

Publications of VU Institute of Mathematics and Informatics (VU IMI) 2015

The classified list of VU IMI 2015 publications (in Lithuanian): http://www.mii.lt/files/mii_2015_publicacijos.pdf

(The whole list of VU IMI publications 2002-2017 registered in eLABa: <http://www.elaba.mb.vu.lt/mii/visos/>)

No.	Publication
1	Gricius, Gediminas; Drungilas, Darius; Andziulis, Arūnas; Dzemydienė, Dalė; Voznak, Miroslav; Kurmis, Mindaugas; Jakovlev, Sergej. Advanced approach of multiagent based buoy communication // The scientific world journal. New York: Hindawi Publishing Corporation. ISSN: 2356-6140, eISSN: 1537-744X. 2015, Vol. 2015, Article ID 569841, p. 1-6. Prieiga per internetą: <http://downloads.hindawi.com/journals/tswj/aa/569841.pdf>.
2	Žilinskas, Julius; Goldengorin, Boris; Pardalos, Panos M.. Pareto-optimal front of cell formation problem in group technology // Journal of global optimization. New York: Springer New York LLC. ISSN: 0925-5001. 2015, vol. 61, no 1, p. 91-108. Prieiga per internetą: <http://link.springer.com/content/pdf/10.1007%2Fs10898-014-0154-6.pdf>.
3	Žilinskas, Antanas; Žilinskas, Julius. Adaptation of a one-step worst-case optimal univariate algorithm of bi-objective Lipschitz optimization to multidimensional problems // Communications in nonlinear science and numerical simulation. Amsterdam: Elsevier BV. ISSN: 1007-5704. 2015, vol. 21, p. 89-98. Prieiga per internetą: <http://www.sciencedirect.com/science/article/pii/S1007570414004092>.
4	Koul, Hira L.; Surgailis, Donatas; Mimoto, Nao. Minimum distance lack-of-fit tests under long memory errors // Metrika. Heidelberg: Springer. ISSN: 0026-1335. 2015, Vol. 78, Iss. 2, p. 119-143. Prieiga per internetą: <http://link.springer.com/article/10.1007/s00184-014-0492-x/fulltext.html>.
5	Funar, Louis; Giannoudovardi, Martha; Otera, Daniele Ettore. On groups with linear sci growth // Fundamenta mathematicae. Warszawa: Polska Akademia Nauk. ISSN: 0016-2736, eISSN: 1730-6329. 2015, Vol . 228, No. 1, p. 47-62.
6	Jukna, Stasys. Lower bounds for tropical circuits and dynamic programs // Theory of computing systems. New York: Springer New York LLC. ISSN: 1432-4350. 2015, Vol. 57, no 1, p. 160-194. Prieiga per internetą: <http://link.springer.com/article/10.1007%2Fs00224-014-9574-4>.
7	Dučinskas, Kęstutis; Dreižienė, Lina; Zikarienė, Eglė. Multiclass classification of the scalar Gaussian random field observation with known spatial correlation function // Statistics & probability letters. Amsterdam: Elsevier BV. ISSN: 0167-7152. 2015, Vol. 98, p. 107-114. Prieiga per internetą: <http://www.sciencedirect.com/science/article/pii/S0167715214004118#>.
8	Garliauskas, Algirdas. Modelling of double reset spiking neuron and Fitzhugh–Nagumo equations with coupling kernel functions // Neurocomputing. Amsterdam: Elsevier BV. ISSN: 0925-2312. 2015, Vol. 149, part B, p. 629-640. Prieiga per internetą: <http://www.sciencedirect.com/science/article/pii/S092523121401025X#>.
9	Sakalauskas, Leonidas; Kalsytė, Živilė; Vaičiulytė, Ingrida; Kupčiūnas, Irmantas. The relationship between the transparency in provision of financial data and the change in investors' expectations // Inžinerinė ekonomika = Engineering economics. Kaunas: KTU. ISSN: 1392-2785, eISSN: 2029-5839. 2015, t. 26, Nr. 1, p. 33-39. Prieiga per internetą: <http://www.inzeko.ktu.lt/index.php/EE/article/view/4061>.
10	Norvidas, Saulius. Distributional boundary values of analytic functions and positive definite distributions // Nonlinear analysis : modelling and control. Vilnius: Institute of Mathematics and Informatics. ISSN: 1392-5113. 2015, vol. 20, no 2, p. 210-225. Prieiga per internetą: <http://www.mii.vu.lt/na/issues/NA_2002/NA2024.pdf>.
11	Norvidas, Saulius. On positive definite distributions with compact support // Banach journal of mathematical analysis. Mashhad: Tusi Mathematical Research Group. eISSN: 1735-8787. 2015, vol. 9, no 3, p. 14-23. Prieiga per internetą: <http://projecteuclid.org/download/pdf_1/euclid.bjma/1419001700>.

