. Zeljković, J.M. González-Linares, N. Guil, C. Tameze, **V. Valev**, A Framework for TV logos learning using linear inverse diffusion filters for noise removal, In: Proceedings of the 2013 International Conference on High Performance Computing & Simulation, HPCS 2013, Helsinki, Finland, 1-5 July, 2013, pp. 621-625, Print ISBN: 978-1-4799-0836-3 DOI: 10.1109/HPCSim.2013.6641477.
44. Dackova, D., **P. Mateev**, Classification of texts' authorship using a regression model on compressed data, In: Pliska Studia Mathematica Bulgarica, vol. 22, 2013, pp. 25-32, ISSN: 0204-9805.
45. Dangovski, R., **V. Drensky**, Ş. Fındık, Weitzenböck derivations of free metabelian Lie algebras, In: Linear Algebra Appl. 439, No. 10, 2013, pp. 3279-3296, IF 0.968, ISSN: 0024-3795.

46. **Davidov, J., O. Mushkarov**, D. Ali, Compatible almost complex structures on twistor spaces and their Gray-Hervella classes, In: *Journal of Geometry and Physics*, 75, 2014, pp. 213-229, IF 1.055, ISSN: 0393-0440.
47. **Davidov, J., O. Mushkarov**, D. Ali, Twistor Spaces with Positive Holomorphic Bisectional Curvature, *C. R. Acad. Bulg. Sci.* 66, 2013, pp. 339–334, IF 0.211, ISSN: 1310-1331.
48. **Derzhanski, I.**, Multilingual Editing of Linguistic Problems. In: Proceedings of the Fourth Workshop on Teaching Natural Language Processing, Sofia, Bulgaria, August 4–9, 2013, pp. 27-34, ISBN: 978-1-937284-69-5.
49. Dilworth, S.L., **D. Kutzarova**, N.Radrianarivony, **J.P.Revalski**, **N.V.Zhivkov**, In: *J. Math. Anal. Appl.*, 402, 2013, pp. 297-307, IF 1.3, ISSN: 0022-247x.
50. **Dimiev, S.**, P. Stoev, St. Stoilova, Matrix anticirculant calculus, *AIP Conf. Proc.* 1570, 409-415, 2013, SJR 0.161, ISSN: 0094-243X.
51. **Dimitrova, L., R. Dutsova**, Web-Application for the Presentation of Bilingual Corpora (Focusing on Bulgarian as one of the two paired Languages). In: *Journal Cognitive Studies/Études Cognitives*. Vol. 13, SOW, Warsaw, 2013, pp. 183-193, ISSN: 2080-7147, DOI: 10.11649/cs.2013.012, IF [ERIH nat]
52. **Dimitrova, L.**, V. Koseska-Toszewska, Bulgarian-Polish Language Resources (Current State and Future Development), In: *Journal Cognitive Studies/Études Cognitives*. Vol. 13, SOW, Warsaw, 2013, pp. 161-170, ISSN: 2080-7147, DOI: 10.11649/cs.2013.010, IF [ERIH nat]
53. **Dimitrova, N. S., M. I. Krastanov**, Generalization of the Concept for Biological Control in the Chemostat, In: *WSEAS Transactions on Biology and Biomedicine*, Issue 4, Vol. 9, October 2012, pp. 93-102. e-ISSN: 2224-2902, SJR Index 0.11/2012.
54. **Dimitrova, N. S., M. I. Krastanov**, Output Feedback Stabilization of an Anaerobic Digestion Model, In: *Comp. Rend. Acad. Bulg. Science*, vol. 66, No. 4, 2013, pp. 493-502, ISSN: 1310-1331, IF 0.211/2012.
55. **Dimitrova, N. S.**, Optimizing the Productivity in a Chemostat Model of Plasmid-bearing Plasmid-free Competition: the Case of General Uptake Functions. *WSEAS Transactions on Biology and Biomedicine*, Vol. 10, Issue 1, 2013, pp. 12-21, e-ISSN: 2224-2902, SJR Index 0.11/2012
56. **Dimitrova, N.**, From King's Dream to Pupil's Dream. Mathematics and Education in Mathematics, In: Proc. 42nd Spring Conf. of UBM, 2013, pp. 102-112. ISSN: 1313-3330 (invited talk)
57. **Dimitrova, N.**, On the Asymptotic Stabilization of a Chemostat Model of Plasmid-bearing, Plasmid-free Competition, In: *Chaos and Complex Systems*, Proc. 14th International Chaos Symposium 2012, S. G. Stavrinides, S. Banerjee, H. Caglar, M. Ozer (eds.), Springer Complexity Series, 2013, pp. 357-362, ISBN: 978-3-642-33913-4.
58. **Dimkov G.**, T. Trifonov, I. Simeonov, Improving the visualization of scalograms by means of transformation in the complex plane, In: *Proceedings of the Forty Second*

- Spring Conference of the Union of Bulgarian Mathematicians, Borovetz, April 2–6, 2013, pp. 218-221, ISSN: 1313-3330.
59. **Dimova, M., D. Vasileva**, Comparison of two numerical approaches to Boussinesq paradigm equation, In: Lecture Notes in Computer Science, 8236, 2013, pp. 255-262, SJR 0.332, ISSN: 0302-9743.
 60. **Dimova, M., S. Dimova, D. Vasileva**, Numerical Investigation of a New Class of Waves in an Open Nonlinear Heat-Conducting Medium, In: Cent. Eur. J. Math., 11, 2013, pp. 1375-1391, IF 0.440, ISSN: 1895-1074.
 61. Dimova, S., **M. Dimova, D. Vasileva**, Structures and waves in a nonlinear heat-conducting medium, In: Springer Proc. in Math. & Statistics, 45, 2013, pp. 157-184, ISSN: 2194-1009.
 62. Doncheva, S., M. Moustakas, K. Ananieva, M. Chavdarova, E. Gesheva, R. Vassilevska, **P. Mateev**, Plant response to lead in the presence or absence EDTA in two sunflower genotypes (cultivated *H. annuus* cv. 1114 and interspecific line *H. annuus*×*H. argophyllus*), In: Environmental Science and Pollution Research, Springer, vol. 20 (2), 2013, pp. 823–833, ISSN: 0944-1344.
 63. **Dontchev, A. L., M. I. Krastanov**, R. T. Rockafellar, **V. M. Veliov**, An Euler–Newton continuation method for tracking solution trajectories of parametric variational inequalities, In: SIAM J. Control Optim, Vol. 51, No. 3, 2013, pp. 1823-1840, IF 1.518/2012.
 64. **Dontchev, A.L.**, H. Frankowska, Lyusternik-Graves theorem and fixed points II, In: J. Convex Analysis 19, 2012 (printed 2013), pp. 955-973, ISSN: 0944-6532.
 65. **Dontchev, A.L.**, H. Frankowska, On derivative criteria for metric regularity, In: Computational and Analytical Mathematics: In Honor of Jonathan Borwein's 60th Birthday, Springer Proceedings in Mathematics Statistics 16, pp. 361-370, ISSN: 2194-1009.
 66. **Dontchev, A.L., M. Krastanov**, R.T. Rockafellar, **V.M. Veliov**, An Euler–Newton continuation method for tracking solution trajectories of parametric variational inequalities, In: SIAM J. Control Optim., 51, 3, 2013, pp. 1823-1840, ISSN: 0363-0129(p), 1095-7138(e).
 67. **Dontchev, A.L.**, R.T. Rockafellar, Convergence of inexact Newton methods for generalized equations, In: Math. Programming B 139, 2013, pp. 115-137, IF 2.090, ISSN: 0025-5610(p), 1436-4646(e).
 68. **Dontchev, A.L.**, R.T. Rockafellar, Parametric stability of solutions to problems of economic equilibrium, In: J. Convex Analysis 19, 2012 (printed 2013), pp. 975-997, ISSN: 0944-6532.
 69. **Draganov, B.**, An improved Jackson inequality for best trigonometric approximation, Укр. мат. журн., 65/2013, pp. 1211-1218, ISSN: 1027-3190.
 70. Driesen, N., G. McCarthy, Z. Bhagwagar, M. Bloch, V. Calhoun, D.C. D'Souza, **R. Gueorguieva**, G. He, R. Ramachadran, R. Suckow, A. Anticevic, P.T. Morgan, J.H.

- Krystal, Relationship of resting brain hyperconnectivity and schizophrenia-like symptoms produced by the NMDA receptor antagonist ketamine in humans, In: Molecular Psychiatry, 2013(18), pp.1199-1204, ISSN: 1359-4184.
71. Driesen, N.R., G. McCarthy, Z. Bhagwagar, M.H. Bloch, V.D. Calhoun, D.C. D'Souza, **R. Gueorguieva**, G. He, H.C. Leung, R. Ramani, A. Anticevic, R.F. Suckow, P.T. Morgan, J.H. Krystal, The Impact of NMDA Receptor Blockade on Human Working Memory-Related Prefrontal Function and Connectivity, In: Neuropsychopharmacology, 2013 Jul 16. doi: 10.1038/npp.2013.170. [Epub ahead of print], ISSN: 0893-133X.
72. **Dutsova, R., L. Dimitrova**, Software System for Processing Bulgarian Digital Resources: Parallel Corpora and Bilingual Dictionaries. In: Gajdošová, K., Žáková, A. (Eds.), Natural Language Processing, Corpus Linguistics, E-learning. Proceedings of 7th International Conference SLOVKO'2013, 13-15 November 2013, Bratislava, Slovakia, pp. 40-50, Lüdenscheid: RAM-Verlag, ISBN: 978-3-942303-18-7.
73. **Dutsova, R.**, Web-application for Presentation of Bulgarian Language Heritage: Bilingual Digital Corpora and Dictionaries. In: Proceedings of the UNESCO International Conference on Digital Presentation and Preservation of Cultural and Scientific Heritage, September 18-21, 2013, Veliko Tarnovo, Bulgaria, Issue: III, pp. 99-108, ISSN: 1314-4006.
74. Efendiev, Y., **Iliev, O.**, Kronsbein, C. Multilevel Monte Carlo methods using ensemble level mixed MsFEM for two-phase flow and transport simulations, In: Computational Geosciences, 17 (5), 2013, pp. 833-850, IF 1.422, ISSN: 1420-0597 (Print), 1573-1499 (Online).
75. Fabricant, A., **N. Kutev, T. Rangelov**, Hardy type inequalities with double singular kernels, In: Centr. Europ. J. Math. 11:9, pp. 1689-1697, 2013, IF 0.405, ISSN: 1895-1074.
76. Fabricant, A., **N. Kutev, T. Rangelov**, New Hardy-type inequalities with singular weights, Pliska Stud. Math. Bulgar., 21, 237-246, 2012 (printed 2013), ISSN: 0204-9805.
77. Galabova, M., **A. Eskenazi**, An attempt to apply Lean principles and practices to Scrum, Proc. 9th Annual Int. Conf. on Computer Science and Education in Computer Science, Fulda, 2013, pp.37-40, ISSN: 1313 – 8624.
78. **Ganchev, G., V. Milousheva**, Marginally trapped meridian surfaces of parabolic type in the four-dimensional Minkowski space, In: International Journal of Geometric Methods in Modern Physics., 2013, 10 (10), Article ID: 1350060, 17 pp, IF 0.951, ISSN: 0219-8878.
79. **Ganchev, G., V. Milousheva**, Timelike surfaces with zero mean curvature in Minkowski 4-space, In: Israel Journal of Mathematics, 2013, 196, pp. 413-433, IF 0.646, ISSN: 0021-2172.
80. Garloff, J., **Popova E. D.**, A. Smith, Solving Linear Systems with Polynomial Parameter Dependency with Application to the Verified Solution of Problems in Structural Mechanics, In: A. Chinchuluun et al. (eds.) Optimization, Simulation, and Control, Springer Optimization and Its Applications, vol. 76, 2013, pp. 301-318, doi:

10.1007/978-1-4614-5131-0_19, ISBN: 978-1-4614-5130-3 Copyright Springer Science+Business Media New York, 2013.

81. Georgiev, B., **N. Ribarska**, On a Sweeping Process with the Cone of Limiting Normals, In: C.R.Acad. Bulgare Sci, v.66, no.5, 2013, pp. 635-642, IF 0.211, ISSN: 1310-1331.
82. Georgiev, B., **N. Ribarska**, On Sweeping Process with the Cone of Limiting Normals, In: Set-Valued and Variational Analysis, v.21, no.4, 2013, pp. 673-689, IF 1.036, ISSN: 1877-0533(p), 1877-0541(e).
83. **Georgiev, I.**, J. Kraus, Preconditioning of elasticity Problems with discontinuous Material Parameters, In: Numerical Mathematics and Advanced Applications 2011, A. Cangiani et al. (eds.), Springer, 2013, pp 761-769, ISBN: 978-3-642-33134-3.
84. **Georgiev, V.**, A. Stefanov, Global regularity for the quadratic Klein-Gordon equation, In: CPDE 2013, 38 (8), pp. 1287 – 1312, ISSN: 0360-5302 (Print), 1532-4133 (Online).
85. **Georgieva, I.**, C. Hofreither, C. Koutschan, V. Pillwein, T. Thanatipanonda, Harmonic Interpolation Based on Radon Projections Along the Sides of Regular Polygons, In: Central European Journal of Mathematics, 11(4), 2013, pp. 609-620, IF 0.41, ISSN: 1895-1074.
86. **Georgieva, I.**, Clemens Hofreither, Interpolation of harmonic functions based on Radon projections, Numerische Mathematik, November 2013, DOI:10.1007/s00211-013-0592-y, 2012 IF 1.329, ISSN: 0029-599X.
87. Georgieva, M., N. Razkazov, M. Petrova, G. Avdeev, **D. Dobrev**, Obtaining of Chemical Dispersion Coatings with Included Boron Nitride, In: Journ. of Transact. of the Instit. of Metal Finishing, ISSN: 0020-2967, 91 (2), 2013, pp. 96-100, IF 1.234, Print ISSN:0020-2967
88. Geske, J., **P. Stanchev**, Next-Generation Internet. In: Proc. 17th International Conference on Distributed Computer and Communication Networks (DCCN-2013) - Control, Computation, Communications, Moscow, 2013, pp. 8-10, ISBN: 978-5-94836-366-0.
89. Geske, J., **P. Stanchev**, The Future of the Next Generation Internet and Possible Applications into Education and Culture Heritage. In: Proceedings of the UNESCO International Conference Digital Presentation and Preservation of Cultural and Scientific Heritage, Sofia, Issue: III, 2013, pp. 17-24, ISSN: 1314-4006.
90. Goberna, M.A., A.Iusem, J. E. Martínez-Legaz, **M.I. Todorov**, Motzkin decomposition of closed convex sets via truncation, In: JMAA, Volume 400, Issue 1, 1 April 2013, pp. 35-47, IF 1.3, DOI: 10.1016/j.jmaa.2012.10.072, ISSN: 0022-247X.
91. Goberna, M.A., F. Guerra, **M.I. Todorov**, Constraint qualifications in linear vector semi-infinite optimization, In: EJOR, Vol. 227, 2013, pp. 12-21, IF 1.627, DOI: 10.1016/j.ejor.2012.09.006, ISSN: 0377-2217.
92. Gragn. D., **Trendafilov, N. T.**, and Jolliffe, I. T. (2013) A clustering approach to interpretable principal components, *Journal of Applied Statistics*, 40, 583–599. IF 0.449, ISSN: 0266-4763.

93. **Gramchev, T.**, M. Ruzhansky, Cauchy problem for some 2×2 hyperbolic systems of pseudo-differential equations with nondiagonalisable principal part. (English) Cicognani, Massimo (ed.) et al., Studies in phase space analysis with applications to PDEs. In part selected papers based on the presentations at a meeting, Bertinoro, Italy, September 2011. New York, NY: Birkhäuser/Springer. Progress in Nonlinear Differential Equations and Their Applications 84, 2013, pp. 129–145, ISBN 978-1-4614-6347-4/hbk; 978-1-4614-6348-1/ebook.
94. Grigorova, D., **R. Gueorguieva**, Implementation of EM algorithm for maximum likelihood estimation of random effects model for longitudinal ordinal outcome, In: Pliska Studia Mathematica Bulgarica, 22, 2013, pp. 41–56, ISSN: 0204-9805.
95. Grilo, C., M. White, **R. Gueorguieva**, G.T. Wilson, R.M. Masheb, Predictive significance of the overvaluation of shape/weight in obese patients with binge eating disorder: Findings from a randomized controlled trial with 12-month follow-up, In: Psychological Medicine, 43(6), 2013, pp. 1335–44, ISSN: 0033-2917.
96. Grilo, C., M.A. White, **R. Gueorguieva**, R.D. Barnes, R.M. Masheb, Self-help for binge eating disorder in primary care: A randomized controlled trial with ethnically and racially diverse obese patients, In: Behavior Research and Therapy, 51, 2013, pp. 855–861, ISSN: 0005-7967.
97. **Guelev, D.**, Reducing Validity in Epistemic ATL to Validity in Epistemic CTL, In: Proceedings 1st International Workshop on Strategic Reasoning (SR 2013), 2013, pp. 81–89, <http://dx.doi.org/10.4204/EPTCS.112.13>, EPTCS 112, ISSN: 2075-2180.
98. **Gueorguieva, R.**, R. Wu, J. Krystal, D. Donnovan, S. O’Malley, Temporal patterns of adherence to medications and behavioral treatment and their relationship to patient characteristics and treatment response, In: Addictive Behaviors, 38(5), 2013, pp. 2119–2127, ISSN: 0306-4603.
99. **Gueorguieva, R.**, Random effects models for joint analysis of repeatedly measured discrete and continuous outcomes. In “Analysis of Mixed Data” eds. A.R. de Leon and K. Carriere Chough, Taylor and Francis, LLC, 2013, pp. 109–124, ISBN: 978-1-4398-8471-3.
100. Gunduz-Bruce, H., S. Oliver, **R. Gueorguieva**, K. Forselius-Bielen, D.C. D’Souza, Z. Zimolo, C. Tek, S. Ray, G. Petrides, Efficacy of Pimozide Augmentation for Clozapine Partial Responders with Schizophrenia, In: Schizophrenia Research, 143, 2013, pp. 344–347, ISSN: 0920-9964.
101. Hakkaev, S., **I. D. Iliev**, Kiril Kirchev, Stability of periodic traveling waves for the quadratic and cubic nonlinear Schroedinger equations, Int. J. Bifurcat. Chaos 23 (2013), no. 5, paper no. 1350090, 20 pp. IF 0.921 (2012), Print ISSN: 0218-1274. Online ISSN: 1793-6551.
102. Hull, D., M. Mota, **G.P. Yanev**, Time to extinction in subcritical two-sex branching processes, In: Methodology and Computing in Applied Probability, Springer, 12 pages, ISSN: 1387-5841, published online.

103. Huynh, L., **P. Stanchev**, Virtual Celebrator Machine. In: Proceedings of the UNESCO International Conference Digital Presentation and Preservation of Cultural and Scientific Heritage, Sofia, Issue: III, 2013, pp. 63-71, ISSN: 1314-4006.
104. Hyrien, O., K. V. Mitov, **N. M. Yanev**, Supercritical Markov Branching Processes with Non-Homogeneous Poisson Immigration, In: Pliska – Studia Math. Bulg. 22, 2013, pp. 57-70. ISSN: 0204-9805.
105. Hyrien, O., K.V. Mitov, **N. M. Yanev**, Limit theorems for supercritical Markov branching processes with non-homogeneous Poisson immigration, In: CRABS, T. 66, No. 4, 2013, pp. 485-492, ISSN: 1310-1331.
106. Ikehata, R., Grozdene Todorova, **B. Yordanov**, Optimal decay rate of the energy for wave equations with critical potential, In: J. Math. Soc. Japan, Volume 65, Number 1, 2013, pp. 183-236, IF 0.550, ISSN 1881-1167
107. Ikehata, R., Grozdene Todorova, **Borislav Yordanov**, Wave equations with strong damping in Hilbert spaces, In: Journal of Differential Equations, Volume 254, Issue 8, 15 April 2013, pp. 3352–3368, IF 1.480, ISSN: 0022-0396
108. **Iliev, O.**, G. Printsypar, S. Rief, A two-dimensional model of the pressing section of a paper machine including dynamic capillary effects, In: Journal of Engineering Mathematics, 83 (1), 2013, pp. 81-107, IF 1.075, ISSN: 0022-0833 (print), ISSN: 1573-2703 (electronic).
109. **Iliev, O.**, Lakdawala, Z., Starikovicius, V. On a numerical subgrid upscaling algorithm for Stokes-Brinkman equations, In: Computers and Mathematics with Applications, 65 (3), 2013, pp. 435-448, IF 2.069, ISSN: 0898-1221.
110. **Ivanov K., P. Petrushev**, Highly effective evaluation and reconstruction of geodetic quantities on the sphere, In the Proceedings of the ASPRS 2013 Annual Conference, Baltimore, March, 2013.
111. **Ianova, Kr. B.**, K. Vanhoof, **Kr. Markov**, V. Velychko, Introduction to the Natural Language Addressing, In: International Journal Information Technologies & Knowledge, Vol.7, Number 2, 2013, pp. 139-146, ISSN: 1313-0455 (printed), 1313-048X (online).
112. **Ianova, Kr. B.**, K. Vanhoof, **Kr. Markov**, V. Velychko, Introduction to Storing Graphs by NL-Addressing, In: International Journal Information Theories and Applications, Vol.20, Number 3, 2013, pp. 263-284, ISSN: 1310-0513 (printed), 1313-0463 (online).
113. **Ianova, Kr. B.**, K. Vanhoof, **Kr. Markov**, V. Velychko, Storing Dictionaries and Thesauruses Using NL-Addressing, In: International Journal Information Models and Analyses, Vol.2, Number 3, 2013, pp. 239- 251, ISSN: 1314-6416 (printed), 1314-6432(online).
114. Jansen, W., R. Barbera, M. Drescher, A. Fresa, M. Hemmje, Y. Ioannidis, N. Meyer, N. Poole, **P. Stanchev**, The Future in e-Infrastructures for Digital Libraries. In: Research and Advanced Technology for Digital Libraries, Lecture Notes in Computer Science, 8092, 2013, pp. 480-481, ISBN: 978-3-540-23013-7.