12	Sunklodas, Jonas Kazys. On the normal approximation of a negative binomial random sum // Lithuanian mathematical journal. New York: Springer. ISSN: 0363-1672, eISSN: 1573-8825. 2015, Vol. 55, no. 1, p. 150-158. Prieiga per internetą: <https://link.springer.com/article/10.1007%2Fs10986-015-9271-2>.
13	Bernatavičienė, Jolita; Dzemyda, Gintautas; Bazilevičius, Gediminas; Medvedev, Viktor; Marcinkevičius, Virginijus; Treigys, Povilas. Method for visual detection of similarities in medical streaming data // International journal of computers communications & control. Oradea: Universitatea Agora. ISSN: 1841-9836. 2015, Vol. 10, no. 1, p. 8-21. Prieiga per internetą: <http://univagora.ro/jour/index.php/ijccc/article/view/1310/pdf_180>.
14	Puplinskaitė, Donata; Surgailis, Donatas. Scaling transition for long-range dependent Gaussian random fields // Stochastic processes and their applications. Amsterdam: Elsevier BV * North-Holland. ISSN: 0304-4149. 2015, Vol. 125, iss. 6, p. 2256-2271. Prieiga per internetą: <http://ac.els-cdn.com/S0304414915000022/1-s2.0-S0304414915000022-main.pdf?tid=88935be0-d933-11e4-8539-00000aab0f27&acdnat=1427977788_33676d6686da4b819d8410827f2b0529>.
15	Dindienė, Lina; Leipus, Remigijus. A note on the tail behavior of randomly weighted and stopped dependent sums // Nonlinear analysis : modelling and control. Vilnius: Institute of Mathematics and Informatics. ISSN: 1392-5113. 2015, vol. 20, no 2, p. 263-273. Prieiga per internetą: <http://www.mii.vu.lt/na/issues/NA_2002/NA2028.pdf>.
16	Filatovas, Ernestas; Kurasova, Olga; Sindhya, Karthik. Synchronous R-NSGA-II: an extended preference-based evolutionary algorithm for multi-objective optimization // Informatica. Vilnius: Vilniaus universiteto Matematikos ir informatikos institutas, IOS Press. ISSN: 0868-4952. 2015, Vol. 26, no. 1, p. 33-50. Prieiga per internetą: <http://www.mii.lt/informatica/htm/INFO1049.htm>.
17	Rapečka, Aurimas; Dzemyda, Gintautas. A new recommendation model for the user clustering-based recommendation system // Information technology and control / Kauno technologijos universitetas. Kaunas: Technologija. ISSN: 1392-124X, eISSN: 2335-884X. 2015, Vol. 44, no. 1, p. 54-63. Prieiga per internetą: <http://www.erem.ktu.lt/index.php/ITC/article/view/5931>.
18	Mackevičius, Mažvydas; Ivanauskas, Feliksas; Kareiva, Aivaras; Mackevičius, Vigirdas; Stanulis, Andrius. Computer modeling of synthesis of strontium stannates at high temperatures // Journal of mathematical chemistry. Cham: Springer international publishing Switzerland. ISSN: 0259-9791, eISSN: 1572-8897. 2015, Vol. 53, iss. 5, p. 1227-1238. Prieiga per internetą: <http://download-v2.springer.com/static/pdf/389/art%253A10.1007%252Fs10910-015-0483-9.pdf?token2=exp=1430729442~acl=%2Fstatic%2Fpdf%2F389%2Fart%25253A10.1007%25252Fs10910-015-0483-9.pdf*~hmac=f16f8a620f70b18d43fe3bfb7b0c177a16ae174d4db92cbc0e6903a30f5c78a9>.
19	Štikonas, Artūras; Sapagovas, Mifodijus; Štikonienė, Olga. ADI method for two-dimensional pseudo-parabolic equation with integral boundary conditions // Asymptotic problems, elliptic and parabolic issues. Vilnius: Vilniaus universiteto leidykla, 2015. p. 70. Prieiga per internetą: <http://estavel.lt/files/menu/FF4habstracts%20-%20final.pdf>.
20	Štikonas, Artūras; Sapagovas, Mifodijus; Štikonienė, Olga. On the stability of some three-layer difference schemes for two-dimensional pseudo-parabolic equation with integral boundary conditions // Mathematical modelling and analysis: 20th international conference : abstracts, May 26-29, 2015, Sigulda, Latvia. Riga: University of Latvia, 2015. ISBN: 9789984459998. p. 78. Prieiga per internetą: <http://www.lu.lv/fileadmin/user_upload/lu_portal/projekti/mma2015/MMAtezes/Stikonas.pdf>.