115. **Kanев, V.**, Unirationality of Hurwitz spaces of coverings of degree ≤ 5 ., In: Int. Math. Res. Not. IMRN 2013, no. 13, pp. 3006–3052., IF 1.116 (2012), doi: 10.1093/imrn/rns138, Online ISSN: 1687-0247, Print ISSN: 1073-7928.
116. Kaposi, G., T. Szkaliczki, M. Márkus, **D. Luchev, M. Goynov, D. Panева-Marinova**, Mobile Exploring of the Bulgarian Iconography through QR Codes in the GUIDE@HAND Tourist Guide Application, In: Proceedings of the UNESCO International Conference on Digital Presentation and Preservation of Cultural and Scientific Heritage, September 18-21, 2013, Veliko Tarnovo, Bulgaria, Issue: III, pp. 44-52, ISSN: 1314-4006. (Best Paper Award)
117. Kappeler, T., B. Schaad, **P. Topalov**, Qualitative Features of Periodic Solutions of KdV, In: Communications in Partial Differential Equations, Volume 38, Issue 9, 2013, IF 1.025, ISSN: 0360-5302 (Print), 1532-4133 (Online).
118. Kappeler, T., H. Inci, **P. Topalov**, On the regularity of the composition of diffeomorphisms, In: Memoirs of the American Mathematical Society, Volume 226, Number 1062, 2013, IF 0.982, ISSN 1947-6221 (online); ISSN 0065-9266 (print).
119. **Karadzhov, G. E.**, Q. Mehmood, Optimal regularity properties of generalized Sobolev spaces, In: Journal of Function Spaces and Applications, 2013(2013), IF 0.500, ISSN: 2090-8997.
120. **Karadzhov, G. E.**, Q. Mehmood, Optimal embeddings of the generalized Sobolev spaces in Hölder-Zygmund spaces, In: C.r. de l'Acad. Bulgare des Sci., 66(2013), 777-784, IF 0.211, ISSN:1310-1331.
121. **Karadzhov, G. E.**, Q. Mehmood, Optimal regularity properties of the Riesz potential operator, In: Communications in Math. Analysis, 14, 2013, pp. 118-132, ISSN: 1938-9787 (electronic)
122. **Kenderov, P.S., J.P. Revalski**, Computational and Analytical Mathematics, In: D.H.Bailey et al. (eds.), Springer Proceedings in Mathematics and Statistics, volume 50, pp. 445-454, ISSN: 2194-1009, ISBN: 978-1-4614-7620-7.
123. Kerimoglu, B., A. Neuman, J. Paul, **D.G. Stefanov**, R. Twersky, Anesthesia induction using video glasses as a distraction tool for the management of preoperative anxiety in children. Anesthesia and Analgesia [2013, 117(6):1373-1379] ,DOI: 10.1213/ANE.0b013e3182a8c18f, IF 3.30, ISSN: 0003-2999.
124. **Kiryakova, V.**, D. Takaci, A.Takaci, Operational and approximate solutions of a fractional integro-differential equation, In: American Institute of Physics Conf. Proc., Volume 1570, 2013, pp. 430-441 (AMEE '13), SJR 0.161, ISSN: 0094-243X, ISBN 9780-7354-1198-2.
125. **Kiryakova, V.**, Yu. Luchko, Riemann-Liouville and Caputo multiple Erdélyi-Kober operators, In: Central European Journal of Physics, Volume 11, No 10, 2013, pp. 1314-1336, IF 0.905, DOI: 10.2478/s11534-013-0217-1; pISSN: 1895-1082, eISSN: 1644-3608.

126. **Kiryakova, V.**, Yu. Luchko, The Mellin integral transform in fractional calculus, In: Fractional Calculus and Applied Analysis, Volume 16, No 2, 2013, pp 405-430; DOI: 10.2478/s13540-013-0025-8; pISSN: 1311-0454, eISSN: 1314-2224.
127. **Kolev, E.**, How to have a wrong bet in football pools, In: CR Acad. Bulg. Sc., vol. 66, No. 3, 2013, pp. 315-321, ISSN: 1310 1331.
128. **Kolkovska, N.**, Four-level Conservative Finite-difference Schemes for Boussinesq Paradigm Equation, In: AIP Conf. Proc., 1561, 2013, pp. 68-74, SJR 0.161, ISSN: 0094-243X.
129. **Kolkovska, N., K. Angelow**, A Multicomponent Alternating Direction Method for Numerical Solution of Boussinesq Paradigm Equation In: Lecture Notes in Computer Science, 8236, 2013, pp. 371- 378, SJR 0.332, ISSN: 0302-9743.
130. **Kounchev O.**, H. Render, Error estimates for polyharmonic cubature formulas, Dolomites research notes on approximation, vol. 6, 2013, pp. 62-73, ISSN: 2035-6803.
131. **Kovacheva, R.**, Maximally convergent sequences of multipoint Padé approximants and distribution of points of interpolation, In: AMEE 2013, AIP Conference Proceedings 1570, 2013, 401 - 410, SJR 0.161, ISSN: 0094-243, ISBN 978-07354-1198-2.
132. **Krastanov, M. I.**, M. Quincampoix, On the small-time controllability of discontinuous piece-wise linear systems, In: Systems Control Letters, vol. 62, No. 2, 2013, pp. 218-223, IF 1.222/2012
133. Kreinovich, V., W. Luther, **E. D. Popova**, Special issue on “uncertainty modeling and analysis with intervals: foundations, tools, applications”, In: Soft Computing, 17, 2013, pp. 1315-1317. ISSN: 1432-7643, IF = 1.124.
134. **Kutev, N., N. Kolkovska, M. Dimova**, Global existence of Cauchy problem for Boussinesq paradigm equation, In: Computers and Mathematics with Applications, v. 65, 2013, pp. 500-511, IF(2012) 2.069, ISSN: 0898-1221.
135. **Kutev, N., N. Kolkovska, M. Dimova**, Global Solvability to Generalized Boussinesq Equation with Bernoulli Type Nonlinearities via Nonstandard Potential Well Method, In: AIP Conference Proceedings, v. 1561, 2013, pp. 297-308, SJR(2012): 0.161, ISSN: 0094-243X.
136. **Kyurkchiev, N., A. Iliev**, On some multipoint methods arising from optimal in the sense of Kung-Traub algorithms, In: International Journal of Mathematical Methods and Models in Biosciences, 2 (1), 2013, ISSN: 1314-684X (print), ISSN: 1314-7218 (online), Article ID: 1305155, <http://dx.doi.org/10.11145/j.biomat.2013.05.155>.
137. **Kyurkchiev, N.**, On a method of Bl. Sendov, In: Proceedings of the Forty Second Spring Conference of the Union of Bulgarian Mathematicians, Borovetz, Bulgaria, April, 2013, pp. 295-299, ISSN: 1313-3330.
138. **Kyurkchiev, N.**, Refinement of some iterative algorithms for solving system of linear equations, In: Compt. rend. Acad. bulg. Sci., 65 (12), 2012 (printed in 2013), pp. 1657-1664, ISSN: 1310-1331.

139. **Landjev, I.**, A. Rousseva, Extendability of arcs and codes, In: Proc. Intern. Conference of Computer Science and Education in Computer Science, Fulda-Wuerzburg, 29.06.-02.07.2013, pp. 73-75, ISSN: 1313-8624.
140. **Landjev, I.**, Notes on a Feistel type block cipher, In: Proc. Intern. Conference of Computer Science and Education in Computer Science, Fulda-Wuerzburg, 29.06-02.07.2013, pp. 37--41, ISSN: 1313-8624.
141. **Landjev, I.**, P. Vandendriesche, On the rank of incidence matrices in projective Hjelmslev spaces, In: Proc. Intern. Workshop on Coding Theory and Cryptography (WCC13), 15-19.04.2013, Bergen, Norway, pp. 459-465, ISBN 978-82-308-2269-2
142. Lazzaro, E.C., A. Mallick, M. Singh, I. Reich, S. Elmann, **D.G. Stefanov**, D.R. Lazzaro, The Effect of Positional Changes on Intraocular Pressure During Sleep in Patients With and Without Glaucoma, In: Journal of Glaucoma, 2013, IF 1.865, ISSN: 1536-481X.
143. Levant, R.F., **D. G. Stefanov**, T.J. Rankin, M.J. Halter, C. Mellinger, C.M. Williams, Moderated path analysis of the relationships between masculinity and men's attitudes toward seeking psychological help, In: Journal of Counseling Psychology, Vol 60(3), Jul 2013, pp. 392-406, IF 2.628, doi: 10.1037/a0033014, ISSN: 0022-0167.
144. **Luchev, D.**, **D. Paneva-Marinova**, L. Pavlova-Dranova, **R. Pavlov**, New Digital Fashion World, In: CompSysTech'13 Proceedings of the 14th International Conference on Computer Systems and Technologies, ACM ICPS Vol. 767, ACM Inc., NY, USA, 2013, pp. 270-275, ISBN: 978-1-4503-2021-4.
145. Manev, Kr., **N. Maneva**, Using the source code for modernization of legacy systems, In: Proc. 9th Annual Int. Conf. on Computer Science and Education in Computer Science, Fulda, 2013, pp.113-118, ISSN: 1313 – 8624.
146. **Maneva, N.**, Peopleware: a crucial success factor for software development. In: Proc. Int. Conf. ISGT'13, 2013, pp.73-80, ISSN: 1314-4855.
147. Manolis, G.D., K.Makra, P.Dineva, **T.Rangelov**, Seismic motions in a non-homogeneous soil deposit with tunnels by a hybrid computational technique. Earthquake and Structures, In: An International Journal 5:2, 161-205, 2013, IF 1.381, ISSN 2092-7614.
148. **Markov, Kr.**, K. Vanhoof, **I. Mitov**, B. Depaire, **Kr. B. Ivanova**, V. Velychko, V. Gladun, Intelligent Data Processing Based on Multi-Dimensional Numbered Memory Structures, Diagnostic Test Approaches to Machine Learning and Commonsense Reasoning Systems, IGI Global, 2013. pp. 156-184, doi:10.4018/978-1-4666-1900-5.ch007, ISBN: 978 1-4666-1900-5 (hard cover); EISBN: 978-1-4666-1901-2 (e-book).
149. **Markov, Kr.**, K. Vanhoof, **I. Mitov**, B. Depaire, **Kr. B. Ivanova**, V. Velychko, V. Gladun, Intelligent Data Processing Based on Multi-Dimensional Numbered Memory Structures. Data Mining: Concepts, Methodologies, Tools, and Applications, IGI Global, 2013, pp. 445-473, doi:10.4018/978-1-4666-2455-9.ch022; ISBN13: 978-1-4666-2455-9; EISBN13: 978-1-4666-2456-6

150. **Markov, Kr., Kr. B. Ivanova**, V. Velychko, Usefulness of Scientific Contributions, In: International Journal Information Theories and Applications, Vol.20, Number 1, 2013, pp. 4-38, ISSN: 1310-0513 (printed), ISSN: 1313-0463 (online).
151. **Markov, S.**, Cell Growth Models Using Reaction Schemes: Batch Cultivation, Biomath, vol. 2, No 2, 2013, <http://dx.doi.org/10.11145/j.biomat.2013.12.301>, ISSN 1314-7218 (online) ISSN 1314-684X (print)
152. Milanov, K., **O. Kounchev**, F.J. Fabozzi, Y.Sh. Kim, S.T. Rachev, A Binomial-Tree Model for Convertible Bond Pricing, In: The Journal of Fixed Income, Winter 2013, Vol. 22, No. 3, pp. 79-94, SJR 0.62, ISSN: 1059-8596.
153. **Milousheva, V.**, Marginally trapped surfaces with pointwise 1-type Gauss map in Minkowski 4-space, In: International Journal of Geometry, 2 (1), 2013, pp. 34-43, ISSN-L: 2247-9880.
154. **Minchev, Z.**, Integrated Border Security Aspects: Bulgarian Academic Experience and Development Perspectives, In: Proceedings of International Conference “The Eastern Partnership: Assessment of Past Achievements and Future Trends”, Bucharest, Romania, 24-25 November, 2012, Military Publishing House, pp. 346-355, ISBN: [978-973-32-0929-4](#). (излязла 2013 г.)
155. **Mitov, I.**, B. Depaire, **K. Ivanova**, K. Vanhoof, Classifier PGN: Classification with High confidence Rules. Serdica Journal of Computing, Vol. 7 (2), 2013, pp. 143-164, ISSN: 1312-6555.
156. Mitov, K.V., **N. M. Yanev**, Sevastyanov branching processes with non-homogeneous Poisson immigration, In: Proceedings of the Steklov Institute of Mathematics, Vol.282, 2013, pp. 172-185, ISSN: 0081-5438.
157. **Mutafchiev, L.**, The size of the largest part of random weighted partitions of large integers. In: Combinatorics, Probability and Computing 22, 2013, pp. 433-454, IF 0.778, ISSN: 09635483.
158. **Nikolov, N.**, Estimates for invariant metrics near non-semipositive boundary points (with N. Q. Dieu and P. J. Thomas), In: J. Geom. Anal. 23, No 2, 2013, pp. 598-610, IF 0.864, ISSN: 598-610, ISSN: 1050-6926 (print version).
159. **Nikolov, N.**, Estimates of invariant metrics on convex domains, In: Ann. Mat. Pura Appl., DOI 10.1007/s10231-013-0345-7, 2013, IF 0.68, ISSN: 0373-3114 (printed version), ISSN: 1618-1891 (electronic version).
160. **Nikolov, N.**, Liouville type theorem on \mathbf{Z}^2 (with **S. Hristova**), In: Carpathian J. Math 29, No 2, 2013, pp. 217-222, IF 0.852, ISSN: 1584–2851 (print), ISSN: 1843–4401 (online).
161. **Nikolov, N.**, On different extremal bases for \mathcal{C} -convex domains (with P. Pflug and P. J. Thomas), In: Proc. Amer. Math. Soc. 141, No 9, 2013, pp. 3223-3230, IF 0.609. ISSN: 0888-6826 (online), ISSN 0002-9939(print).

162. **Nikolov, N.**, On extremums of sums of powered distances to a finite set of points (with R. Rafailov), In: *Geom. Dedicata* 167, No 2, 2013, pp. 69-89, IF 0.465, ISSN: 0046-5755 (Print), ISSN: 1572-9168 (Online).
163. **Nikolov, N.**, Real and complex k -planes in convex hypersurfaces, In: *J. Math. Ann. Anal.*, pp. 846-847, IF 1.05, ISSN: 0022-247X (printed), ISSN: 1096-0813 (electronic).
164. **Nikolov, N.**, Rigid characterizations of pseudoconvex domains (with P. J. Thomas), In: *Indiana Univ. Math. J.* 61, No 3, 2012 (printed 2013), pp. 1313-1323, IF 0.416, ISSN: 0022-2518.
165. **Nikolov, N.**, “Convex” characterization of linearly convex domains (with P. J. Thomas), In: *Math. Scand.* 111, No 2, 2012 (излязла през 2013 г.), pp. 179-186, IF 0.521, ISSN 1903-1807. Online ISSN: 1745-9192.
166. **Palejev, D.** A bimodality test in high dimensions, In: *Serdica J Computing* 6(4), 2012 (printed 2013), pp. 437-450, ISSN: 1312-6555.
167. **Pancheva, E., A. Gacovska**, Asymptotic behaviour of central order statistics under monotone normalization, In: *Theory of Probab. Appl.*, v. 28, 1, 2013, pp. 177-192, ISSN: 0040-585X.
168. **Paneva-Konovska, J.**, Comparison between the convergence of power and Bessel series, In: American Institute of Physics Conf. Proceedings, 1570, 2013, pp. 383-392 (AMEE' 2013), SJR 0.161, ISSN: 0094-243X, ISBN: 978-07354-1198-2.
169. **Paneva-Konovska, J.**, On the multi-index (3m-parametric) Mittag-Leffler functions, fractional calculus relations and series convergence, In: *Central European Journal of Physics*, 11, No 10, 2013, pp. 1164-1177, IF 0.905, DOI: 10.2478/s11534-013-0263-8; p ISSN: 1895-1082, e ISSN: 1644-3608.
170. **Paneva-Marinova, D., D. Luchev, K. Rangochev**, e-Exhibitions for the Bulgarian Folklore, In: Proceedings of the Forty Second Spring Conference of the Union of Bulgarian Mathematicians, Bulgaria, April, 2013, pp. 306-312, ISSN: 1313-3330.
171. **Pashkouleva, D.**, A note on the classes of strongly starlike and strongly close-to-convex functions, In: Mathematics and Education in Mathematics – Proceedings of the Forty Second Spring Conference of the Union of the Bulgarian Mathematicians, 2013, pp. 234 - 239, ISSN: 1313-3330.
172. Pavlova L., **L. Draganov**, Recovering Valuable Artefacts of the Cultural Heritage through Modern Technology and Equipment, In: Proceedings of the UNESCO International Conference on Digital Presentation and Preservation of Cultural and Scientific Heritage, September 18-21, 2013, Veliko Tarnovo, Bulgaria, Issue: III, pp. 235-242, ISSN: 1314-4006.
173. Perenyi, A., J. Amodio, J. S Katz, **D. G. Stefanov**, Clinical utility of corpus callosum measurements in head sonograms of preterm infants: a cohort study, *BMJ Open* 2013; 3:e002499 doi:10.1136/bmjopen-2012-002499 *Paediatrics*, IF 1.583, ISSN: 2044-6055.

174. **Popivanov, P., A. Slavova**, On Ventcel's type boundary condition for Laplace operator in a sector, In: Journal of Geometry and Symmetry in Physics, vol. 31, 2013, pp. 119-130, ISSN 1312 – 5192, e-ISSN 1314 – 5673.
175. **Popivanov, P.**, Boundary value problems for the biharmonic operator violating Lopatinskii conditions, In: C.R.Acad.Bulg. Sci., vol.66:9, 2013, pp. 1231-1238, IF 0.211, ISSN 1310-1331.
176. **Popivanov, P.**, Pseudodifferential operators of principal type, subelliptic estimates for scalar operators and the Neumann problem and some applications, In: Proc. Int.Conf. CAA'13, Sofia, 2013, pp. 204-209, ISBN 978-954-8986-38-0.
177. **Popova E. D.**, M. Hladick, Outer enclosures to the parametric AE solution set, Soft Computing, 17, 2013, pp. 1403-1414, ISSN: 1432-7643, IF = 1.124.
178. **Popova, E. D.**, Inner Estimation of the Parametric Tolerable Solution Set, In: Computers and Mathematics with Applications 66, 2013, pp. 1655-1665, ISSN: 0898-1221, IF = 1.747.
179. **Popova, E. D.**, On “Overestimation-free Computational Version of Interval Analysis”, In: Int. J. for Computational Methods in Engineering Science and Mechanics, 2013, 14(6), pp. 491-494. ISSN: 1550-2287, Scopus SJR = 0.295.
180. Rabinowitz, S. , S. Goli, J. Xu, X. Zhang, A. Nicastri, V. Anderson, **D. Stefanov, S. Schwarz**, Lack of correlation between obesity and gastroesophageal reflux disease (GERD) in a pediatric cohort. Open Journal of Pediatrics, 3, 2013, pp. 317-323. doi: 10.4236/ojped.2013.34057, ISSN Print: 2160-8741, ISSN Online: 2160-8776.
181. **Raikov, G.**, A. Pushnitski, C. Villegas-Blas, A trace formula for eigenvalue clusters of the perturbed Landau Hamiltonian, In: A. Jensen (ed.), XVIIth International Congress on Mathematical Physics, Aalborg, Denmark, 6 – 11 August 2012, World Scientific, Singapore, 2013, pp. 512-519, ISBN: 978-981-4449-23-6.
182. **Raikov, G.**, A. Pushnitski, C. Villegas-Blas, Asymptotic density of eigenvalue clusters for the perturbed Landau Hamiltonian, In: Commun. Math. Phys., 320, 2013, pp. 425-453, IF 1.971, ISSN: 0010-3616.
183. Rakhlin, N., S.A. Kornilov, **D. Palejev**, R.A. Koposov, J.T. Chang, E.L. Grigorenko, The language phenotype of a small geographically isolated Russian-speaking population: Implications for genetic and clinical studies of developmental language disorder, In: Appl Psycholinguist, 34, 2013, pp. 971-1003, doi:10.1017/S0142716412000094, ISSN: 0142-7164.
184. Rakosnik, J., **R. Pavlov**, European Digital Mathematics Library, In: Proceedings of the UNESCO International Conference on Digital Presentation and Preservation of Cultural and Scientific Heritage, September 18-21, 2013, Veliko Tarnovo, Bulgaria, Issue: III, pp. 25-34, ISSN: 1314-4006.
185. **Rangelov, T., A. Slavova**, Dynamic behaviour of piezoelectric solid via CNN approach, In: C. R. Acad. Sci. Bulg, 66:6, 2013, pp. 801-808, 2013, IF 0.211, ISSN 1310-1331

186. **Rangochev, K., M. Goinov**, M. Dimitrova, I. Hristova-Shomova, Enciclopaedia Slavica Sanctorum: Activity, Users, Statistics, In: Proceedings of the UNESCO International Conference on Digital Preservation and Presentation of Cultural and Scientific Heritage, September 18-21, 2013, Veliko Tarnovo, Bulgaria, Issue: III, pp. 81-90, ISSN: 1314-4006
187. Robin, S., **V. T. Stefanov**, Detection of Significant Genomic Alterations via Simultaneous Minimal Sojourns at a State by Independent Continuous-time Markov Chains, In: Methodology and Computing in Applied Probability, 2013, DOI 10.1007/s11009-013-9374-3, ISSN: 1573-7713.
188. **Rusev, P.**, Academician Ljubomir Iliev and the classical complex analysis, In: Serdica Math. J., Vol. 3, No 2, 2013, pp. 5-10, ISSN: 1310-6600.
189. **Rusev, P.**, Representation of holomorphic functions by Schlomilch's series, In: Fract. Calc. Appl. Anal. 16, No 2, 2013, pp. 431-435, DOI: 10.2478/s13540-013-006-7, ISSN: 1311-0454 (print version), ISSN: 1314-2224 (electronic version).
190. Sanchez, I., R. Mangoo-Karim, J.R. Stubbs, **G.P. Yanev**, J.B. Wetmore, Racial and ethnic differences in 25-hydroxyvitamin D levels patients with chronic kidney disease, In: International Urology and Nephrology, Springer, 45 (1), 2013, pp. 181–189, ISSN: 0301-1623, (listed as published online in 2012).
191. Simon, C., B. Skritek, **V.M. Veliov**, Optimal immigration age-patterns in populations of fixed size, In: J. Math. Anal. and Appl., 405, 1, 2013, pp. 71-89, IF 1.3, ISSN: 0022-247X.
192. Siruk, O., **I. Derzhanski**, Linguistic Corpora as International Cultural Heritage: The Corpus of Bulgarian and Ukrainian Parallel Texts, In: Proceedings of the UNESCO International Conference on Digital Presentation and Preservation of Cultural and Scientific Heritage, September 18-21, 2013, Veliko Tarnovo, Bulgaria, Issue: III, pp. 91-98, ISSN: 1314-4006.
193. **Slavova, A., N. Kyurkchiev**, On an implementation of Black-Scholes model for estimation of Call- and Put option via programming environment MATHEMATICA, C. R. Acad. Sci. Bulg. 66:5, pp. 643-650, 2013, IF 0.211, ISSN 13-10-1331.
194. **Slavova, A.**, P.Zecca, M. Markova, Modeling of natural disasters via Cellular Neural Networks approach, In: International Jornal of Environmental Sciences, 2013, pp. 16-26, ISSN 0976 – 4402.
195. **Slavova, A.**, Stabilization Of Coupled Reaction-Diffusion CNN, In: IEEE Proc., ECCTD2013, pp. 56-60, IF2.341, ISBN: 978-3-00-043430-3.
196. **Slavtchova-Bojkova, M.**, Time to extinction in branching processes and its application in epidemiology, In: Pliska Stud. Math. Bulgar. 22, 2013, pp. 101-126, ISSN: 0204-9805.
197. Song, F., X. Wen, L. Na, H. Tao, **D. Danev**, K. Ming, Power allocation for OFDM-based cognitive heterogeneous networks, In: Science China Information Sciences, 56(4), 2013, pp. 1-10, IF=0.298 ISSN 1869-1919 (online), 1674-733X (print).

198. Spyratos, N., **P. Stanchev, K. Ivanova, I. Mitov**. Query Enrichment for Image Collections by Reuse of Classification Rules. In: Proceedings of the UNESCO International Conference Digital Presentation and Preservation of Cultural and Scientific Heritage, Sofia, Issue: III, 2013, pp. 121–125, ISSN: 1314-4006.
199. **Stanchev, P.** Converting a Regular Course into Distance Course. In: Proceedings of the International conference e-Learning, part of IADIS Multi Conference on Computer Science and Information Systems, Prague, 2013, xxii, ISBN 978-972-8939-88-5.
200. **Stanchev, P., G. Simeonov**, Fourth National Information Day and Workshop: Open Access to Scientific Information and Data. In: Proceedings of the UNESCO International Conference Digital Presentation and Preservation of Cultural and Scientific Heritage, Sofia issue: III, 2013, pp. 243-246, ISSN: 1314-4006.
201. **Stefanov, V. T.**, Raimondo Manca. Distributions associated with (k1, k2) events on semi-Markov binary trials, In: Journal of Statistical Planning and Inference, Vol. 143, Issue 7, 2013, pp. 1233-1243, ISSN: 0378-3758, (listed as published online in 2012).
202. **Stoimenova, E.**, Methodology in robust and nonparametric statistics, In: Journal of Applied Statistics, 40:12, 2013, 2773, IF 0.449, DOI: 10.1080/02664763.2013.816029, ISSN: 0266-4763.
203. **Stoimenova, E.**, Rank tests for multi-sample location problem. In: S. Aivazian, P. Filzmoser, and Yu. Kharin, editors, Computer Data Analysis and Modeling, vol. 1 of Proceedings of the 10-th Intern. Conf. Minsk (Plenary Lectures), Minsk, 2013. Publ. center of BSU, pp. 105-111, ISBN: 978-985-553-137-2.
204. Stoynov, Y., **T. Rangelov**, Inverse scattering problems for cracked piezoelectric media, In: AIP conf. Proc. 1561, pp. 318-326, 2013, ISSN: 0094-243X.
205. **Tabov J., S. Hristova**, Modelling of the Organizational and Expert Activities of the Scientists at the Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, in 2005-2010, In: International Journal Information models & analyses, Vol. 2, No. 3, 2013, pp. 223-227, ISSN: 1314-6416, <http://www.foibg.com/ijima/vol02/ijima02-03-p04.pdf>
206. **Tabov, J.**, A. Velchev, Computer-Aided Graphical Solving Of Equations of the Form $f(x) = g(x)$. In: MASSEE International Congres on mathematics, MICOM 2009 16-20 September 2009, Ohrid, FYR Macedonia. Macedonian mathematical society, - Skopje, 2013, pp. 183-189, ISBN: 978-9989-646-40-9.
207. **Tabov, J.**, Model for Astronomical Dating of the Chronicle of Hydatius, In: International Journal Information models & analyses, Vol. 2, No. 1, 2013, pp. 23-36, ISSN: 1314-6416, <http://www.foibg.com/ijima/vol02/ijima02-01-p03.pdf>
208. **Tomanov, G.**, Locally divergent orbits on Hilbert modular spaces, In: Int. Math. Res. Not. IMRN, no. 6, 2013, pp. 1404–1433, IF 1.116, Online ISSN: 1687-0247 - Print ISSN: 1073-7928.
209. **Topalova, S., S. Zhelezova**, On transitive parallelisms of PG(3,4), In: Applicable Algebra in Engineering, Communication and Computing, special issue "Computer Algebra in Coding Theory and Cryptography", Volume 24, Issue 3, 2013, pp. 159-164, ISSN: 1432-0622.

210. **Topalova, S., S. Zhelezova**, Orthogonal resolutions and latin squares, In: *Serdica Journal of Computing* 7 (1), 2013, pp. 13-24, ISSN: 1312-6555.
211. **Trendafilov, N. T.**, Unkel, S., and Krzanowski, W. (2013) Exploratory factor and principal component analyzes: some new aspects, *Statistics and Computing*, 23, 209–220. IF 1.977, ISSN: 0960-3174.
212. **Trendafilov, N. T.** (2013) A direct cardinality constraint approach to sparse principal components (with Adachi, K.), *Proceedings of the 27th Symposium of Japanese Society of Computational Statistics*, pp. 165-168.
213. **Trendafilov, N. T.** (2013) Perfect simple structure factor analysis with alternating least squares algorithm (with Adachi, K.), *Proceedings of the 41st Annual Meeting of the Behaviormetric Society of Japan*, pp. 200-203.
214. **Trendafilov, N. T.** (2013) Sparse factor analysis for identifying optimal perfect simple structure (with Adachi, K.), *Joint Meeting of the IASC Satellite Conference for the 59th ISI WSC and the 8th Asian Regional Section (ARS) of the IASC*, Yonsei University, Seoul, Korea, August 22-23, pp. 285-290.
215. **Troyanski St.** (with V. Fonf, A. Pallares), Isomorphically polyhedral Banach spaces. *J. Math. Physics, Analysis, Geometry* , 9 (2013), 108 - 113. ISSN: 1812-9471, IF=0.289
216. **Troyanski St.** (with W. Kubis, A.Molt'o), Topological properties of the continuous function spaces on some ordered compacta. *Set-Valued Var. Anal.*, 21 (2013), 649 - 659. ISSN: 1877-0533, IF=1.036
217. Unkel, S., **Trendafilov, N. T.** (2013) Zig-zag exploratory factor analysis with more variables than observations, *Computational Statistics*, 28, 107–125. IF 0.482, ISSN: 0943-4062.
218. Vabishchevich, P. N., **O. P. Iliev**, Numerical solution of nonstationary problems for a system of Nernst-Planck equations, In: *Mathematical Models and Computer Simulations*, 5 (3), 2013, pp. 229-243, ISSN: 2070-0482 (print) ISSN: 2070-0490 (electronic).
219. **Valev, V.**, From features to predicates or from symptoms to syndromes in supervised pattern recognition, In: Proceedings of the International Conference on Pattern Recognition Applications and Techniques (ICPRAT) 2013, Chennai, India, 1–2 March 2013, Invited paper, pp. 5-20.
220. **Vragov, G.**, M. Karadecheva, P. Georgiev, **R. Ovcharova**, Digital Library of Collections from Cultural Institutions in Plovdiv. In: Proceedings of the UNESCO International Conference Digital Presentation and Preservation of Cultural and Scientific Heritage, Sofia, Issue: III, 2013, pp. 189-197, ISSN: 1313-1850.
221. Xing, W., Z. Fei, N. Li, Y. Han, **D. Danev**, J. Kuang, Statistically robust resource allocation for distributed multi-carrier cooperative networks, In: *Sci. China Inform. Sci.*, 56(2), 2013, pp. 109-121, ISSN 1869-1919 (online)q 1674-733X (print).
222. **Yanev, G.P.**, S. Chakraborty, Characterization of exponential distribution based on sample of size three, In: *Pliska Studia Mathematica Bulgarica*, 23, 2013, pp. 237-244, ISSN: 0204-9805.

223. Zeljković, V., M. Bojic, C. Tameze, **V. Valev**, Exudates detection and classification algorithm of diabetic patients' retina images, In: Journal of Circuits, Systems, and Computers, JCSC, World Scientific Publishing, Vol.22, No. 2, 2013, pp. 1-15, Print ISSN: 0218-1266 Online ISSN: 1793-6454.
224. Zeljković, V., **V. Valev**, C. Tameze, M. Bojic, Pre-ictal phase detection algorithm based on one dimensional EEG signals and two dimensional formed images analysis, In: Proceedings of the 2013 International Conference on High Performance Computing & Simulation, HPCS 2013, Helsinki, Finland, 1-5 July, 2013, pp. 607-614, Print ISBN: 978-1-4799-0836-3 DOI: 10.1109/HPCSim.2013.6641477.
225. Zemitis, A., **Iliev, О.**, Steiner, K., Klein-Hessling, W., Sonnenkalb, M., Freitag, M., Simulation of multiphysics in a NPP containment using combined codes with different spatial resolution, AIP Conference Proceedings, 1558, 2013, pp. 144-147, SJR 0.161, ISSN: 0094-243X.
226. **Дуцова, Р.**, Уеб-приложение за представяне на двуезични речници. В: Сборник с доклади на Младежката научна школа по информационни и комуникационни технологии, 27–28 юни 2013 г., Русе, България, стр. 194-199 (към Сборника на CompSysTech'13), ISSN: 1314-9024.
227. Лечов, Г., **Г. Врагов**, Алгоритъм, базиран на ентропия, за регистриране на пикови стойности при наблюденията на индекса на листната площ (LAI) посредством MODIS (NASA). In: Proceedings of the International Conference Automatics and Informatics, Sofia, 2013, pp. 161-164, ISSN: 1314-4006.
228. **Лучев, Д., Д. Панева-Маринова, М. Гойнов**, Функционална спецификация на мултимедийна цифрова библиотека за културно наследство, В: Сборник доклади на Първа национална тематична школа и борса за научни идеи в областта на Информационните и комуникационни технологии (към Сборника на CompSysTech'13), 27-28 юни, 2013, Русе, България, стр. 73-78, ISSN: 1314-9024.
229. Сирук, О., **І. Держанський**, Лексичні перекладні еквіваленти в болгарських і українських паралельних текстах, Українське мовознавство, №43/2013, pp. 75–86, ISSN: 0320-3077.
230. **Табов, Й., Св. Христова**, О вариативности некоторых буквенных частот в Супраслском сборнике, In: International Journal Information models & analyses, Vol. 2, No. 2, 2013, pp. 188-193, ISSN: 1314-6416,
<http://www.foibg.com/ijima/vol02/ijima02-02-p12.pdf>

II 1.1.2. Приети за печат през 2013 г.

1. **Anguelov, R.** , J. H. van der Walt, Algebraic and Topological Structure of Some Spaces of Set-valued Maps, In: Computers and Mathematics with Applications, IF 1.747, ISSN: 0898-1221 (приета за публикуване).
2. **Anguelov, R.** , Y. Dumont, J. M.-S Lubuma, M. Shillor, Dynamically consistent nonstandard finite difference schemes for epidemiological models, In: Journal of Computational and Applied Mathematics, <http://dx.doi.org/10.1016/j.cam.2013.04.042>, ISSN: 0377-0427, IF 0.989/2012 (приета за публикуване).

3. **Angelova, V., Y. Borissov**, Plaintext recovery in DES-like cryptosystems based on S-boxes with embedded parity check, Serdica Journal of Computing, ISSN 1312-6555 (приета за публикуване)
4. Aseev, S., **V.M. Veliov**, Needle Variations in Infinite-Horizon Optimal Control, In: Proceedings of the Contemporary Mathematics, series of the AMS (IMCP/CONM), 2013 (приета за публикуване).
5. Baier, R., **E. Farkhi**, Regularity of Set-Valued Maps and Their Selections through Set Differences. Part 1: Lipschitz Continuity, In: Serdica Mathematical Journal, ISSN: 1310-6600 (приета за публикуване).
6. Baier, R., **E. Farkhi**, Regularity of Set-Valued Maps and Their Selections through Set Differences. Part 2: One-Sided Lipschitz Properties, In: Serdica Mathematical Journal, ISSN: 1310-6600 (приета за публикуване).
7. Baier, R., **E. Farkhi**, V. Roshchina, Directed Subdifferentiable Functions and the Directed Subdifferential Without Delta-Convex Structure, In: Journal of Optimization Theory and Applications, ISSN: 0022-3239, EISSN: 1573-2878 (приета за публикуване).
8. **Bazhlekova, E., I. Dimovski**, Exact solution of two-term time-fractional Thornley's problem by operational method, In: Integral Transforms and Special Functions, 25, No 1, 2014, pp. 61-74, doi: 10.1080/10652469.2013.815184, IF 0.73, ISSN: 1065-2469.
9. **Boyadzhiev, G.**, Bicharacteristic Curves in Modeling of the Earth Crust and Upper Mantle (No. JMSS-E20131112- 02), In: Journal of Mathematics and System Science (ISSN 2159-5291, USA) (приета за публикуване).
10. Bréchet, T., C. Camacho, **V.M. Veliov**, Adaptive Model-Predictive Climate Policies in a Multi-Country Setting, In: The Oxford University Press Handbook of the Macroeconomics of Global Warming (приета за публикуване).
11. **Brimkov, V. E.**, S. Kafer, M. Szczepankiewicz, J. Terhaar, On Intersection Graphs of Convex Polygons, 16th International Workshop on Combinatorial Image Analysis, Lecture Notes in Computer Science, ISBN: 978-3-642-41913-3 (Print) 978-3-642-41914-0 (Online) to appear
12. **Brimkov, V. E.** Parallel algorithms for combinatorial pattern matching, 16th International Workshop on Combinatorial Image Analysis, Lecture Notes in Computer Science, ISBN: 978-3-642-41913-3 (Print) 978-3-642-41914-0 (Online) to appear
13. Cuccagna, S., **V. Georgiev**, Nicola Visciglia, Decay and scattering of small solutions of pure power NLS in \mathbb{R}^3 with $p > 3$ and with a potential, Arxive (2012) arXiv:1209.5863, accepted in CPAM 2014, IF 3.337.
14. **Dalakov, P.**, On the L-infinity description of the Hitchin map, In: Rendiconti dell'Istituto di Matematica dell'Università di Trieste, 2013, ISSN: 0049-4704 (приета за публикуване).
15. **Derzhanski, I.**, Some Parallels between Pronouns in J.R.R. Tolkien's and the Real World's Languages, In: Arda Philology, 2013, ISSN: 1654-5737 (под печат).

16. Dilworth, S.J., **D. Kutzarova**, G. Lancien, N.L. Randrianarivony, Asymptotic geometry of Banach spaces and uniform quotient maps, In: Proc. Amer. Math. Soc., 2013, IF 0.611, ISSN: 0002-9939 (приета за публикуване).
17. Dilworth, S.J., S. Gogyan, **D. Kutzarova**, On the convergence of a weak greedy algorithm for the multidimensional Haar basis, In: Constructive Approx., 2013, IF: 1.119, ISSN: 0176-4276(p), 1432-0940(e) (приета за публикуване).
18. **Dimitrova, L.**, R. Garabík, Translation Equivalence of Demonstrative Pronouns in Bulgarian-Slovak Parallel Texts, In: Journal Cognitive Studies/Études Cognitives. Vol. 14, 2014, SOW, Warsaw, ISSN: 2080-7147 IF [ERIH nat] (под печат)
19. **Dimitrova, L.**, V. Koseska–Toszewska, D. Roszko, R. Roszko, Trilingual Aligned Corpus – Current State and New Applications. In: Journal Cognitive Studies/Études Cognitives. Vol. 14, 2014, SOW, Warsaw, ISSN: 2080-7147 IF [ERIH nat] (под печат)
20. **Dimitrova, L.**, V. Koseska–Toszewska, Presentation of the Verbs in Bulgarian-Polish Electronic Dictionary. In: Journal Cognitive Studies/Études Cognitives. Vol. 14, 2014, SOW, Warsaw, ISSN: 2080-7147, IF [ERIH nat] (под печат)
21. **Dimitrova, L.**, What New Information We Can Obtain from the Bulgarian-Polish Digital Resources, In: Semantyka a konfrontacja językowa, vol. V, dedykowanym Pani Profesor Dr Hab. Violetcie Koseskiej-Toszowej w związku z 45-leciem jej pracy naukowej. PAN, IS. SOW, Warsaw, 2014. (под печат) статия по покана.
22. Dineva, P., G. Manolis, **T. Rangelov**, F. Wuttke, SH-wave scattering in the orthotropic half-plane weakened by cavities using BIEM, In: Acta Acustica united with Acustica, 2013, (приета за публикуване).
23. Dobrinkova, N., **G. Dobrinkov**, Farsite and WRF-Fire models, Pros and Cons For Bulgarian Cases, In: 9th International Conference on "Large-Scale Scientific Computations" LSSC'13, Sozopol 3-7 June 2013, Lecture Notes in Computer Science, Springer Germany (приета за публикуване).
24. **Draganov, B.**, K. G. Ivanov, Natural weights for uniform approximation by the Szasz-Mirakjan operator. Proc. intern. conf. "Constructive Theory of Functions, Sozopol 2013" (приета за публикуване).
25. **Draganov, B.**, Upper estimates of the approximation rate of combinations of iterates of the Bernstein operator, In: Annuaire Univ. Sofia Fac. Math. Inform, ISSN: 0205-0808 (приета за публикуване).
26. **Dutsova, R.**, Web-based Software System for Processing Bilingual Digital Resources. In: International Journal Cognitive Studies/Études Cognitives. Vol. 14, 2014, SOW, Warsaw. ISSN: 2080-7147, IF: ERIH [nat] (под печат)
27. Dyn, N., **O. Kounchev**, D. Levin, H. Render, Regularity of generalized Daubechies wavelets reproducing exponential polynomials with real-valued parameters, In: App. Comp. Harmonic Analysis, IF: 2.485, ISSN: 1063-5203 (приета за публикуване).