21	<p>Novickij, Jurij; Štikonas, Artūras. Spectrum analysis of the weighted finite difference scheme for the wave equation with integral boundary conditions // Mathematical modelling and analysis: 20th international conference : abstracts, May 26-29, 2015, Sigulda, Latvia. Riga: University of Latvia, 2015. ISBN: 9789984459998. p. 61. Prieiga per internetą: <http://www.lu.lv/fileadmin/user_upload/lu_portal/projekti/mma2015/MMAtezes/Novickij.pdf>.</p>
22	<p>Skučaitė, Agnė; Štikonas, Artūras. Investigation of a spectrum for Sturm–Liouville problem with partial integral boundary condition // Mathematical modelling and analysis: 20th international conference : abstracts, May 26-29, 2015, Sigulda, Latvia. Riga: University of Latvia, 2015. ISBN: 9789984459998. p. 75. Prieiga per internetą: <http://www.lu.lv/fileadmin/user_upload/lu_portal/projekti/mma2015/MMAtezes/Skucaite.pdf>.</p>
23	<p>Paukštaitė, Gailė; Štikonas, Artūras. Generalized Green's functions for m-th order discrete nonlocal problems // Mathematical modelling and analysis: 20th international conference : abstracts, May 26-29, 2015, Sigulda, Latvia. Riga: University of Latvia, 2015. ISBN: 9789984459998. p. 67. Prieiga per internetą: <http://www.lu.lv/fileadmin/user_upload/lu_portal/projekti/mma2015/MMAtezes/Paukstaite.pdf>.</p>
24	<p>Belovas, Igoris; Meilūnas, Mečislavas; Suboč, Olga; Starikovičius, Vadimas; Šilko, Galina. Specialieji matematinės analizės skyriai : vadovėlis / Igoris Belovas, Mečislavas Meilūnas, Olga Suboč, Vadimas Starikovičius, Galina Šilko.. Vilnius : Technika, 2015. 300 p. :. Prieiga per internetą: <http://www.ebooks.vgtu.lt/product/specialieji-matematins-analizs-skyriai>. ISBN: 9786094578236.</p>
25	<p>Pupeikis, Rimantas. Revised 2D fast Fourier transform // Electrical, electronic and information sciences (eStream): 2015 open conference : proceedings of the conference, April 21, 2015, Vilnius, Lithuania. New York: IEEE, 2015. ISBN: 9781467374453. p. 1-4. Prieiga per internetą: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7119497>.</p>
26	<p>Dreišienė, Lina; Dučinskas, Kęstutis; Paulionienė, Laura. Correct Classification Rates in Multi-Category Discriminant Analysis of Spatial Gaussian Data // Open Journal of Statistics. ISSN: 2161-718X. 2015, Vol. 5, no. 1, p. 21-26.</p>
27	<p>Pupeikis, Rimantas. Revised fast fourier transform // Радіоелектроніка, інформатика, управління = Радиоэлектроника, информатика, управление = Radio electronics, computer science, control. Запоріжжя: Запорізький національний технічний університет. ISSN: 1607-3274, eISSN: 2313-688X. 2015, no 1, p. 68-72. Prieiga per internetą: <http://csit.narod.ru/ric/riu_2015_1.pdf>.</p>
28	<p>Rapečka, Aurimas; Dzemyda, Gintautas. A new recommendation method for the user clustering-based recommendation system // EMC2015 : Engineering management and competitiveness : 5th International Symposium, June 19-20, 2015, Zrenjanin, Serbia : [Proceedings]. Novi Sad: University of Novi Sad, Technical faculty "Mihajlo Pupin", 2015. ISBN: 9788676722563. p. 328-332.</p>