28. Fabricant, A., **N. Kutev, T. Rangelov**, Note on sharp Hardy-type inequality, Mediterranean In: Journal of Mathematics, to appear, DOI: 10.1007/s00009-013-0367-9 (IF) (приета за публикуване).
29. **Farkhi, E.**, T. Donchev, R. Baier, Existence of solutions for nonconvex differential inclusions of monotone type, arXiv:1307.1871vl[math.CA], In: Comptes rendus de l'Academie bulgare des Sciences, ISSN: 1310-1331 (приета за публикуване).
30. **Gateva-Ivanova, T.**, Gunnar Fløystad, Monomial algebras defined by Lyndon words, In: Journal of Algebra, 2013, IF 0.583 (приета за публикуване).
31. Gavrilov, L., **Iliya D. Iliev**, Perturbations of quadratic Hamiltonian two-saddle cycles, Ann. Inst. H. Poincare, Analyse non lineaire [to appear], 20 pp. IF 1.550 (2012) ISSN: 0294-1449
32. **Georgieva, I.**, C. Hofreither, R. Uluchev, Least Squares Fitting of Harmonic Functions Based on Radon Projections, In: MMCS 2012, M. Floater et al. (Eds.), Lecture Notes in Computer Science, vol. 8177, pp. 158-171, Springer-Verlag Berlin Heidelberg 2014, SJR (2012): 0.332, ISSN: 0302-9743 (под печат).
33. **Georgieva, I.**, Clemens Hofreither, Cubature Rules for Harmonic Functions on the Disk Using Line Integrals over Two Sets of Equispaced Chords, In: Constructive theory of functions, Sozopol 2013, Dedicated to Blagovest Sendov and Vasil Popov (K. Ivanov, G. Nikolov and R. Uluchev, Eds.), Prof. Marin Drinov Academic Publishing House, Sofia, 2014 (приета за публикуване and под печат).
34. **Guelev, D.**, Shuling Wang, Naijun Zhan, Chaochen Zhou, Super-Dense Computation in Verification of Hybrid CSP Processes, In: Formal Aspects of Component Software (FACS 2013), 10th International Symposium, Revised Selected Papers. Springer, LNCS, 2013 (приета за публикуване).
35. **Ivanov, K., P. Petrushev**, Fast Evaluation and Irregular Sampling of Band-limited Functions on the Sphere, In: Proc. intern. conf. "Constructive Theory of Functions, Sozopol 2013" (приета за публикуване and под печат).
36. **Kanev, V.**, Irreducible Components of Hurwitz Spaces Parameterizing Galois Coverings of Curves of Arbitrary Genus, In: Pure and Applied Mathematics Quarterly, IF 0.718 (2012), ISSN Print: 1558-8599, ISSN Online: 1558-8602 (приета за публикуване).
37. Kappeler T., P. Lohrmann, **P. Topalov**, Generic properties of Zakharov-Shabat operator, Mathematische Annalen, to appear (IF) (приета за публикуване).
38. Kappeler, T., **P. Topalov**, On Nonlinear Interpolation, In: Proceedings of AMS, to appear
39. Kerkyacharian, G., **P. Petrushev**, Heat kernel based decomposition of spaces of distributions in the framework of Dirichlet spaces, In: Transactions of AMS, ISSN: 0002-9947 (print version), ISSN: 1088-6850 (electronic version).
40. **Kitanov, N.**, A Class of Functional Differential Equations with "Maxima", In: Journal of UCTM (приета за публикуване).

41. **Kitanov, N.**, Integrability of Fluid Dynamics, In: Journal of UCTM (приета за публикуване).
42. **Krastanov, M. I.**, M. Quincampoix, On the controllability of a class of hybrid control systems, In: Springer Lecture Notes in Computer Sciences, 2013 (приета за публикуване).
43. **Krastanov, M. I., N. K. Ribarska**, Viability and an Olech type result, In: SERDIKA Mathematical journal, 2013 (приета за публикуване).
44. **Krastanov, M. I., N. K. Ribarska**, Viability and an Olech type result, In: SERDICA Mathematical Journal, ISSN: 1310-6600 (приета за публикуване).
45. **Kutev, N., N. Kolkovska, M. Dimova**, Global existence to generalized Boussinesq equation with combined power-type nonlinearities, In: Journal of Mathematical Analysis and Applications, v. 410 (2014), pp. 427-444, (DOI: 10.1016/j.jmaa.2013.08.036), ISSN: 0022-247X, IF(2012): 1.050
46. Kyriazis, G., **P. Petrushev**, Rational bases for spaces of holomorphic functions in the disc, In: Journal of the London Mathematical Society, ISSN: 0024-6107 (print version), ISSN: 1469-7750 (electronic version) (под печат).
47. **Kyurkchiev, N., A. Andreev**, Hausdorff approximation of functions different from zero at one point-implememtation in programming environment Mathematica, In: Serdica Journal of Computing, 7, 2013, ISSN: 1310-6600 (in print).
48. **Kyurkchiev, N., A. Andreev**, Synthesis of slot aerial grids with Hausdorff-type directive patterns – implementation in programming environment MATHEMATICA, In: Compt. rend. Acad. bulg. Sci., 66 (11), 2013; IF: 0.211 (за 2012), ISSN: 1310-1331 (под печат).
49. **Kyurkchiev, N., A. Iliev**, A Refinement of Some Overrelaxation Algorithms for Solving a System of Linear Equations, In: Serdica Journal of Computing, 2013, ISSN: 1312-6555.
50. **Manev, Kr., N. Maneva**, Comparative analysis of the languages for business rules specification, ITHEA 2014, ISSN: 1310-0513 (приета за публикуване)
51. **Paneva-Marinova, D., D. Luchev**, Z. Márkus, T. Szkaliczki, Mobile Access to Specimens of the Bulgarian Iconography through QR Code in GPS-based Information System, In: Proceedings of the Forty Third Spring Conference of the Union of Bulgarian Mathematicians, Bulgaria, April, 2014 (под печат).
52. Pietrus, A., **V.M. Veliov**, The Euler Method for Linear Control Systems Revisited, в: Large-Scale Scientific Computing, In: Proceedings of the 9th International Conference on “Large-Scale Scientific Computations”, I. Lirkov, S. Margenov, J. Wasniewski (Eds.), Lecture Notes in Computer Science, 2013, ISSN: 0302-9743(p), 1611-3349(e), индексирана от Scopus (приета за публикуване).
53. **Popova, E.**, Inner Estimation of Linear Parametric AE-Solution Sets, In: Comptes rendus de l'Academie Bulgare des Sciences, IF 0.211, ISSN: 1310-1331 (приета за публикуване).

54. **Poryazov, S., E. Saranova, M. Spiridonova**, Modeling of Telecommunication Processes in An Overall Complex System, In: J. Physics of Elementary Particles and Atomic Nuclei, Letters, ISSN (print): 1814-5957, ISSN (online): 1814-5973 IF 0.505 (приета за публикуване).
55. Quincampoix, M., **V.M. Veliov**, Metric regularity and stability of optimal control problems for linear systems, In: SIAM J. Contr. Optim., ISSN: 0363-0129, eISSN: 1095-7138 (приета за публикуване).
56. Skritek, B., **Ts. Tsachev, V.M. Veliov**, Pontryagin's type optimality conditions for a distributed control problem arising in endogenous growth theory, In: Proceedings of the 9th International Conference on “Large-Scale Scientific Computations”, Lecture Notes in Computer Science, 2013, ISSN: 0302-9743(p), 1611-3349(e), индексирана от Scopus (<http://www.springer.com/computer/lncs?SGWID=0-164-6-1068921-0>) (приета за публикуване).
57. **Slavova, A.**, R.Tetzlaff, CNN Computing of Double Sine-Gordon Equation with Physical Applications, In: C. R. Acad. Sci. Bulg., (приета за публикуване) (IF)
58. Todorova, G., **B. Yordanov**, On the Regularizing Effect of Nonlinear Damping in Hyperbolic Equations, In: Transactions of AMS, 2013 (IF) (приета за публикуване)
59. Zemla A., **Kostova T.** et al., “GeneSV – an approach to help characterize possible variations in genomic and protein sequences”, Bioinformatics and Biology Insights (in press) ISSN: 1177-9322 IF 1.809
60. **Периклиев, Вл.**, Антонимията като структурен фактор за семантична промяна. В: Сп. „Български език“ (ERIH кат. N), 2013, ISSN: 0005-4283 (приета за публикуване).

П 1.2. СПИСЪК НА ПУБЛИКАЦИИТЕ, ВКЛЮЧЕНИ В ИЗДАНИЯ С ИМПАКТ ФАКТОР (IF, WEB OF SCIENCE) ИЛИ ИМПАКТ РАНГ (SJR, SCOPUS) – ЧАСТ ОТ СПИСЪК П 1.1.

П 1.2.1. ИЗЛЕЗЛИ ОТ ПЕЧАТ ПРЕЗ 2013 г.

1. **Anguelov, R.**, Y. Dumont, J. M-S Lubuma, E. Mureithi, Stability Analysis and Dynamics Preserving Non-Standard Finite Difference Schemes for a Malaria Model, In: Mathematical Population Studies, 20, 2013, pp. 101-122, IF 0.957/2012, ISSN: 0889-8480 (Print), 1547-724X (Online).
2. Ayuso, B., **I. Georgiev**, J. Kraus, L. Zikatanov, A subspace correction method for discontinuous Galerkin discretizations of linear elasticity equations, In: ESAIM: Mathematical Modelling and Numerical Analysis, 47 (05), 2013, pp 1315-1333, IF 1.031, ISSN: 0764-583X.
3. **Baicheva, T., S. Topalova**, Optimal (v,5,2,1) optical orthogonal codes of small v, In: Applicable Algebra in Engineering, Communication and Computing, special issue "Computer Algebra in Coding Theory and Cryptography", Volume 24, Issue 3, pp. 165-177, IF 0.756, ISSN: 0938-1279.
4. **Bazhlekov, I., D. Vasileva**, Numerical simulation of drop coalescence in the presence of drop soluble surfactant, In: AIP Conference Proceedings, 1561, 2013, pp. 333-346, SJR 0.161, ISSN: 0094-243X.
5. **Bazhlekova, E.**, I. Dimovski, Exact solution for the fractional cable equation with nonlocal boundary conditions, In: Central European Journal of Physics, 11, No. 10, 2013, pp. 1304-1313 doi: 10.2478/s11534-013-0213-5, IF 0.905, ISSN: 1895-1082.
6. **Bazhlekova, E.**, On a nonlocal boundary value problem for the two-term time-fractional diffusion-wave equation, In: American Institute of Physics – Conference Proceedings, 2013, # 1561, pp. 172-183, SJR 0.161, ISSN: 0094-243X.
7. **Bazhlekova, E.**, Series solution of a nonlocal problem for a time-fractional diffusion-wave equation with damping, In: C. R. Acad. Bulg. Sci., 66 (8), 2013, pp. 1091-1096, , IF 0.211, ISSN 1310-1331.
8. Bell, J.P., **V. Drensky**, Y. Sharifi, Shirshov's theorem and division rings that are left algebraic over a subfield, In: J. Pure Appl. Algebra 217, 2013, pp.1605-1610, IF 0.534, ISSN: 0022-4049.
9. **Boumova, S., V. Drensky**, Algebraic properties of codimension series of PI-algebras, In: Israel J. Math. 195, 2013, pp. 593-611, IF: 0.646, Print ISSN: 0021-2172, Online ISSN: 1565-8511.
10. **Bouyukliev, I.**, S. Bulygin, E. Martínez-Moro, Foreword: computer algebra in coding theory and cryptography, In: Appl. Algebra Eng. Commun. Comput., vol. 24, 2013, pp. 157-158, , IF 0.756, ISSN: 0938-1279 (Print) 1432-0622 (Online).
11. **Bouyukliev, I.**, T. Georgieva, Development of a personal bibliographic information system, In: The Electronic Library, vol. 31, no. 2, 2013, pp. 144-156, , IF 0.667, ISSN: 0264-0473.

12. **Bouyuklieva, S., I. Bouyukliev**, M. Harada, Some extremal self-dual codes and unimodular lattices in dimension 40, In: Finite Fields and Their Applications, vol. 21, 2013, pp. 67-83, , IF 0.679, ISSN: 1071-5797.
13. **Bouyuklieva, S.**, Javier de la Cruz, Wolfgang Willems, On the automorphism group of a binary self-dual [120,60,24] code, In: Applicable Algebra in Engineering, Communication and Computing, vol. 24, 2013, pp 201-214, IF 0.756, ISSN 0938-1279.
14. **Boyvalenkov, P.**, H. Kulina, Investigation of binary orthogonal arrays via their distance distributions, In: Problems of Information Transmission 49, No. 4, 2013, pp. 320-330, IF 0.298, ISSN: 0555-2923.
15. **Boyvalenkov, P.**, M. Stoyanova, New nonexistence results for spherical designs, In: Advances in Mathematics of Communications 7, No. 4, 2013, pp. 279-292, , IF 0.600(2012), ISSN: 1930-5338 (online), 1930-5346 (print).
16. Brešar, M., **V. Drensky**, Central polynomials for matrices over finite fields, In: Lin. Multilin. Algebra 61, No. 7, 2013, pp. 939-944, IF 0.677, Print ISSN: 0308-1087, Online ISSN: 1563-5139.
17. **Brimkov, V.E.**: Approximability issues of guarding a set of segments, *International Journal of Computer Mathematics*, Taylor & Francis, pp. 1653-1667 (2013) ISSN 0020-7160 (Print), 1029-0265 (Online) IF 0.542
18. **Brimkov, V. E.**, R.P. Barneva, Selected topics of combinatorial image analysis (editorial), *International Journal of Computer Mathematics*, Taylor & Francis, pp. 1568-1570 (2013) ISSN 0020-7160 (Print), 1029-0265 (Online) IF 0.542
19. **Brimkov, V. E.**: On connectedness of discretized objects, International Symposium on Visual Computing, ISVC'13, Lecture Notes in Computer Science 8033 (part 1), pp. 246-254 ISBN: 978-3-642-41913-3 (Print) 978-3-642-41914-0 (Online) SJR 0.33
20. Buck, M., **Iliev, O.**, Andrä, H., Multiscale finite element coarse spaces for the application to linear elasticity, In: Central European Journal of Mathematics, 11 (4), 2013, pp. 680-701, IF 0.405, ISSN:1895-1074 eISSN:1644-3616.
21. **Chipchakov, I.D.** , Lower bounds and infinity criterion for Brauer p-dimensions of finitely-generated field extensions, In: C.R. Acad. Bulg. Sci. 66, No. 7, 2013, pp. 923-932, IF 0.211, ISSN: 1310-1331.
22. **Chobanov, G., N. Kutev**, Gradient estimates and gradient blow up of viscosity solutions to degenerate elliptic equations on “interior boundaries”, In: Comp. R. Acad. Bulgare Sci., 66, No4, (2013), pp. 477-484, IF(2012) 0.211, ISSN: 1310-1331.
23. Cuccagna, S., **V. Georgiev**, Nicola Visciglia, Decay and scattering of small solutions of pure power NLS in \mathbb{R}^3 with $p>3$ and with a potential, Arxive (2012) arXiv:1209.5863, accepted in CPAM 2014, IF 3.337.
24. Dangovski, R., **V. Drensky**, Ş. Fındık, Weitzenböck derivations of free metabelian Lie algebras, In: Linear Algebra Appl. 439, No. 10, 2013, pp. 3279-3296, IF 0.968, ISSN: 0024-3795.

25. **Davidov, J., O. Mushkarov**, D. Ali, Compatible almost complex structures on twistor spaces and their Gray-Hervella classes, In: *Journal of Geometry and Physics*, 75, 2014, pp. 213-229, IF 1.055, ISSN: 0393-0440.
26. **Davidov, J., O. Mushkarov**, D. Ali, Twistor Spaces with Positive Holomorphic Bisectional Curvature, *C. R. Acad. Bulg. Sci.* 66, 2013, pp. 339–334, IF 0.211, ISSN: 1310-1331.
27. Dilworth, S.L., **D. Kutzarova**, N. Radrianarivony, **J.P. Revalski**, **N.V. Zhivkov**, Compactly uniformly convex spaces and property β of Rolewicz, In: *J. Math. Anal. Appl.*, 402, 2013, pp. 297-307, IF 1.3, ISSN: 0022-247x.
28. **Dimiev, S.**, P. Stoev, St. Stoilova, Matrix anticirculant calculus, *AIP Conf. Proc.* 1570, 409-415, 2013, SJR 0.161, ISSN: 0094-243X.
29. **Dimitrova, L., R. Dutsova**, Web-Application for the Presentation of Bilingual Corpora (Focusing on Bulgarian as one of the two paired Languages). In: *Journal Cognitive Studies/Etudes Cognitives*. Vol. 13, 2013, SOW, Warsaw, pp. 183-193. ISSN 2080-7147, DOI: 10.11649/cs.2013.012 IF [ERIH nat]
30. **Dimitrova, L.**, V. Koseska–Toszewska, Bulgarian-Polish Language Resources (Current State and Future Development). In: *Journal Cognitive Studies/Études Cognitives*. Vol. 13, 2013, SOW, Warsaw, pp. 161-170. ISSN 2080-7147, DOI: 10.11649/cs.2013.010 IF [ERIH nat]
31. **Dimitrova, N. S., M. I. Krastanov**, Generalization of the Concept for Biological Control in the Chemostat, In: *WSEAS Transactions on Biology and Biomedicine*, Issue 4, Vol. 9, October 2012, pp. 93-102, SJR Index 0.11/2012, e-ISSN: 2224-2902.
32. **Dimitrova, N. S., M. I. Krastanov**, Output Feedback Stabilization of an Anaerobic Digestion Model, *Comp. Rend. Acad. Bulg. Science*, vol. 66, No. 4, 2013, pp. 493-502, IF 0.211/2012, ISSN: 1310-1331.
33. **Dimitrova, N. S.**, Optimizing the Productivity in a Chemostat Model of Plasmid-bearing Plasmid-free Competition: the Case of General Uptake Functions, In: *WSEAS Transactions on Biology and Biomedicine*, Vol. 10, Issue 1, 2013, pp. 12-21, SJR Index 0.11/2012, e-ISSN: 2224-2902.
34. **Dimova, M., D. Vasileva**, Comparison of two numerical approaches to Boussinesq paradigm equation, In: *Lecture Notes in Computer Science*, 8236, 2013, pp. 255-262, SJR 0.332, ISSN: 0302-9743.
35. **Dimova, M.**, S. Dimova, **D. Vasileva**, Numerical Investigation of a New Class of Waves in an Open Nonlinear Heat-Conducting Medium, In: *Cent. Eur. J. Math.*, 11, 2013, pp. 1375-1391, IF 0.440, ISSN: 1895-1074.
36. **Dontchev, A.L.**, H. Frankowska, Lyusternik-Graves theorem and fixed points II, In: *J. Convex Analysis*, 19, 2012 (printed 2013), pp. 955-973, IF 0.625, ISSN: 0944-6532.
37. **Dontchev, A.L., M. Krastanov**, R.T. Rockafellar, **V.M. Veliov**, An Euler-Newton continuation method for tracking solution trajectories of parametric variational inequalities,

- In: SIAM J. Control Optim., 51, 3, 2013, pp. 1823-1840, IF 1.38, ISSN: 0363-0129(p), 1095-7138(e).
38. **Dontchev, A.L.**, R.T. Rockafellar, Convergence of inexact Newton methods for generalized equations, In: Math. Programming B 139, 2013, pp. 115-137, IF 2.090, ISSN: 0025-5610(p), 1436-4646(e).
39. **Dontchev, A.L.**, R.T. Rockafellar, Parametric stability of solutions to problems of economic equilibrium, In: J. Convex Analysis 19, 2012 (printed 2013), pp. 975-997, IF 0.625, ISSN: 0944-6532.
40. Driesen, N., G. McCarthy, Z. Bhagwagar, M. Bloch, V. Calhoun, D.C. D'Souza, **R. Gueorguieva**, G. He, R. Ramachadran, R. Suckow, A. Anticevic, P.T. Morgan, J.H. Krystal, Relationship of resting brain hyperconnectivity and schizophrenia-like symptoms produced by the NMDA receptor antagonist ketamine in humans, In: Molecular Psychiatry, 2013(18), pp.1199-1204, IF 14.897, ISSN: 1359-4184.
41. Driesen, N.R., G. McCarthy, Z. Bhagwagar, M.H. Bloch, V.D. Calhoun, D.C. D'Souza, **R. Gueorguieva**, G. He, H.C. Leung, R. Ramani, A. Anticevic, R.F. Suckow, P.T. Morgan, J.H. Krystal, The Impact of NMDA Receptor Blockade on Human Working Memory-Related Prefrontal Function and Connectivity, In: Neuropsychopharmacology, 2013 Jul 16. doi: 10.1038/npp.2013.170. [Epub ahead of print], IF 8.678, ISSN: 0893-133X.
42. Efendiev, Y., **Iliev, O.**, Kronsbein, C. Multilevel Monte Carlo methods using ensemble level mixed MsFEM for two-phase flow and transport simulations, In: Computational Geosciences, 17 (5), 2013, pp. 833-850, IF 1.422, ISSN: 1420-0597 (Print), 1573-1499 (Online).
43. Fabricant, A., **N. Kutev, T. Rangelov**, Hardy type inequalities with double singular kernels, In: Centr. Europ. J. Math. 11:9, pp. 1689-1697, 2013, IF 0.405, ISSN: 1895-1074.
44. **Ganchev, G., V. Milousheva**, Marginally trapped meridian surfaces of parabolic type in the four-dimensional Minkowski space, In: International Journal of Geometric Methods in Modern Physics., 2013, 10 (10), Article ID: 1350060, 17 pp, IF 0.951, ISSN: 0219-8878.
45. **Ganchev, G., V. Milousheva**, Timelike surfaces with zero mean curvature in Minkowski 4-space, In: Israel Journal of Mathematics, 2013, 196, pp. 413-433, IF 0.646, ISSN: 0021-2172.
46. Georgiev, B., **N. Ribarska**, On a Sweeping Process with the Cone of Limiting Normals, In: C.R.Acad. Bulgare Sci, v.66, no.5, 2013, pp. 635-642, IF 0.211, ISSN: 1310-1331.
47. Georgiev, B., **N. Ribarska**, On Sweeping Process with the Cone of Limiting Normals, In: Set-Valued and Variational Analysis, v.21, no.4, 2013, pp. 673-689, IF: 1.036, ISSN: 1877-0533(p), 1877-0541(e).
48. **Georgieva, I.**, C. Hofreither, C. Koutschan, V. Pillwein, T. Thanatipanonda, Harmonic Interpolation Based on Radon Projections Along the Sides of Regular Polygons, In: Central European Journal of Mathematics, 11(4), 2013, pp. 609-620, IF 0.41, ISSN: 1895-1074.

49. **Georgieva, I.**, Clemens Hofreither, Interpolation of harmonic functions based on Radon projections, In: Numerische Mathematik, November 2013, DOI:10.1007/s00211-013-0592-y, 2012, IF 1.329, ISSN: 0029-599X.
50. Georgieva, M., N. Razkazov, M. Petrova, G. Avdeev, **D. Dobrev**, Obtaining of Chemical Dispersion Coatings with Included Boron Nitride, In: Journ. of Transact. of the Instit. of Metal Finishing, ISSN: 0020-2967, 91 (2), 2013, pp. 96-100, IF 1.234, Print ISSN:0020-2967, Online ISSN:1745-9192.
51. Goberna, M.A., A. Iusem, J. E. Martínez-Legaz, **M.I. Todorov**, Motzkin decomposition of closed convex sets via truncation, In: JMAA, Volume 400, Issue 1, 1 April 2013, pp. 35-47, IF 1.3, DOI: 10.1016/j.jmaa.2012.10.072, ISSN: 0022-247X.
52. Goberna, M.A., F. Guerra, **M.I. Todorov**, Constraint qualifications in linear vector semi-infinite optimization, EJOR, Vol. 227, 2013, pp. 12-21, IF 1.627, DOI: 10.1016/j.ejor.2012.09.006, ISSN: 0377-2217.
53. Gragn, D., **Trendafilov, N. T.**, and Jolliffe, I. T. (2013) A clustering approach to interpretable principal components, *Journal of Applied Statistics*, 40, 583–599. IF 0.449, ISSN: 0266-4763.
54. Grilo, C, M. White, **R. Gueorguieva**, G.T. Wilson, R.M. Masheb, Predictive significance of the overvaluation of shape/weight in obese patients with binge eating disorder: Findings from a randomized controlled trial with 12-month follow-up, In:Psychological Medicine, 43(6), 2013, pp. 1335-44, IF 5.587, ISSN: 0033-2917.
55. Grilo, C., M.A. White, **R. Gueorguieva**, R.D. Barnes, R.M. Masheb, Self-help for binge eating disorder in primary care: A randomized controlled trial with ethnically and racially diverse obese patients, In: Behavior Research and Therapy, 51, 2013, pp. 855-861, IF 3.471, ISSN: 0005-7967.
56. **Gueorguieva, R.**, R. Wu, J. Krystal, D. Donnovan, S. O'Malley, Temporal patterns of adherence to medications and behavioral treatment and their relationship to patient characteristics and treatment response, In: Addictive Behaviors, 38(5), 2013, pp. 2119-2127, IF 2.021, ISSN: 0306-4603.
57. Gunduz-Bruce, H., S. Oliver, **R. Gueorguieva**, K. Forselius-Bielen, D.C. D'Souza, Z. Zimolo, C. Tek, S. Ray, G. Petrides, Efficacy of Pimozide Augmentation for Clozapine Partial Responders with Schizophrenia, In: Schizophrenia Research, 143, 2013, pp. 344-347, IF 4.59, ISSN: 0920-9964.
58. Hakkaev, S., **I. D. Iliev**, Kiril Kirchev, Stability of periodic traveling waves for the quadratic and cubic nonlinear Schroedinger equations, Int. J. Bifurcat. Chaos 23 (2013), no. 5, paper no. 1350090, 20 pp. IF 0.921 (2012), Print ISSN: 0218-1274. Online ISSN: 1793-6551.
59. Hull, D., M. Mota, **G.P. Yanev**, Time to extinction in subcritical two-sex branching processes, In: Methodology and Computing in Applied Probability, Springer, 12 pages, IF 0.647, ISSN: 1387-5841, published online.

60. Hyrien, O., K.V. Mitov, **N. M. Yanev**, Limit theorems for supercritical Markov branching processes with non-homogeneous Poisson immigration, In: CRABS, T. 66, No. 4, 2013, pp. 485-492, IF 0.211, ISSN: 1310-1331.
61. Ikehata, R., Grozdena Todorova, **Borislav Yordanov**, Optimal decay rate of the energy for wave equations with critical potential, In: J. Math. Soc. Japan, Volume 65, Number 1, 2013, pp. 183-236, IF 0.550, ISSN 1881-1167
62. Ikehata, R., Grozdena Todorova, **Borislav Yordanov**, Wave equations with strong damping in Hilbert spaces, In: Journal of Differential Equations, Volume 254, Issue 8, 15 April 2013, pp. 3352–3368, IF 1.480, ISSN: 0022-0396
63. **Iliev, O.**, G. Printsypar, S. Rief, A two-dimensional model of the pressing section of a paper machine including dynamic capillary effects, In: Journal of Engineering Mathematics, 83 (1), 2013, pp. 81-107, IF 1.075, ISSN: 0022-0833 (print), ISSN: 1573-2703 (electronic).
64. **Iliev, O.**, Lakdawala, Z., Starikovicius, V. On a numerical subgrid upscaling algorithm for Stokes-Brinkman equations, In: Computers and Mathematics with Applications, 65 (3), 2013, pp. 435-448, IF 2.069, ISSN: 0898-1221.
65. **Kanev, V.**, Unirationality of Hurwitz spaces of coverings of degree ≤ 5 ., In: Int. Math. Res. Not. IMRN 2013, no. 13, pp. 3006–3052., IF 1.116 (2012), doi: 10.1093/imrn/rns138, Online ISSN: 1687-0247, Print ISSN: 1073-7928.
66. Kappeler, T., B. Schaad, **P. Topalov**, Qualitative Features of Periodic Solutions of KdV, In: Communications in Partial Differential Equations, Volume 38, Issue 9, 2013, IF 1.025, ISSN: 0360-5302 (Print), 1532-4133 (Online).
67. Kappeler, T., H. Inci, **P. Topalov**, On the regularity of the composition of diffeomorphisms, In: Memoirs of the American Mathematical Society, Volume 226, Number 1062, 2013, IF 0.982, ISSN 1947–6221 (online); ISSN 0065-9266 (print).
68. **Karadzhov, G. E.**, Q. Mahmood, Optimal regularity properties of generalized Sobolev spaces, In: Journal of Function Spaces and Applications, 2013(2013), IF 0.500, ISSN: 2090-8997.
69. **Karadzhov, G. E.**, Q. Mahmood, Optimal embeddings of the generalized Sobolev spaces in Hölder-Zygmund spaces, In: C.r. de l'Acad. Bulgare des Sci., 66(2013), 777-784, IF 0.211, ISSN: 1310-1331.
70. Kerimoglu, B., A. Neuman, J. Paul, **D.G. Stefanov**, R. Twersky, Anesthesia induction using video glasses as a distraction tool for the management of preoperative anxiety in children. Anesthesia and Analgesia [2013, 117(6):1373-1379] ,DOI: 10.1213/ANE.0b013e3182a8c18f, IF 3.30, ISSN: 0003-2999.
71. **Kiryakova, V.**, D. Takaci, A.Takaci, Operational and approximate solutions of a fractional integro-differential equation, In: American Institute of Physics Conf. Proc., Volume 1570, 2013, pp. 430-441 (AMEE '13), SJR 0.161, ISSN: 0094-243X, ISBN 9780-7354-1198-2.

72. **Kiryakova, V.**, Yu. Luchko, Riemann-Liouville and Caputo multiple Erdélyi-Kober operators, In: Central European Journal of Physics, Volume 11, No 10, 2013, pp. 1314-1336, IF 0.905, DOI: 10.2478/s11534-013-0217-1; pISSN: 1895-1082, eISSN: 1644-3608.
73. **Kiryakova, V.**, Yu. Luchko, The Mellin integral transform in fractional calculus, Fractional Calculus and Applied Analysis, Volume 16, No 2 (2013), pp 405-430; DOI: 10.2478/s13540-013-0025-8; pISSN 1311-0454, eISSN 1314-2224; IF (2013)= TBA (July 2014)
74. **Kolev, E.**, How to have a wrong bet in football pools, In: CR Acad. Bulg. Sc., vol. 66, No. 3, 2013, pp. 315-321, IF 0.211, ISSN: 1310 1331.
75. **Kolkovska, N.**, Four-level Conservative Finite-difference Schemes for Boussinesq Paradigm Equation, In: AIP Conf. Proc., 1561, 2013, pp. 68-74, SJR 0.161, ISSN: 0094-243X.
76. **Kolkovska, N., K. Angelow**, A Multicomponent Alternating Direction Method for Numerical Solution of Boussinesq Paradigm Equation In: Lecture Notes in Computer Science, 8236, 2013, pp. 371- 378, SJR 0.332, ISSN: 0302-9743.
77. **Kovacheva, R.**, Maximally convergent sequences of multipoint Padé approximants and distribution of points of interpolation, In: AMEE 2013, AIP Conference Proceedings 1570, 2013, 401 – 410, SJR 0.161, ISSN: 0094-243, ISBN 978-07354-1198-2.
78. Kreinovich, V., W. Luther, **E.D. Popova**, Special issue on ``uncertainty modeling and analysis with intervals: foundations, tools, applications", In: Soft Computing, 17, 2013, pp. 1315-1317, IF 1.124, ISSN: 1432-7643.
79. **Kutev, N., N. Kolkovska**, M. Dimova, Global existence of Cauchy problem for Boussinesq paradigm equation, In: Computers and Mathematics with Applications, v. 65, 2013, pp. 500-511, IF(2012) 2.069, ISSN: 0898-1221.
80. **Kutev, N., N. Kolkovska, M. Dimova**, Global Solvability to Generalized Boussinesq Equation with Bernoulli Type Nonlinearities via Nonstandard Potential Well Method, In: AIP Conference Proceedings, 1561, 2013, pp. 297-308, SJR 0.161, ISSN: 0094-243X.
81. **Kyurkchiev, N.**, Refinement of some iterative algorithms for solving system of linear equations, In: Compt. rend. Acad. bulg. Sci., 65 (12), 2012 (printed 2013), pp. 1657-1664, IF 0.211, ISSN: 1310-1331.
82. Lazzaro, E.C., A. Mallick, M. Singh, I. Reich, S. Elmann, **D.G. Stefanov**, D.R. Lazzaro, The Effect of Positional Changes on Intraocular Pressure During Sleep in Patients With and Without Glaucoma, In: Journal of Glaucoma, 2013, IF 1.865, ISSN: 1536-481X.
83. Levant, R.F., **D. G. Stefanov**, T.J. Rankin, M.J. Halter, C. Mellinger, C.M. Williams, Moderated path analysis of the relationships between masculinity and men's attitudes toward seeking psychological help, In: Journal of Counseling Psychology, Vol 60(3), Jul 2013, pp. 392-406, IF 2.628, doi: 10.1037/a0033014, ISSN: 0022-0167.
84. Manolis, G.D., K.Makra, P.Dineva, **T.Rangelov**, Seismic motions in a non-homogeneous soil deposit with tunnels by a hybrid computational technique. Earthquake and Structures, In: An International Journal 5:2, 161-205, 2013, IF 1.381, ISSN 2092-7614

85. Milanov, K., **O. Kounchev**, F.J. Fabozzi, Y.Sh. Kim, S.T. Rachev, A Binomial-Tree Model for Convertible Bond Pricing, In: *The Journal of Fixed Income*, Winter 2013, Vol. 22, No. 3, pp. 79-94, SJR 0.62, ISSN: 1059-8596.
86. Mitov, K.V. , **N. M. Yanev**, Sevastyanov branching processes with non-homogeneous Poisson immigration, In: *Proceedings of the Steklov Institute of Mathematics*, Vol. 282, 2013, pp. 172-185, , IF 0.277, ISSN: 0081-5438.
87. **Mutafchiev, L.**, The size of the largest part of random weighted partitions of large integers. In: *Combinatorics, Probability and Computing*, 22, 2013, pp. 433-454, IF 0.778, ISSN: 09635483.
88. **Nikolov, N.**, Estimates for invariant metrics near non-semipositive boundary points (with N. Q. Dieu and P. J. Thomas), In: *J. Geom. Anal.* 23, No 2, 2013, pp. 598-610 IF 0.864, ISSN: 598-610, ISSN: 1050-6926 (print version).
89. **Nikolov, N.**, Estimates of invariant metrics on ``convex domains, In: *Ann. Mat. Pura Appl.*, DOI 10.1007/s10231-013-0345-7, IF 0.68, ISSN: 0373-3114 (printed version), ISSN: 1618-1891 (electronic version).
90. **Nikolov, N., S. Hristova**, Liouville type theorem on \mathbf{Z}^2 , In: *Carpathian J. Math* 29, No 2, 2013, pp. 217-222, IF 0.852, ISSN: 1584–2851 (print), ISSN: 1843–4401 (online).
91. **Nikolov, N.**, On different extremal bases for \$Bbb C\$-convex domains (with P. Pflug and P. J. Thomas), In: *Proc. Amer. Math. Soc.* 141, No 9, 2013, pp. 3223-3230, IF 0.609. ISSN: 088-6826 (online), ISSN 0002-9939(print).
92. **Nikolov, N.**, On extremaums of sums of powered distances to a finite set of points (with R. Rafailov), In: *Geom. Dedicata* 167, No 2, 2013, pp. 69-89, IF 0.465, ISSN: 0046-5755 (Print), ISSN: 1572-9168 (Online).
93. **Nikolov, N.**, Real and complex k -planes in convex hypersurfaces, In: *J. Math. Ann. Anal.*, pp. 846-847, IF 1.05, ISSN: 0022-247X (printed), ISSN: 1096-0813 (electronic).
94. **Nikolov, N.**, Rigid characterizations of pseudoconvex domains (with P. J. Thomas), In: *Indiana Univ. Math. J.* 61, No 3, 2012 (printed 2013), pp. 1313-1323, IF 0.416, ISSN: 0022-2518.
95. **Nikolov, N.**, “Convex” characterization of linearly convex domains (with P. J. Thomas), In: *Math. Scand.* 111, No 2, 2012 (printed 2013), pp. 179-186, IF 0.521, ISSN 1903-1807.
96. **Pancheva, E.**, A. Gacovska, Asymptotic behaviour of central order statistics under monotone normalization, In: *Theory of Probab. Appl.*, v. 28, 1, 2013, pp. 177-192, IF 0.417, ISSN: 0040-585X.
97. **Paneva-Konovska, J.**, Comparison between the convergence of power and Bessel series, In: *American Institute of Physics Conf. Proceedings*, 1570, 2013, pp. 383-392 (AMEE’ 2013), SJR 0.161, ISSN: 0094-243X, ISBN: 978-07354-1198-2.
98. **Paneva-Konovska, J.**, On the multi-index (3m-parametric) Mittag-Leffler functions, fractional calculus relations and series convergence, In: *Central European Journal of*

- Physics, 11, No 10, 2013, pp. 1164-1177, IF 0,905, DOI: 10.2478/s11534-013-0263-8; p ISSN: 1895-1082, e ISSN: 1644-3608.
99. Perenyi, A., J. Amodio, J. S Katz, **D. G. Stefanov**, Clinical utility of corpus callosum measurements in head sonograms of preterm infants: a cohort study, BMJ Open 2013; 3:e002499 doi:10.1136/bmjopen-2012-002499 Paediatrics, IF 1.583, ISSN: 2044-6055.
100. **Popivanov, P.**, Boundary value problems for the biharmonic operator violating Lopatinskii conditions, In: C.R.Acad.Bulg. Sci., vol.66:9, 2013, pp. 1231-1238, IF 0.211, ISSN 1310-1331
101. **Popova E.D.**, M. Hladick, Outer enclosures to the parametric AE solution set, In: Soft Computing 17, 2013, pp. 1403-1414, IF 1.124, ISSN: 1432-7643.
102. **Popova, E.D.**, Inner Estimation of the Parametric Tolerable Solution Set, Computers and Mathematics with Applications, 66, 2013, pp. 1655-1665, IF 1.747, ISSN: 0898-1221.
103. **Popova, E.D.**, On ``Overestimation-free Computational Version of Interval Analysis'', In: Int. J. for Computational Methods in Engineering Science and Mechanics, 14(6), 2013, pp. 491-494, Scopus SJR 0.295, ISSN: 1550-2287.
104. **Raikov, G.**, A. Pushnitski, C. Villegas-Blas, Asymptotic density of eigenvalue clusters for the perturbed Landau Hamiltonian, In: Commun. Math. Phys., 320, 2013, pp. 425-453, IF 1.971, ISSN: 0010-3616.
105. Rakhlin, N., S.A. Kornilov, **D. Palejev**, R.A. Koposov, J.T. Chang, E.L. Grigorenko, The language phenotype of a small geographically isolated Russian-speaking population: Implications for genetic and clinical studies of developmental language disorder, In: Appl Psycholinguist, 34, 2013, pp. 971-1003, IF 0.95, doi:10.1017/S0142716412000094, ISSN: 0142-7164.
106. **Rangelov, T., A. Slavova**, Dynamic behaviour of piezoelectric solid via CNN approach, In: C. R. Acad. Sci. Bulg, 66:6, 2013, pp. 801-808, 2013, IF 0.211, ISSN 1310-1331.
107. **Rusev, P.**, Representation of holomorphic functions by Schlomilch's series, Fractional Calculus and Applied Analysis, Volume 16, No 2 (2013), pp. 431-435; DOI: 10.2478/s13540-013-006-7; pISSN 1311-0454, eISSN 1314-2224; IF (2013)= TBA (July 2014)
108. Robin, S., **V. T. Stefanov**, Detection of Significant Genomic Alterations via Simultaneous Minimal Sojourns at a State by Independent Continuous-time Markov Chains, In: Methodology and Computing in Applied Probability, 2013, DOI 10.1007/s11009-013-9374-3, IF 0.647, ISSN: 1573-7713.
109. Sanchez, I., R. Mangoo-Karim, J.R. Stubbs, **G.P. Yanev**, J.B. Wetmore, Racial and ethnic differences in 25-hydroxyvitamin D levels patients with chronic kidney disease, In: International Urology and Nephrology, Springer, 45 (1), 2013, pp. 181–189, IF 1.325, ISSN: 0301-1623, (listed as published online in 2012).
110. Simon, C., B. Skritek, **V.M. Veliov**, Optimal immigration age-patterns in populations of fixed size, In: J. Math. Anal. and Appl., 405, 1, 2013, pp. 71-89, IF: 1.3, ISSN: 0022-247X.

111. **Slavova, A., N. Kyurkchiev**, On an implementation of Black-Scholes model for estimation of Call- and Put option via programming environment MATHEMATICA, C. R. Acad. Sci. Bulg, 66:5, pp. 643-650, 2013, IF 0.211, ISSN 13-10-1331.
112. **Slavova, A.**, Stabilization Of Coupled Reaction-Diffusion CNN, In: IEEE Proc., ECCTD2013, pp. 56-60, IF 2.341, ISBN: 978-3-00-043430-3.
113. Song, F., X. Wen, L. Na, H. Tao, **D. Danev**, K. Ming, Power allocation for OFDM-based cognitive heterogeneous networks, Science China Information Sciences, 56(4): 1-10, 2013. IF 0.298 (2012) ISSN 1869-1919 (online), 1674-733X (print).
114. **Stefanov, V. T.**, Raimondo Manca. Distributions associated with (k1, k2) events on semi-Markov binary trials, In: Journal of Statistical Planning and Inference, Vol. 143, Issue 7, 2013, pp. 1233-1243, IF 0.713, ISSN: 0378-3758, (listed as published online in 2012).
115. **Stoimenova, E.**, Methodology in robust and nonparametric statistics, In: Journal of Applied Statistics, 40:12, 2013, 2773, IF 0.449, DOI: 10.1080/02664763.2013.816029, ISSN: 0266-4763.
116. Titov, I., I. Tsitovich, **S. Poryazov**, Use of time-scale for analysis of data source traffic, In: BWWQT 2013. Berlin: Springer-Verlag. Communications in Computer and Information Science, Vol. 356, 2013, pp. 187-197, ISSN: 1865-0929.
117. **Tomanov, G.**, Locally divergent orbits on Hilbert modular spaces, In: Int. Math. Res. Not. IMRN, no. 6, 2013, pp. 1404–1433, IF 1.116, Online ISSN: 1687-0247 - Print ISSN: 1073-7928.
118. **Topalova, S., S. Zhelezova**, On transitive parallelisms of PG(3,4), In: Applicable Algebra in Engineering, Communication and Computing, special issue "Computer Algebra in Coding Theory and Cryptography", Volume 24, Issue 3, 2013, pp. 159-164, IF 0.756, ISSN: 1432-0622.
119. **Trendafilov, N. T.**, Unkel, S., and Krzanowski, W. (2013) Exploratory factor and principal component analyzes: some new aspects, *Statistics and Computing*, 23, 209–220. IF 1.977, ISSN: 0960-3174.
120. **Troyanski St.** (with V. Fonf, A. Pallares), Isomorphically polyhedral Banach spaces. J. Math. Physics, Analysis, Geometry , 9 (2013), 108 - 113. ISSN: 1812-9471, IF=0.289
121. **Troyanski St.** (with W. Kubis, A.Molt'o), Topological properties of the continuous function spaces on some ordered compacta. Set-Valued Var. Anal., 21 (2013), 649 - 659. ISSN: 1877-0533, IF=1.036
122. Unkel, S., and **Trendafilov, N. T.** (2013) Zig-zag exploratory factor analysis with more variables than observations, *Computational Statistics*, 28, 107–125. IF 0.482, ISSN: 0943-4062.
123. Xing, W., Z. Fei, N. Li, Y. Han, **D. Danev**, J. Kuang, Statistically robust resource allocation for distributed multi-carrier cooperative networks, In: Sci. China Inform. Sci., 56(2), 2013, pp. 109-121, , IF 0.298 (2012), ISSN 1869-1919 (online)q 1674-733X (print).

124. Zemitis, A., **Iliev, O.**, Steiner, K., Klein-Hessling, W., Sonnenkalb, M., Freitag, M., Simulation of multiphysics in a NPP containment using combined codes with different spatial resolution, AIP Conference Proceedings, 1558, 2013, pp. 144-147, SJR 0.161, ISSN: 0094-243X.

II 1.2.2. ПРИЕТИ ЗА ПЕЧАТ ПРЕЗ 2013 Г.

1. **Anguelov, R.**, J. H. van der Walt, Algebraic and Topological Structure of Some Spaces of Set-valued Maps, In: Computers and Mathematics with Applications, ISSN: 0898-1221, IF = 1.747 (приета за публикуване).
2. **Anguelov, R.**, Y. Dumont, J. M.-S Lubuma, M. Shillor, Dynamically consistent nonstandard finite difference schemes for epidemiological models, In: Journal of Computational and Applied Mathematics, <http://dx.doi.org/10.1016/j.cam.2013.04.042>, ISSN: 0377-0427, IF 0.989/2012 (приета за публикуване).
3. **Baicheva, T., E. Kolev**, Minimal coverings of $\{0,1,2\}^n$ with spheres of radius n, In: Utilitas Mathematica, 2013 (приета за публикуване).
4. Baier, R., **E. Farkhi**, V. Roshchina, Directed Subdifferentiable Functions and the Directed Subdifferential Without Delta-Convex Structure, In: Journal of Optimization Theory and Applications, ISSN: 0022-3239, EISSN: 1573-2878 (приета за публикуване).
5. **Bazhlekova, E.**, I. Dimovski, Exact solution of two-term time-fractional Thornley's problem by operational method, In: Integral Transforms and Special Functions, 25, No 1, 2014, pp. 61-74, doi: 10.1080/10652469.2013.815184, IF 0.73, ISSN: 1065-2469.
6. **Bogdanova, G., T. Todorov**, N. Noev, Computer approaches to study cultural heritage data, In: Encyclopedia of Information Systems and Technology (приета за публикуване).
7. Dilworth, S.J., **D. Kutzarova**, G. Lancien, N.L. Randrianarivony, Asymptotic geometry of Banach spaces and uniform quotient maps, In: Proc. Amer. Math. Soc., IF 0.611, ISSN: 0002-9939.
8. Dilworth, S.J., S. Gogyan, **D. Kutzarova**, On the convergence of a weak greedy algorithm for the multidimensional Haar basis, Constructive Approx., IF 1.119, ISSN: 0176-4276(p), 1432-0940(e),
9. **Dimitrova, L.**, R. Garabík, Translation Equivalence of Demonstrative Pronouns in Bulgarian-Slovak Parallel Texts. In: Journal Cognitive Studies/Études Cognitives. Vol. 14, 2014, SOW, Warsaw, ISSN: 2080-7147, IF [ERIH nat] (под печат)
10. **Dimitrova, L.**, V. Koseska-Toszewska, D. Roszko, R. Roszko, Trilingual Aligned Corpus – Current State and New Applications. In: Journal Cognitive Studies/Études Cognitives. Vol. 14, SOW, Warsaw, 2014. ISSN: 2080-7147, IF [ERIH nat] (под печат)

11. **Dimitrova, L.**, V. Koseska–Toszewska, Presentation of the Verbs in Bulgarian-Polish Electronic Dictionary. In: Journal Cognitive Studies/Études Cognitives. Vol. 14, 2014, SOW, Warsaw, ISSN: 2080-7147, IF [ERIH nat] (под печат)
12. **Dimovski, I., M. Spiridonova**, Operational Calculi for Nonlocal Cauchy Problems in Resonance Cases, LNCS, AADIOS 2012, (под печат).
13. Dobrinkova, N., **G. Dobrinkov**, Farsite and WRF-Fire models, Pros and Cons For Bulgarian Cases, In: 9th International Conference on "Large-Scale Scientific Computations" LSSC'13, Sozopol 3-7 June 2013, Lecture Notes in Computer Science, Springer Germany (приета за публикуване)
14. **Dutsova, R.**, Web-based Software System for Processing Bilingual Digital Resources. In: International Journal Cognitive Studies/Études Cognitives. Vol. 14, 2014, SOW, Warsaw. ISSN: 2080-7147, IF: ERIH [nat] (под печат)
15. Dyn, N., **O. Kounchev**, D. Levin, H. Render, Regularity of generalized Daubechies wavelets reproducing exponential polynomials with real-valued parameters, In: App. Comp. Harmonic Analysis, IF 2.485, ISSN: 1063-5203 (приета за публикуване).
16. **Farkhi, E.**, T. Donchev, R. Baier, Existence of solutions for nonconvex differential inclusions of monotone type, arXiv:1307.1871vl[math.CA], In: Comptes rendus de l'Academie bulgare des Sciences, ISSN: 1310-1331 (приета за публикуване).
17. **Gateva-Ivanova, T.**, Gunnar Fløystad, Monomial algebras defined by Lyndon words, In: Journal of Algebra, 2013, IF 0.583 (приета за публикуване).
18. Gavrilov, L., **Iliya D. Iliev**, Perturbations of quadratic Hamiltonian two-saddle cycles, Ann. Inst. H. Poincaré, Analyse non linéaire [to appear], 20 pp. IF 1.550 (2012) ISSN: 0294-1449
19. **Kanev, V.**, Irreducible Components of Hurwitz Spaces Parameterizing Galois Coverings of Curves of Arbitrary Genus, In: Pure and Applied Mathematics Quarterly, IF 0.718 (2012), ISSN Print: 1558-8599, ISSN Online: 1558-8602 (приета за публикуване).
20. Kerkyacharian, G., **P. Petrushev**, Heat kernel based decomposition of spaces of distributions in the framework of Dirichlet spaces, In: Transactions of AMS, ISSN 0002-9947 (print version), ISSN 1088-6850 (electronic version) (приета за публикуване).
21. **Kutev, N., N. Kolkovska, M. Dimova**, Global existence to generalized Boussinesq equation with combined power-type nonlinearities, In: Journal of Mathematical Analysis and Applications, v. 410 (2014), pp. 427-444, (DOI: 10.1016/j.jmaa.2013.08.036), ISSN: 0022-247X, IF(2012): 1.050
22. Kyriazis, G., **P. Petrushev**, Rational bases for spaces of holomorphic functions in the disc, In: Journal of the London Mathematical Society, ISSN: 0024-6107 (print version), ISSN: 1469-7750 (electronic version) (приета за публикуване).
23. **Kyurkchiev, N., A. Andreev**, Synthesis of slot aerial grids with Hausdorff-type directive patterns – implementation in programming environment MATHEMATICA, In: Compt.

- rend. Acad. bulg. Sci., 66 (11), 2013, IF: 0.211 (за 2012), ISSN: 1310-1331 (приета за публикуване).
24. **Landjev, I.**, P. Vandendriesche, On the rank of incidence matrices in projective Hjelmslev spaces, In: Designs, Codes and Cryptography, 2013 (приета за публикуване).
 25. McDonough, T.P., R. Shaw, **S. Topalova**, Classification of book spreads in PG(5,2), In: Note Di Matematica, 2013 (приета за публикуване).
 26. Pietrus, A., **V.M. Veliov**, The Euler Method for Linear Control Systems Revisited, In: Large-Scale Scientific Computing, Proceedings of the 9th International Conference on “Large-Scale Scientific Computations”, I. Lirkov, S. Margenov, J. Wasniewski (Eds.), Lecture Notes in Computer Science, 2013, ISSN: 0302-9743(p), 1611-3349(e), индексирана от Scopus.
 27. **Popova, E.**, Inner Estimation of Linear Parametric AE-Solution Sets, Comptes rendus de l'Academie Bulgare des Sciences, ISSN: 1310-1331, IF 0.211.
 28. **Poryazov, S., E. Saranova, M. Spiridonova**, Modeling of Telecommunication Processes in An Overall Complex System, In: J. Physics of Elementary Particles and Atomic Nuclei, Letters, ISSN (print): 1814-5957, ISSN (online): 1814-5973 IF 0.505 (приета за публикуване).
 29. Quincampoix, M., **V.M. Veliov**, Metric regularity and stability of optimal control problems for linear systems, In: SIAM J. Contr. Optim., ISSN: 0363-0129, eISSN: 1095-7138 (приета за публикуване).
 30. Skritek, B., **Ts. Tsachev, V.M. Veliov**, Pontryagin's type optimality conditions for a distributed control problem arising in endogenous growth theory, In: Proceedings of the 9th International Conference on “Large-Scale Scientific Computations”, Lecture Notes in Computer Science 2013, ISSN: 0302-9743(p), 1611-3349(e), индексирана от Scopus (<http://www.springer.com/computer/lncs?SGWID=0-164-6-1068921-0>) (приета за публикуване).
 31. **Topalova, S., S. Zhelezova**, Doubly resolvable designs with small parameters, In: Ars Combinatoria, 2013 (to appear).
 32. **Topalova, S., S. Zhelezova**, On point-transitive and transitive deficiency one parallelisms of PG(3,4), In: Designs Codes and Cryptography, online first, DOI:10.1007/s10623-013-9887-3, 2013 (to appear).
 33. Zemla A., **Kostova T.** et al., “GeneSV – an approach to help characterize possible variations in genomic and protein sequences”, Bioinformatics and Biology Insights (in press) ISSN: 1177-9322 IF 1.809
 34. **Периклиев, Вл.**, Антонимията като структурен фактор за семантична промяна. Сп. „Български език“ (ERIH кат. N), 2013, ISSN: 0005-4283.

II 1.3. СПИСЪК НА ПУБЛИКАЦИИТЕ БЕЗ РЕФЕРИРАНЕ И ИНДЕКСИРАНЕ В СВЕТОВНАТА СИСТЕМА ЗА РЕФЕРИРАНЕ, ИНДЕКСИРАНЕ И ОЦЕНЯВАНЕ (В СВЕТОВНИ ВТОРИЧНИ ЛИТЕРАТУРНИ ИЗТОЧНИЦИ)

II 1.3.1. ИЗЛЕЗЛИ ОТ ПЕЧАТ ПРЕЗ 2013 г.

1. Adachi, K., **Trendafilov, N. T.** (2013) Decomposed Principal Component Analysis for Obtaining Interpretable Solutions. *Proceedings of the 2013 Meeting of Japanese Federation of Statistical Science Associations*, p. 314.
2. **Angelova, V.**, Y. Borissov, Slide attacks: an introduction and overview of the basic works, сб. проект NSF I01/0003, 2013 (Internal Technical Report)
3. **Apostolova, L.**, Hyperbolic bicomplex variables , In: Complex Analysis and Applications '13, Proc. Intern. Conf., Sofia, 2013, pp. 33–54, ISBN: 978-954-8986-38-0.
4. **Baicheva, T., E. Kolev**, About the inverse football pool problem for 9 games, In: Proc of Seventh Int. Workshop on Optimal Codes and Related Topics, September 6-12, 2013, Albena, Bulgaria, pp. 125-133, ISSN: 1313-1117.
5. **Bazhlekova, E.**, Properties of the fundamental and the impulse-response solutions of multi-term fractional differential equations, In: Complex Analysis and Applications '13, Proc. of International Conference, Sofia, 31 Oct. – 2 Nov. 2013, 2013, pp. 55–64, ISBN: 978-954-8986-37-3.
6. **Borissov, Y.**, On McEliece's Result about Divisibility of Weights of the Binary Reed-Muller Codes, In: Proceedings of the Seventh International Workshop on Optimal Codes and Related Topics, Albena, Bulgaria, 2013, pp. 47-52, ISSN: 1313-1117.
7. **Borissov, Y.**, V. Angelova, Cryptanalytic time-memory trade-off attacks: an introduction, сб. проект NSF I01/0003, 2013, (Internal Technical Report)
8. **Boutchaktchiev, V.**, Local Mixed Hodge Structure on Brill-Noether Stacks, October 2013, arXiv: 1310.5648, 27 pp.
9. **Boutchaktchiev, V.**, Nonabelian Mixed Hodge Structure on Brill-Noether Stacks, October 2013, arXiv: 1310.5649, 10 pp.
10. **Boutchaktchiev, V.**, Risk v. Overreaction and Migration, Social Science Research Network (SSRN), December 19, 2013, http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2350227
11. **Bouyukliev, I.**, V. Monev, M. Dzhumalieva-Stoeva, About parallelization of an algorithm for the maximum clique problem, In: International Workshop OCRT, Bulgaria, 2013, pp. 53-58, ISSN 1313-1117.
12. **Bouyuklieva, S., I. Bouyukliev**, On the binary quasi-cyclic codes, In: International Workshop OCRT, Bulgaria, 2013, pp. 59-64, ISSN: 1313-1117.

- 13. Boyvalenkov, P., E. Kolev**, Mathematical competitions in Bulgaria – development and perspectives, In: Proc. Fifth Intern. Sci. Conf. of South-West University, 12-16 June 2013, pp. 3-13, ISSN: 1314-0272.
- 14. Boyvalenkov, P.**, H. Kulina, M. Stoyanova, Nonexistence of certain binary orthogonal arrays, In: Proc. Seventh International Workshop on Optimal Codes and Related Topics, Albena, Bulgaria, Sep. 2013, pp. 65-70, ISSN: 1313-1117.
- 15. Boyvalenkov, P.**, H. Kulina, M. Stoyanova, On (4,9,96) binary orthogonal arrays, In: Proc. Seventh International Workshop on Optimal Codes and Related Topics, Albena, Bulgaria, Sep. 2013, pp. 71-76, ISSN: 1313-1117.
- 16. Brimkov, V. E.**, S. Kafer, M. Szczepankiewicz, J. Terhaar , Maximal cliques in intersection graphs of quasi-homothetic trapezoids, Proc. MCURCSM'13, Ohio, 10 pp. (2013)
- 17. Brimkov, B., V. E. Brimkov**, Geometric approach to string analysis: deviation from linearity and its use for biosequence classification, <http://arxiv.org/abs/1308.2885v1> (2013)
- 18. Chehlarova, T., E. Sendova**, Finding geometric patterns as a game of dynamic explorations. Scientia iuvenis, Book of Scientific Papers, Scientific guarantee: prof. RNDr. Ľubomír Zelenický, CSc. Slovak republic, Constantine the Philosopher University in Nitra, 2013, pp. 487-494, ISBN: 978-80-558-0390-6.
- 19. Dimitrova, N. S.**, Extremum Seeking in a Chemostat Model of Plasmid-bearing, Plasmid-free Competition. In: M. Hudec et al. (eds.) Proc. 14th International Conference of PhD Students, Young Scientists and Pedagogues, September 25, 2013, Constantine the Philosopher University in Nitra, Slovakia, pp. 399-406, 2013, ISBN: 978-80-558-0390-6.
- 20. Dimkov, G.**, Alfred Nobel and Mittag-Lefler – Facts and Questions, (in Bulgarian), In: Proceedings of the Forty Second Spring Conference of the Union of Bulgarian Mathematicians, Borovetz, April 2–6, 2013, pp. 92-101, ISSN: 1313-3330.
- 21. Dimovski, I. H., V. Z. Hristov**, Commutant of a Cherednik type operator on the real line, In: Complex Analysis and Applications '13, Proc. of International Conference, Sofia, 31 Oct.-2 Nov. 2013, pp. 77-84, ISBN: 978-954-8986-37-3.
- 22. Dimovski, I., M. Spiridonova**, Extension of Duhamel Principle for Linear Nonlocal Initial-Boundary Value Problems, In: Complex Analysis and Applications '13, Proc. Intern. Conf., Sofia, 2013) - Electronic Book (Full Length Papers, 345 pp.), Institute of Mathematics and Informatics, Bulg. Acad. Sci., Sofia, 2013; pp. 85-92, ISBN: 978-954-8986-38-0,
- 23. Dobrev, D.**, Comparison between the two definitions of AI, 31 Jan 2013, arXiv: 1302.0216 [cs.AI], 21 pp.
- 24. Dobrev, D.**, Giving the AI definition a form suitable for engineers, 19 Dec 2013, arXiv: 1312.5713 [cs.AI], 19 pp.

- 25.** Droganova, M., **V.V. Iliev**, On the Preference Relations with Negatively Transitive Asymmetric Part. I. <http://arxiv.org/abs/1302.7238> (extended version). Submitted on 25 Feb 2013 (v1), last revised 29 Oct 2013 (this version, v2), 28 pp.
- 26.** Garloff, J., **E.D. Popova**, A. Smith, Solving Linear Systems with Polynomial Parameter Dependency with Application to the Verified Solution of Problems in Structural Mechanics, In: A. Chinchuluun et al. (eds.) Optimization, Simulation, and Control, Springer Optimization and Its Applications, 76, 2013, pp. 301-318, doi: 10.1007/978-1-4614-5131-0_19, ISBN: 978-1-4614-5130-3 Copyright Springer Science+Business Media New York, 2013.
- 27.** Georgiev, S., **Z. Minchev**, An Evolutionary Prototyping for Smart Home Inhabitants Wearable Biomonitoring, In: Conjoint Scientific Seminar ‘Modelling & Control of Information Processes’, IMI-BAS, November 19, 2013, pp. 21-30, ISSN: 1314-2771.
- 28.** **Georgieva, I.**, C. Hofreither, T. Ilieva, **T. Ivanov**, S. Nakov, Laboratory calibration of a MEMS accelerometer sensor, European Study Group with Industry'95 (ESGI'95) September 23 - 27, 2013, Sofia, Bulgaria, Problems and final reports, Published by Demetra 2013, pp. 61-85, ISBN: 978-954-9526-84-4.
- 29.** Georgieva, N., **I. Landjev**, A Note on the Existence of Spreads in Projective Hjelmslev Spaces, In: Proceedings of the Seventh International Workshop on Optimal Codes and Related Topics, Albena, Bulgaria, Sept.2013, pp. 91-95, ISSN: 1313-1117.
- 30.** **Gortcheva, I.**, **E. Kelevedjiev**, Humanities and Mastering Students' Mathematical and Computer Programming Skills, In: Proceedings Education: MASSEE International Congress on Mathematics MICOM 2009 (printed 2013), Ohrid, Republic of Macedonia, Skopje, Macedonia: Macedonian Mathematical Society, pp. 88-95, ISBN: 978-9989-646-40-9.
- 31.** **Gortcheva, I.**, Financial education through mathematics and IT curricula: Pocket money management, In: Proceedings of the 6th National Conference on Education and Research in Information Society, Plovdiv, Bulgaria, 2013, Association for Development of Information Society, pp. 49-57, ISSN: 13140752.
- 32.** **Gortcheva, I.**, Preparedness of Pre-Service Primary School Teachers to Study Natural Numbers at University, In: Proceedings of the 2nd International Conference on Methodological Aspects of teaching Mathematics, Jagodina, Serbia, 2012 (printed in 2013), Faculty of Education at the University of Kragujevac, pp. 109-117, ISBN: 978-86-7604-089-6.
- 33.** **Gortcheva, I.**, Teaching Properties of Mathematical Objects to Liberal Arts Students. Proceedings Education: MASSEE International Congress on Mathematics MICOM 2009 (printed 2013), Ohrid, Republic of Macedonia, Skopje, Macedonia: Macedonian Mathematical Society, pp. 96-103, ISBN: 978-9989-646-40-9.
- 34.** **Gortcheva, I.**, When Imagination Needs Some Help. In: Kenderov P. and Sendova, E. (Eds.) Inquiry-based Learning Approach to Mathematics Education, Sofia, Bulgaria, 2013, Regalia-6, pp. 188-194, ISBN: 978-954-745-224-4.
- 35.** **Gortcheva, I.**, Working on extremum problems with the help of dynamic geometry systems, In: Acta Didactica Napocensia, 6(1), 2013, pp. 69-76, ISSN 2065-1430.

- 36. Guelev, D.**, Case Study Description: Access Control, VaToMAS - Verification and Testing of Multi-Agent Systems (Dagstuhl Seminar 13181), Dagstuhl Reports 3(4), pp. 174-175, 2013, <http://dx.doi.org/10.4230/DagRep.3.4.151>, ISSN: 2192-5283.
- 37. Guelev, D.**, Yet Another Modal Notation for Strategy Contexts, VaToMAS - Verification and Testing of Multi-Agent Systems (Dagstuhl Seminar 13181), Dagstuhl Reports 3(4), pp. 162, 2013, <http://dx.doi.org/10.4230/DagRep.3.4.151>, ISSN: 2192-5283.
- 38. Gyudzhenov, I., I. Ganchev, S. Grozdev**, Logical Statue and Practical and Psychological Roots of Some Mathematical Activities, In: Proceedings MASSEE International Congress on Mathematics, MICOM 2009, 16 – 20 September 2009, Ohrid, Republic of Macedonia. Skopje: Macedonian Mathematical Society, 2013, pp. 104-113, ISBN: 978-9989-646-40-9.
- 39. Iliev, D., O. Iliev**, Ralf Kirsch, Andro Mikeli, Michael Dedering, Modelling and simulation of uid-porous structure interaction (FPSI) on the flter element scale, In: Proceedings Filtech Europa, 2013, p.G16-03-138, ISBN 978-3-941655-06-5(Print), ISBN 978-3-941655-07-2(Electronic)
- 40. Iliev, O.**, Ralf Kirsch, Zahra Lakdawala Filter Element Simulation Toolbox (FiltEST), In: Proceedings Filtech Europa, 2013, p.G18-02-148, ISBN 978-3-941655-06-5(Print), ISBN 978-3-941655-07-2(Electronic)
- 41. Ivanova, Kr. B., K. Vanhoof, Kr. Markov, V. Velychko**, Storing Ontologies by NL-Addressing, In: IVth All-Russian Conference “Knowledge-Ontology-Theory” (KONT-13), Novosibirsk, Russia, 2013, pp. 175-184, ISSN: 0568 661X.
- 42. Ivanova, Kr. B., K. Vanhoof, Kr. Markov, V. Velychko**, The Natural Language Addressing Approach, In: International Scientific Conference “Modern Informatics: Problems, Achievements, and Prospects of Development”, devoted to the 90th anniversary of academician V. M. Glushkov. Kiev, Ukraine, 2013, pp. 214-215, ISBN: 978-966-02-6928-6.
- 43. Kirov, N.**, A System for Assessing the Knowledge and Skills of Students in Computer Programming, In: Proceedings of the 9th Annual International Conference on Computer Science and Education in Computer Science, 29-30 June 2013 in Fulda, and 1-2 July 2013 in Wurzburg, Germany, pp. 109-112, ISSN: 1313-8624.
- 44. Kirov, N., L. Peycheva**, Information Technology for Preserving the Bulgarian Folklore Heritage, In: Proceedings of the 9th Annual International Conference on Computer Science and Education in Computer Science, 29-30 June 2013 in Fulda, and 1-2 July 2013 in Wurzburg, Germany, pp. 56-59, ISSN: 1313-8624.
- 45. Kiryakova, V.** (Editor), Complex Analysis and Applications '13, Proc. of International Conference, Sofia, 31 Oct.–2 Nov. 2013. Institute of Mathematics and Informatics – Bulg. Acad. Sci., Sofia 2013, 345 pp., ISBN: 978-954-8986-37-3, ISBN: 978-954-8986-38-0.
- 46. Kiryakova, V.**, Academician Ljubomir Iliev and the day of national leaders: Preface, In: Complex Analysis and Applications '13, Proc. of Intern. Conf., Sofia, 31 Oct.-2 Nov. 2013, pp. 1-5, Sofia 2013, ISBN: 978-954-8986-37-3, ISBN: 978-954-8986-38-0.
- 47. Kiryakova, V.**, An open problem of Ljubomir Iliev related to the Mittag-Lleffler function and fractional calculus operators, In: Complex Analysis and Applications '13,

Proc. Intern. Conf., Sofia, 31 Oct.-2 Nov. 2013, pp. 139-153, Sofia 2013, ISBN: 978-954-8986-37-3, ISBN: 978-954-8986-38-0.

- 48. Kostadinov, Hr., N. L. Manev**, On Integer Code Correcting Single Error of Type (-1,1,2), In: Proceedings of the Seventh International Workshop on Optimal Codes and Related Topics, Albena, Bulgaria, 2013, pp. 134-139, ISSN: 1313-1117.
- 49. Landjev, I.**, A. Rousseva, Blocking Sets in Finite Projective Spaces and the Extension Problem for Linear Codes, In: Proceedings of the Seventh International Workshop on Optimal Codes and Related Topics, Albena, Bulgaria, Sept.2013, pp. 140-145, ISSN: 1313-1117.
- 50. Lazarov, B.**, Application of some cybernetic models in building individual educational trajectory, In: Information Models and Analyses, Vol. 2, No1, 2013, pp. 90-99, ISSN: 1314-6416.
- 51. Lazarov, B.** Socratic style teaching and synthetic competence building of advanced students in mathematics, DARYN, Astana, 2013, студия 51 стр., ISBN: 9965-522-15-4.
- 52.** Marigonda, A., D. Aleksov, J. Idziak, K. Georgiev, M. Kozlowski, **M. Krastanov**, M. Veneva, M. Sikora, S. Angelov: Mini Max Wallpaper, European Study Group with Industry'95 (ESGI'95), September 23 - 27, 2013, Sofia, Bulgaria, Problems and final reports, Published by Demetra 2013, pp. 47-60, ISBN: 978-954-9526-84-4.
- 53. Markov, Kr., Kr. B. Ivanova**, V. Velychko, Evaluation of Scientific Contributions, In: International Scientific Conference “Modern Informatics: Problems, Achievements, and Prospects of Developmen”, devoted to the 90th anniversary of academician V. M. Glushkov. Kiev, Ukraine, 2013, pp. 167-169, ISBN: 978-966-02-6928-6.
- 54.** Ockendon, H., S. Stoykov, T. Zorawik, S. Dimova, **I. Georgiev**, **N. Kolkovska**, M. Todorov, **D. Vasileva**, Prediction of sanding in subsurface hydrocarbon reservoirs. In: The 95th European Study Group with Industry (ESGI'95), Problems and Final Reports, Demetra, Sofia, 2013, pp. 87-95, ISBN: 978-954-9526-84-4.
- 55. Paneva-Konovska, J.**, Comparison between the convergence of power and generalized Mittag-Leffler series, In: Complex Analysis and Applications '13, Proc. Intern. Conf., Sofia, 31 Oct.-2 Nov. 2013, pp. 166-173, ISBN: 978-954-8986-37-3, ISBN: 978-954-8986-38-0.
- 56. Paneva-Marinova, D., K. Rangochev**, Information Artery for Bulgarian Folklore and Traditional Culture, In: Arnaudov Proceedings (Арнаудов сборник), Volume 7, 2013, Ruse, Publisher „Leni-an”, pp. 139-144, ISBN: 978-619-7058-06-2.
- 57. Paneva-Marinova, D.**, Understanding Algorithms by Designing Them in a New Way, In: Proceedings of the Forty Second Spring Conference of the Union of Bulgarian Mathematicians, Bulgaria, April, 2013, pp. 356-360, ISSN: 1313-3330.
- 58. Pashkouleva, D.**, Certain classes of functions with negative coefficients, II, In: CAA '13 Electronic Book (Full Length Papers), 2013, pp. 174-180, ISBN: 978-954-8986-38-0.

- 59. Pashkouleva, D.**, List of the publications of Academician Ljubomir Iliev, In: Complex Analysis and Applications '13, Proceedings of International Conference, 2013, pp. 17-32, ISBN: 978-954-8986-37-3.
- 60. Pashkouleva, D.**, The contributions of Academician Ljubomir Iliev to the education in mathematics in Bulgaria, In: CAA '13 Electronic Book (Full Length Papers), 2013, pp. 181-203, ISBN: 978-954-8986-38-0.
- 61. Peltekov, A., D. Boyadzhiev, M. Kozlowski, Z. Varbanov, Z. Minchev**, Optimization of the charging process in zinc hydrometallurgy, In the book ESGI' 95 Problems & Final Reports, Demetra Publishing House, Sofia, 2013, pp. 39-45, ISBN: 978-954-9526-84-4.
- 62. Rachev, R.**, Von AQ auf WebLogic JMS – Motive und Hintergründe einer Entscheidung, DOAG Development, 2013 (Internal Technical Report)
- 63. Sendova, E.**, Assisting the art of discovery at school age: The Bulgarian experience. In: Pedro Sanchez-Escobedo (Ed.): Talent development around the world, Universidad Autonoma de Yucatan (UADY), 2013, 399 p., p. 39-98, ISBN: 978-607-8191-63-5.
- 64. Sendova, E., T. Chehlarova**, Studying fine-art compositions by means of dynamic geometry constructions. Scientia iuvenis, Book of Scientific Papers, Scientific guarantee: prof. RNDr. Ľubomír Zelenický, CSc. Slovak republic, Constantine the Philosopher University in Nitra, 2013, pp. 495-502, ISBN: 978-80-558-0390-6.
- 65. Todorov, N.**, Comparing Agile and PMBOK: cost management, Mathematics and Education in Mathematics, 2013, pp.320-328, ISSN: 1313-3330.
- 66. Todorov, T.**, Zl. Varbanov, DNA codes based on additive self-dual codes over GF(4), In: Proceedings of the Seventh International Workshop on Optimal Codes and Related Topics, Albena, Bulgaria, 2013, pp.170-175, ISSN: 1313-1117.
- 67. Topalova, S., S. Zhelezova**, Parallelisms of PG(3,5) with automorphisms of order 13, In: Proceedings of the Seventh International Workshop on Optimal Codes and Related Topics, Albena, Bulgaria, 2013, pp. 176-180, ISSN: 1313-1117.
- 68. Trayanov, P., M. Slavtchova-Bojkova**, Crump-Mode-Jagers Branching Processes: Application in Population Projections, 1-8, In: Advanced research in mathematics and computer science, Proceedings of the Doctoral Conference in Mathematics, Informatics and Education, Sofia, Bulgaria, 19-20.09. 2013, pp. 1-8, ISBN: 978-954-07-3596-2.
- 69. Vavrek, V., A. J. van Zanten**, Special weight partitions modulo a prime, In: Proceedings of the Seventh International Workshop on Optimal Codes and Related Topics, Albena, Bulgaria, 2013, pp. 187-192, ISSN: 1313-1117.
- 70. Velychko, V., Levon Aslanyan, Kr. Markov, Kr. B. Ivanova**, About Automatic Discovering Substantial Citations, In: Proceedings of the 9th International Conference on Computer Science and Information Technologies (CSIT), Yerevan, Armenia, 2013, pp. 220-224, ISBN 978-5-8080-0797-0.
- 71. Ангелова, В.**, Сравнения на видове таблични тестове и тяхното намиране, Компютърни науки и технологии, Година XI, брой 2/2013, стр.63-68, ISSN 1312-3335

- 72. Андреев, А.**, Академик Стефан Додунеков 1945-2012, В: Сборник с трудове на 42 Пролетна конференция на СМБ, Боровец, 2-6 Април, 2013, стр. 5-12, ISSN: 1313-3330.
- 73.** Атанасова, Д., **Г. Богданова**, К. Иванова, Електронен архив на документалното наследство за Балканските войни, В: Сборник на Workshop Иновации и култура – регионални решения и перспективи. Регион Велико Търново – кандидат за европейска столица на културата 2019 към UNESCO International Conference on Digital Presentation and Preservation of Cultural and Scientific Heritage, Велико Търново, 2013, стр. 75-79, ISBN: 978-954-8986-36-6.
- 74.** Банков, К., **П. Матеев, М. Божкова**, Дискусия „Проблеми на образованието по Стохастика 2013“, В: Трудове на 42-та пролетна конференция на СМБ, 2-6 април 2013, стр. 145-146, ISSN: 1313-3330.
- 75. Банчев, Б.**, Програмирането като метасмятане. В: Сб. VI-та нац. конф. „Образованието в информационното общество“, 2013, стр.29-38, ISSN: 1313-3330.
- 76. Богданова, Г.**, Проекти и инициативи за цифровизация и цифрово представяне на културната история на Велико Търново и региона, В: Сборник на Workshop Иновации и култура – регионални решения и перспективи. Регион Велико Търново – кандидат за европейска столица на културата 2019 към UNESCO International Conference on Digital Presentation and Preservation of Cultural and Scientific Heritage, Велико Търново, 2013, стр.37-49, ISBN: 978-954-8986-36-6.
- 77. Богданова, Г.**, Ст. Кънчева, Г. Чохаджиева, Майсторът и времето. Проект за цифровизация на творчеството на Майстор Колю Фичето, В: Сборник на Workshop Иновации и култура – регионални решения и перспективи. Регион Велико Търново – кандидат за европейска столица на културата 2019 към UNESCO International Conference on Digital Presentation and Preservation of Cultural and Scientific Heritage, Велико Търново, 2013, стр. 9-37, ISBN: 978-954-8986-36-6.
- 78. Богданова, Г., Т. Тодоров**, Н. Ноев, Семантично представяне на знания и защита на данни в областта на културно-историческото наследство, В: XI-национална научна конференция с международно участие "Библиотеки-четене-комуникации", 16-17 ноември 2012 (публ. 2013), посветена на 20-годишнината на катедра "Библиотекознание и масови комуникации" при Стопански факултет на ВТУ "Св. св. Кирил и Методий", стр. 390-395, ISSN 1313-8138.
- 79. Гачев, Г.**, Й. Димова, Методика за представяне на модели в обучението по химия, В: Изследователски подход в образованието по математика, П. Кендеров, Е. Сендова (ред.), стр. 23-28, ISBN: 978-954-745-224-4.
- 80. Гачев, Г.**, Таблети със среда за визуално програмиране – образователни перспективи, В: Педагогически форум, брой 3/2013, стр.106-112, ISSN: 1314-7986.
- 81. Гроздев, С.**, 80 години от рожденията на доц. Геро Геров, В: Математика и математическо образование, Сборник доклади на 42 пролетна конференция на СМБ, Боровец, 2 – 6 април 2013, София, стр. 37-41, ISSN: 1313-3330.
- 82. Гроздев, С., Б. Лазаров**, Два взгляда на организации обучения математики

основанное на Васан геометрии, В: Информационные ресурсы в образовании, Материалы Международной научно-практической конференции, г. Нижневартовск, Россия, 17-19 апреля 2013 года, Нижневартовск: Издательство НВГУ, 2013, стр. 251-253, ISBN: 978-5-89988-996-7.

- 83. Гроздев, С., Б. Лазаров.** Експерименталната математика в училище, В: Математика и информатика, т. 56, 2, 2013, стр. 103-111, ISSN: 1310-2230.
- 84. Гроздев, С.,** В. Ненков, Геометрични места при движение на вписан четириъгълник, В: Математика и математическо образование, Сборник доклади на 42 пролетна конференция на СМБ, Боровец, 2 – 6 април 2013, София, стр. 373-382, ISSN: 1313-3330.
- 85. Гроздев, С.,** В. Ненков, Един вид централни конични сечения през една точка, В: Математика плюс, 4, 2013, стр. 66-72, ISSN: 0861-8321.
- 86. Гроздев, С.,** В. Ненков, Един специален вид криви от втора степен, породени от точката на Нагел, В: Математика плюс, 3, 2013, стр. 44-53, ISSN: 0861-8321.
- 87. Гроздев, С.,** В. Ненков, Новите Нобелови награди, В: Математика плюс, 4, 2013, стр. 10-14, ISSN: 0861-8321.
- 88. Гроздев, С.,** В. Ненков, Новият Абелов лауреат, В: Математика плюс, 2, 2013, стр. 10-14, ISSN: 0861-8321.
- 89. Гроздев, С.,** В. Ненков, Няколко свойства на четириъгълника, определени от описаните му централни конични сечения, В: Математика плюс, 1, 2013, стр. 57-66, ISSN: 0861-8321.
- 90. Гроздев, С.,** В. Ненков, Няколко свойства на четириъгълника, определени от описаните му параболи, В: Математика плюс, 2, 2013, стр. 55-58, ISSN: 0861-8321.
- 91. Гроздев, С.,** В. Ненков, Три свойства на триъгълника, определен от височините му, В: Математика и информатика, т. 56, 2, 2013, стр. 176-183, ISSN: 1310-2230.
- 92. Гроздев, С.,** В. Ненков, Х. Хаймов, Осем линии през една забележителна точка за четириъгълник, В: Математика плюс, 4, 2013, стр. 63-65, ISSN: 0861-8321.
- 93. Гроздев, С.,** В. Тодоров, П. Пиперков, Студентските олимпиади по математика – състояние и перспективи, В: Математика и математическо образование, Сборник доклади на 42 пролетна конференция на СМБ, Боровец, 2 – 6 април 2013, София, стр. 153-155, ISSN: 1313-3330.
- 94. Гроздев, С.,** Д. Деков, Графично и числено решаване на уравнения и неравенства с компютър, В: Математика и информатика, т. 56, 6, 2013, стр. 522-528, ISSN: 1310-2230.
- 95. Гроздев, С.,** Д. Деков, Екстремални задачи в средното училище с помощта на компютърни таблици, В: Математика и информатика, т. 56, 4, 2013, стр. 351-367, ISSN: 1310-2230.

- 96.** Гродев, С., Д. Деков, Математика с компютър, В: Математика и информатика, т. 56, 2, 2013, стр. 123-132, ISSN: 1310-2230.
- 97.** Гродев, С., Д. Деков, Някои приложения на компютърната програма „Откривател”, В: Математика и информатика, т. 56, 5, 2013, стр. 445-455, ISSN: 1310-2230.
- 98.** Гродев, С., Д. Деков, По пътя към първата компютърно-генерирана енциклопедия, В: Математика и информатика, т. 56, 1, 2013, стр. 49-59, ISSN: 1310-2230.
- 99.** Гродев, С., Д. Стефанова, За обучението на роми (5.-7. клас), В: Математика и информатика, т. 56, 4, 2013, стр. 325-337, ISSN: 1310-2230.
- 100.** Гродев, С., Да потърсим това, което не се променя, В: Математика плюс, 3, 2013, стр. 17-20, ISSN: 0861-8321.
- 101.** Гродев, С., Е. Петрова, Върху преподаването на математика на ученици със зрителни увреждания, Математика и информатика, т. 56, 4, 2013, стр. 314-324, ISSN: 1310-2230.
- 102.** Гродев, С., Едно математическо предизвикателство на XXI век, Природа, 2, 2013, стр. 28-33, ISSN: 0032-8731
- 103.** Гродев, С., И. Марашева, Е. Делинов, Използване на облачни технологии при верификация на проекти за придобиване на практически занятия, В: Математика и математическо образование, Сборник доклади на 42 пролетна конференция на СМБ, Боровец, 2 – 6 април 2013, София, стр. 366-372, ISSN: 1313-3330.
- 104.** Гродев, С., И. Марашева, Е. Делинов, Облачни технологии и възможности за приложение в образованието, В: Математика и информатика, т. 56, 3, 2013, стр. 239-257, ISSN: 1310-2230.
- 105.** Гродев, С., Международна олимпиада по математика, В: Математика плюс, 3, 2013, стр. 39-43, ISSN: 0861-8321.
- 106.** Гродев, С., Младежка балканиада, В: Математика плюс, 3, 2013, стр. 33-38, ISSN: 0861-8321.
- 107.** Гродев, С., Н. Павлова, Д. Марчев, Исследовательский подход в обучении по проекту PATHWAY, В: Информационные ресурсы в образовании, Материалы Международной научно-практической конференции, г. Нижневартовск, Россия, 17-19 апреля 2013 года, Нижневартовск: Издательство НВГУ, 2013, стр. 27-31, ISBN: 978-5-89988-996-7.
- 108.** Гродев, С., П. Кендеров, Изучаване на математика с нови средства за коммуникация, В: Математика и математическо образование, Сборник доклади на 42 пролетна конференция на СМБ, Боровец, 2 – 6 април 2013, София, стр. 167-171, ISSN: 1313-3330.
- 109.** Гродев, С., П. Рангелова, Ю. Кръстева, Идеи за осъществяване на пропедевтиката по комбинаторика от 1.-7. Клас, В: Сборник с трудове на Юбилейна научна конференция с международно участие на тема „Традиции, посоки,

предизвикателства”, Пловдивски университет „Паисий Хилендарски”, филиал Смолян, 2013, стр. 145–150, ISBN: 978-954-8767-43-9.

110. Грозев, С., Т. Сергеева, Динамическое моделирование как методологическая основа школьного курса геометрии в контексте теории пространственно-образного мышления (пленарный доклад), В: Сб. Научных трудов международной конф.

Интеграционные процессы в естественнонаучном и математическом образовании, Москва, Россия, 4-6 февраля 2013, РУДН, Москва, 2013, ISBN: 978 -5-209-04774-2.

111. Грозев, С., Ц. Байчева, Кандидат-студентски изпити по математика 2013 г., София, 2013, 32стр., ISSN: 0861-8321.

112. Держанский, И., Мечка и Медведь, болгарский и русский стереотипы, Ю.Д. Апресян, И.В. Червенкова, И.В. Космарская, А. Тошева, Н. Делева (сост.), Лексикография. Язык. Речь: Сборник статей памяти Анны Липовской, София: Университетское издательство им. Св. Клиmenta Охридского, 2013, стр. 314-330, ISBN: 978-954-07-3495-8.

113. Держански, И., А. Велинов, Лингвистична мозайка: допълнено издание. София: Просвета, 2012 (изд. 2013), 72 стр., ISBN: 978-954-01-2754-5.

114. Держански, И., Думите за време в българския и украинския език (върху материал от паралелни текстове), А. Бурова, Д. Иванова, Е. Христова, С. Димитрова, Ц. Аврамова (съст.), Време и история в славянските езици, литератури и култури: Сборник с доклади от Единадесетите национални славистични четения, 19–21 април 2012. Том първи: Езикознание, София: Университетско издателство „Св. Климент Охридски”, стр. 229–237, ISBN: 978-954-07-3457-6.

115. Димков, Г., Д. Димкова, От комплексни числа към геометрични трансформации в равнината. В: Математика и математическо образование. Сборник доклади на Четиридесет и втората пролетна конференция на Съюза на математиците в България, Боровец, 2-6 април, 2013, стр. 383-387, ISSN: 1313-3330.

116. Дренски, В., Диференцирания в полиномни алгебри, В: Математика и математическо образование, 2013, Сборник с доклади на 42 пролетна конференция на СМБ, Боровец, 2013, стр. 80-91, ISSN: 1313-3330.

117. Кендеров, П., Е. Сендова, Т. Чехларова, Европейският проект MASCIL – математика и природни науки за цял живот!, В: Сборник с доклади на 42 Пролетна математическа конференция на СМБ, София, 2013, стр.183-186, ISSN: 1313-3330.

118. Лазаров, Б., Б. Савова, И. Кортезов, Съпътстващо обучение на турнира "Черноризец Храбър". В: Математика и математическо образование. Доклади на Четиридесет и втората пролетна конференция на СМБ. Боровец, 2-6 април, 2013, стр. 406-411, ISSN: 1313-3330.

119. Лазаров, Б., Д. Северинова, Внедряване на интегриран подход – технологични аспекти. В: Образование и технологии, Том 4, 2013, стр.14-16, ISSN: 1314–1791.

120. Лазаров, Б., И. Шаркова, Две геометрични илюстрации на инфинитезималния метод. В: Образование и технологии. Том 4, 2013, стр. 83-85, ISSN: 1314–1791.

- 121.** **Лазаров, Б.**, Индивидуальный подход в поддержке одаренного индивидуума, Дарын, №3, 2013, стр. 43-45, ISBN: 5-8380-1739-2.
- 122.** Лазарова, Г., **И. Койчев**, Паралелен ем-алгоритъм за смесено машинно самообучение (MT-SSEM). В сборник доклади на шестата национална конференция "Образоването в информационното общество", Пловдив, България, стр. 149-157, ISSN: 1314-0752.
- 123.** **Лучев, Д.**, Централно и източно-европейската онлайн библиотека (CEEOL) – уникатен източник на периодични издания в областта на хуманитарните и социалните науки от и за Централна и Източна Европа. В: Библиотеки. Четене. Комуникации, т. XI, В. Търново, 2013. ISSN: 1313-8138
- 124.** **Лучев, Д.**, Ж. Маркус, Г. Капоси, Т. Скалицки, М. Вереш, Средства, информационно съдържание и услуги за включване на забележителности от регион Велико Търново в глобална GPS базирана информационна система GUIDE@HAND. В: Павлов, Р, Панева-Маринова (ред.), Иновации и култура – регионални решения и перспективи, 2013, Велико Търново, България, стр. 65-74, ISBN: 987-954-8986-36-6.
- 125.** **Павлов, Р., Д. Панева-Маринова**, Н. Йоркова, Пътна карта за цифровизация и цифрово представяне на културно-историческото наследство на регион Велико Търново, В: Павлов, Р., Панева-Маринова, Д. (ред.), Иновации и култура – регионални решения и перспективи, 2013, Велико Търново, България, стр. 50-64, ISBN: 987-954-8986-36-6.
- 126.** **Панева-Маринова, Д., Р. Павлов**, Технологични аспекти в изграждането на мултимедийна цифрова библиотека за културно наследство, В: Павлов, Р, Панева-Маринова (ред.), Иновации и култура – регионални решения и перспективи, 2013, Велико Търново, България, стр. 89-98, ISBN: 987-954-8986-36-6.
- 127.** **Матеев, П., М. Славчова-Божкова**, За учебното съдържание по вероятности и статистика в прогимназиалния и гимназиален етап, В: Математика и математическо образование. Сборник с доклади на 42-та пролетна конференция на СМБ, 2013, стр. 418-424, ISSN: 1313-3330.
- 128.** **Матеев, П., М. Славчова-Божкова**, За учебното съдържание по вероятности и статистика в прогимназиален и гимназиален етап, В: Трудове на 42-та пролетна конференция на СМБ, 2-6 април 2013, стр. 418-423, ISSN: 1313-3330.
- 129.** **Матеев, П.**, Първият български учебник по теория на вероятностите. В: Математика и информатика, година LVI, кн. 4, 2013, стр. 384–391, ISSN: 1310-2230.
- 130.** **Минчев, З.** Сигурност в дигиталното общество, В: Технологични перспективи и предизвикателства. Наука, образование, сигурност. Сборник доклади от юбилейна международна научна конференция "Десет години образование по сигурност в НБУ: състояние и перспективи пред обучението в условия на динамична и труднопредвидима среда". София, Издателство „Планета-3“, стр. 438-444, 2013, ISBN: 978-954-535-796-1.
- 131.** **Николов, Н., Д. Данова, Л. Личев, Е. Колев**, Върху една задача от ЕМТ, В: Математика, бр. 2, 2013, стр.39-42, ISSN: 0204-6881.

- 132.** **Николов, Н.**, Неравенства от БОМ и МлБОМ, Олимпийски теми 2012. София, Унимат СМБ, 2013, стр. 25-32. ISSN: 0204-6881.
- 133.** **Николов, Н.**, Об однм функциональном уравнении (с Б. Станков), В: Мат. просвещение, сер. 3, вып. 17, 2013, стр. 192-195, ISSN: 978-5-4439-0080-3.
- 134.** **Николов, Н., П. Бойваленков**, Международна олипиада по математика, В: Математика, бр. 5, 2013, стр. 3-9, ISSN: 0204-6881.
- 135.** **Рангочев, К.**, Р. Малчев, Проект: фолклор и социално-информационни процеси в село Белчин и западната част на Самоковската котловина (2007 – 2011), В: Сборник „Чудото „Цари мали град”, София, 2013, стр. 199 – 213, ISBN: 978-954-9369-24-3.
- 136.** **Рангочев, К.**, Рилският манастир и град Самоков – модели на комуникация, В: Годишник на Асоциация “Онгъл”, т. XI, “Език и етнос”, год. 8, 2013, София, ИИК “РОД”, стр. 315 – 332, ISSN: 1311 – 493X.
- 137.** **Рангочев, К.**, Текст – знак – символ I. Сурова в град Самоков, В: Сборник с доклади на XIV конференция на българските етнолози и фолклористи „Светът на детето”, изд. 2013, Враца, 2012, стр. 114-117. (без ISSN)
- 138.** Сендов, Бл., **С. Гроздев, А. Русаков**, Забележителен математик и педагог, В: Списание на БАН, 1, 2013, стр. 64–65, ISSN: 0007-3989.
- 139.** Сендов, Бл., **С. Гроздев, А. Русаков**, Лев Дмитриевич Кудрявцев – учен-математик с изключителен талант, В: Списание на БАН, 2, 2013, стр. 48-53, ISSN: 0007-3989.
- 140.** **Стоименова, Е.**, Вериги на Марков и приложението им в Google. В: Математика и информатика, Том 56 (5), стр. 426-443, ISSN: 1310-2230.
- 141.** **Стоименова, В.**, Обучението по Вероятности и статистика за педагогическите специалности във Факултета по математика и информатика на Софийски университет, В: Трудове на 42-та пролетна конференция на СМБ, 2013, стр. 437-445, ISSN: 1313-3330.
- 142.** **Табов, Й.**, Г. Пърличев, Азбюк и печатът на „vasilevsa Александър”, В: Македонски преглед, 2, 2013, стр. 103-110, ISSN: 0861-2277.
- 143.** **Табов, Й.**, За названието Джасулийя от картата на ал-Идриси, В: ВЕНЕЦ: Белоградчишко списание за история, култура и народознание. Том 4, 2013, стр. 200-210, ISSN: 1314-0426, <http://www.venets.org/getfile.php?id=151>
- 144.** **Табов, Й.**, Реката Бугарка. Минало, 2013, 3, стр. 4-19, ISSN: 13103451.
- 145.** Томов, Н., И. Николова, **Й. Табов**, Сериозно за „сериозните игри“ или къде Науката среща Изкуството. В: Иновации при интергриране на формалното и неформалното образование за развитие на талантите и способностите. Първа национална конференция с международно участие. Сборник с доклади. Сдружение „Центрър за творческо обучение”, София, 2013, стр. 189-194, ISBN: 978-619-90168-2-4.

- 146.** Христов, М., Р. Малчев, **К. Рангочев**, Римският път при родопското село Югово, В: Годишник на Асоциация “Онгъл”, т. XII, “Етнология на общуването”, год. 8, 2013, София, ИИК “РОД”, стр. 11-22, ISSN: 1311 – 493Х.
- 147.** Цонков, Т., **И. Койчев**. Подобряване на списъка от положителни и отрицателни термини при извличане на мнения от текст. Паралелен ем-алгоритъм за смесено машинно самообучение (MT-SSEM). В: Сборник доклади на шестата национална конференция "Образованието в информационното общество", Пловдив, България, стр. 268-273, ISSN: 1314-0752.
- 148.** **Чехларова, Т., Е. Сендова**, Математическият пърформанс – социална игра или образователна технология, В: Сборник с доклади на 42 Пролетна математическа конференция на СМБ, София, 2013, стр. 159-166, ISSN: 1313-3330.
- 149.** **Чехларова, Т.**, Задачи в стил Мондриан, В: Изследователски подход в образованието по математика. Регалия 6, София, 2013, стр. 121-126, ISBN: 978-954-745-224-4.
- 150.** **Чехларова, Т.**, Задачи с дроби в стил Ешер, В: Изследователски подход в образованието по математика. Регалия 6, С., 2013, стр. 127-132, ISBN: 978-954-745-224-4.
- 151.** **Чехларова, Т.**, Н. Чехларова, Динамични композиции в стил Анди Уорхол. В: Педагогически форум. Тракийски университет, ДИПКУ, Стара Загора, бр. 2, 2013, стр. 56-62, ISSN: 1314-7986.
- 152.** **Чехларова, Т.**, Педагогически средства за математическото образование, В: Педагогически форум. Тракийски университет, ДИПКУ, Стара Загора, бр.1, 2013. стр. 104-112, ISSN: 1314-7986.

II 1.3.2. ПРИЕТИ ЗА ПЕЧАТ ПРЕЗ 2013 г.

1. **Dimovski, I., M. Spiridonova**, Operational Calculus Approach to Explicit Solving of Initial and Boundary Value Problems, In: J. Physics of Elementary Particles and Atomic Nuclei, Letters, ISSN (print): 1814-5957, ISSN (online): 1814-5973 (приета за публикуване).
2. Dobrinkova, N., L. Hollingsworth, F. A. Heinsch, G. Dillon, **G. Dobrinkov**, Bulgarian fuel models developed for implementation in FARSITE simulations for test cases in Zlatograd area. In: Proceedings of 4th Fire Behaviour and Fuels Conference International Conference of IAWF in St. Petersburg, Russia, July 1 - 4, 2013 (приета за публикуване).
3. **Grigorov, A.**, Comparison of Two Approaches of Informational Modeling in General Purpose Software Systems and Languages, Second International Conference Informational Modeling – IM 2013 Winter Session, Sofia, 2013, (приета за публикуване).

4. **Grigorov, A., E. Detcheva**, A. Angelov, Web Based E-publishing System for online scientific publications, В: Съвместен научен семинар „Моделиране и управление на информационните процеси”, 19 ноември 2013 г. (под печат).
5. **Poryazov, S., E. Saranova**, The Main Perplexities of the ITU-T Offered Traffic Concept, В: Национална конференция с международно участие ТЕЛЕКОМ 2013, София, 17 – 18 окт. 2013 г., ISSN: 1314-2690 (под печат).
6. **Saranova, E.**, K. Kostova, **S. Poryazov**, Challenges to Mathematical Education for Students in Telecommunications, В: Национална конференция с международно участие ТЕЛЕКОМ 2013, София, 17 – 18 окт. 2013 г., ISSN: 1314-2690 (in Bulgarian) (под печат).
7. **Saranova, E., S. Poryazov**, Influence of the Non-existing Telecommunication Services on the Network Efficiency, In: ITHEA "Informational Modeling", Varna, 3 – 8 July 2013.
8. **Stanchev, P.**, Enhanced Publication. In: Proceedings of the 1st International Conference BiblioWorld: Technology, Resources, Practices, Sofia, 26-27 September 2013
9. Tuparov, G., D. Tuparova, **V. Jordanov**. Teaching sorting and searching algorithms through simulation-based learning objects in an introductory programming course. Procedia – Social and Behavioral Sciences, ISSN: 1877-0428, Elsevier, 2013
10. Tuparova, D., M. Kaseva, **G. Tuparov**. Development of key competences through ICT in primary school. In: Procedia – Social and Behavioral Sciences, ISSN 1877-0428, Elsevier, 2013
11. **Valev V.**, From features to predicates or from symptoms to syndromes in supervised pattern recognition. Journal Pattern Recognition Letters, 2013.
12. **Valev, V.**, A. Asaithambi, V.Zeljkovic, A.Krzyzak. Feature Selection and Combining Classifiers Using Non-Reducible Descriptors. 22nd International Conference on Pattern Recognition, ICPR 2014, Track Pattern Recognition and Machine Learning, Stockholm, Sweden, 24-28 August 2014.
13. **Valev, V., N. Yanev**, Classification using graph partitioning, In: Journal Pattern Analysis and Applications, 2013.
14. Zeljković, V., M. Bojic, C. Tameze, **V. Valev**, Exudates and optic disc detection in retina images of diabetic patients, In: Journal Concurrency and Computation: Practice and Experience, 2013 (под печат).
15. **Богданова, Г., Т. Тодоров**, Н. Ноев, Методи за цифровизация и семантично анотиране на исторически артефакти, В: Сборник на национална конференция "Майски четения - Дни на науката 2013", посветена на 50-годишнината на Великотърновския университет “Св. св. Кирил и Методий”, 23 май 2013, 2013 (под печат).
16. Върбанов, Зл., **Т. Тодоров**, On DNA codes and their applications, Юбилейна международна научна конференция "50 години ВТУ "Св. св. Кирил и Методий", 10 май 2013 г. (под печат).

17. **Держански, И.**, Единадесета Международна олимпиада по лингвистика, В: Математика+, 2013, ISSN: 0861-8321 (под печат).
18. **Держански, И.**, Единадесета Международна олимпиада по лингвистика, В: Математика и информатика, 2013, ISSN: 1310-2230 (под печат).
19. **Овчарова, Р.**, М. Карадечева, **Г. Врагов**, Каталог от цифровизирани музейни обекти, В: Сборник доклади на Годишна научна конференция на СУБ-Пловдив, Пловдив, 2013 (под печат).
20. **Саранова, Е.**, К. Костова, **С. Порязов**, Н. Саранов, Динамика на успешността за студенти по телекомуникации, Т. Атанасова (редактор) Моделиране и управление на информационните процеси, 2013, КТП, София, ISSN: 1314-2771(под печат).

П 1.4. СПИСЪК НА МНОГОГРАФИИТЕ

П 1.4.1 ИЗЛЕЗЛИ ОТ ПЕЧАТ ПРЕЗ 2013 г.

1. **Pericliev, V.**, Componential Analysis of Kinship Terminology: A Computational Perspective, Palgrave MacMillan: Basingstoke & New York, 2013, 178 pp., ISBN: 9781137031174.
2. **Popivanov, P., A. Slavova**, Nonlinear Waves. An Introduction. Kyoritsu Schuppan Co, Ltd, Tokyo, 2013, 206 pp., ISBN:978-4-320-11034-2 (превод на японски език)
3. **Порязов, Ст., Е. Саранова**, Модели на телекомуникационни мрежи с комутация на виртуални канали и тяхното приложение. Академично издателство „Марин Дринов“ 2012, 238 стр., ISBN 978-954-322-540-8 (издадена на 28.02.2013 г.)

П 1.4.2. ПРИЕТИ ЗА ПЕЧАТ ПРЕЗ 2013 г.

1. Dyn, N., **E. Farkhi**, A. Mokhov, Approximation of Set-Valued Functions: Adaptation of Classical Approximation Operators, Imperial College Press (World Scientific), 2014, 200 pp., ISBN: 981-436-663-3.
2. **Радев, С.**, Графи, понятия, класове, 2014, 250 стр., изд. ФорКом, 2014.

П 1.5. СПИСЪК НА УЧЕБНИЦИ, УЧЕБНИ ПОМАГАЛА, ПУБЛИЦИСТИКА, НАУЧНО-ПОПУЛЯРНИ ПРОИЗВЕДЕНИЯ И ДР.

П 1.5.1. ИЗЛЕЗЛИ ОТ ПЕЧАТ ПРЕЗ 2013 г.

1. Andersen, J., J. Benacka, P. Boytchev, S. Ceretková, D. De Silva, N. Dimitrova, V. Georgiev, I. Lagger, R. Kaltinska, O. Mushkarov, G. Pavlovicová, L. Rumanová, E. Sendova, J. Šunderlík, S. Švecová, V. Švecová, A. Ulovec, M. Varga, H. Westphael: MATH₂EARTH: Bringing Mathematics to Earth. 2nd edition, 141876-LLP-1-2008-1-AT-COMENIUS-CMP, 527269-LLP-1-2012-1-AT-COMENIUS-CAM, Demetra LTD, Sofia, Bulgaria, 2013, 299 pages, ISBN: 978-954-952-6-83-7.
2. Boytchev, P., H. Hohenwarter, E. Sendova, N. Dimitrova, E. Kostadinov, A. Ulovec, V. Georgiev, A. Mogensen, O. Mushkarov, H. Westphael, Meeting in Mathematics. 2nd edition. 226159-CP-1-2005-1-AT-COMENIUS-C21, 527269-LLP-1-2012-1-AT-COMENIUS-CAM, Demetra LTD, Sofia, Bulgaria, 2013, 266 pages, ISBN: 978-954-9526-49-3.
3. Bruzzo, U., P. Dalakov, Donagi-Markman cubic for the generalised Hitchin system, arXiv/AG: 1308.6788, 2013.
4. Guelev, D., Shuling Wang and Naijun Zhan. Hoare-style Reasoning about Hybrid CSP in the Duration Calculus. Technical report ISCAS-SKLCS-13-01, ISCAS, 2013.
5. Radev, S., Table Mathematics, Telecotron International, 2013, 96 pp., ISBN: 978-83-932045-6-4.
6. Revalski, J.P., Petar Kenderov is 70, In: Set-valued and Variational Analysis, 21, 2013, pp. 587-590. ISSN: 1877-0533.
7. Боев, С., П. Бойваленков, Р. Рафаилов, 30 Балканска олимпиада по математика, В: Математика 52, бр. 5, 2013, стр. 10-14, ISSN: 0204-6881.
8. Бойваленков, П., Е. Колев, Зимни математически състезания, В: Математика 52, бр. 2, 2013, стр. 28-38, ISSN: 0204-6881.
9. Бойваленков, П., Е. Колев, Шести есенен математически турнир, В: Математика 52, бр. 1, 2013, стр. 21-29, ISSN: 0204-6881.
10. Бойваленков, П., Н. Николов, 54 Международна олимпиада по математика, В: Математика 52, бр. 5, 2013, стр. 4-9, ISSN: 0204-6881.
11. Бойваленков, П., Пролетни математически състезания, В: Математика 52, бр. 4, 2013, стр. 16-34, ISSN: 0204-6881.
12. Буюклиева, С., Д. Биков, Криптография (спец. Информатика, IV курс, ВТУ), учебни материали, достъпни на: <https://sites.google.com/site/vtucrypto/>
13. Буюклиева, С., Криптографски методи (спец. Компютърни науки, ВТУ), Лекции (презентации), достъпни на: <https://sites.google.com/site/bouyuklievalectures/>

14. **Грозев, С.**, Задачите на Ру. Втора книжка 5.-6. клас. Архимед, София, 2013, 120 стр., ISBN: 978-954-779-173-2.
15. **Грозев, С.**, И. Шаркова, Задачите на Ру. Първа книжка 1.-4. клас. Архимед, София, 2013, 152 стр., ISBN: 978-954-779-172-5.
16. **Келеведжиев, Е.**, З. Дженкова. В: Алгоритмична музика в часовете по информатика, Математика и математическо образование, 2013, стр. 399-405, ISSN 1313-3330.
17. **Кортезов, И.**, Подготовка за балканиада, В: Математика+, бр. 4, 2013, стр. 24-27, ISSN: 0861-8321.
18. **Кортезов, И.**, Пълен безпорядък и принцип за включване и изключване, В: Математика+, бр. 4, 2013, стр. 18-20, ISSN: 0861-8321.
19. **Кортезов, И.**, Седемнадесета младежка балканска олимпиада по математика, В: Математика, бр. 5, 2013, стр. 15-21, ISSN: 0204-6881.
20. **Лазаров, Б.**, Б. Савова, **И. Кортезов**, Съпътстващо обучение на турнира "Черноризец Храбър", В: Математика и математическо образование. Доклади на Четиридесет и втората пролетна конференция на СМБ, 2013, стр. 406-411, ISSN: 1313-3330.
21. **Манев, Н.**, Решаване с Matlab на проблеми по съпромат и механика, достъпни на: <http://sharoacademy.math.bas.bg/AGMech.html>
22. **Попиванов, П.**, Няколко елементарни неравенства, сп."Математика плюс", 21:1, 2013, стр. 51-53, ISSN: 0861-8321.
23. **Попиванов, П.**, Пационални триъгълници с поне една ъглополовяща рационално число, сп."Математика", год.LII, брой 3, 2013,24, ISSN:0204-6881.
24. **Попиванов, П.**, Сто години от рожденията на акад.Л.Илиев (1913-2013), сп. "Наука", година XXIII, кн.2 (2013), стр. 56-59, ISSN:0861-3362
25. **Попиванов, П.**, Триъгълници с целочислени страни и една медиана, сп."Математика", год. LII, брой 5 (2013), стр. 46-47, ISSN:0204-6881.
26. **Ревалски, Ю.**, Академик Петър Кендеров на 70 години, В: Математика и информатика, година LVI, кн. 3, 2013, стр. 208-210, ISSN: 1310-2230.
27. **Ревалски, Ю.**, За академик Петър Кендеров по повод 70-ата му годишнина, В: Математика и математическо образование, Доклади на Четиридесет и втората пролетна конференция на СМБ, 2013, стр. 61-68, ISSN: 1313-3330.
28. **Саранова, Е.**, В. Христов, Тестове за кандидат-студентски изпит във ВУ „КТП”, Издателски център КТП - София, 2013 год., 82 стр., (без ISBN/ISSN)
29. **Сендова, Е.** (съст.), **П. Кендеров, Ст. Радев** (ред.), **Кр. Иванова** (техн. ред.) Академик Любомир Илиев – човекът (... и математик на този свят), изд. Деметра, 2013, 100 стр., ISBN: 978-954-8986-35-9.

30. **Чехларова, Т.**, Математически изследвания с динамични конструкции в началното училище, Макрос, 2013, 72 стр., ISBN: 978-954-561-309-8.
31. **Янев, Н. М.**, Международна година на статистиката 2013, В: Трудове на 42^{-та} пролетна конференция на СМБ, 2013, стр. 71-79, ISBN: 1313-3330.
32. **Янев, Н.**, Международна година на статистиката - 2013, В: Статистика (НСИ), 3-4/2012, София, 2013, стр. 7-17, ISSN: 1310-7410.

П 1.5.2. ПРИЕТИ ЗА ПЕЧАТ ПРЕЗ 2013 г.

1. **Келеведжиев, Е.**, З. Дженкова, Ритми в часовете по информатика, В: Математика и математическо образование, 2014, ISSN: 1313-3330.
2. **Радев, С.**, Контролиран сън, 2014, 220 стр., изд. ФорКом.