29	<p>Žulkas, Evaldas; Artemčiukas, Edgaras; Dzemydienė, Dalė; Guseinovienė, Eleonora. Energy consumption prediction methods for embedded systems // Ecological vehicles and renewable energies (EVER) : 10th international conference : on March 31 2015-April 2, 2015, Monaco / IEEE. Monte-Carlo: IEEE, 2015. ISBN: 9781467367844. p. 1-5. Prieiga per internetą: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7112932>.</p>
30	<p>Sabaliauskas, Martynas. A robust SVD algorithm for ARAP method // EMC 2015 : 5th International symposium „Engineering Management and Competitiveness“ : proceedings. Zrenjanin: University of Novi Sad, 2015. ISBN: 9788676722563. p. 333-336.</p>
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33	Yang, Yang; Leipus, Remigijus; Dindienė, Lina. On the max-sum equivalence in presence of negative dependence and heavy tails // Information technology and control / Kauno technologijos universitetas. Kaunas: Technologija. ISSN: 1392-124X, eISSN: 2335-884X. 2015, T. 44, Nr. 2, p. 215-220. Prieiga per internetą: <http://www.eejournal.ktu.lt/index.php/ITC/article/view/7312/6886>.
34	Filatovas, Ernestas; Podkopaev, Dmitry; Kurasova, Olga. A visualization technique for accessing solution pool in interactive methods of multiobjective optimization // International journal of computers communications & control. Oradea: Universitatea Agora. ISSN: 1841-9836. 2015, Vol. 10, no 4, p. 508-519. Prieiga per internetą: <http://univagora.ro/jour/index.php/ijccc/article/view/1672/pdf06042015>.
35	Sabaliauskas, Martynas; Marcinkevičius, Virginijus. An investigation of ABF++, LSCM, and ARAP methods for parametrization of shoetrees // Mokslas – Lietuvos ateitis = Science – future of Lithuania. Vilnius: Technika. ISSN: 2029-2341. 2015, T. 7, Nr 3, p. 296-299. Prieiga per internetą: <http://www.mla.vgtu.lt/index.php/mla/article/view/786>.
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37	Eringis, Deividas; Tamulevičius, Gintautas. Modified filterbank analysis features for speech recognition // Baltic journal of modern computing. Riga: University of Latvia. ISSN: 2255-8942, eISSN: 2255-8950. 2015, Vol. 3, no 1, p. 29-42. Prieiga per internetą: <http://www.bjmc.lu.lv/fileadmin/user_upload/lu_portal/projekti/bjmc/Contents/3_1_3_Eringis.pdf>.
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42	Tichonov, Jevgenij; Kurasova, Olga; Filatovas, Ernestas. Vaizdų klasifikavimas pagal suspaudimo algoritmo poveikį jų kokybei = Classification of images according their quality after compression // Informacijos mokslai. Vilnius: Vilniaus universitetas. ISSN: 1392-0561. 2015, t. 73, p. 127-134.

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45	<p>Kurilov, Jevgenij; Juškevičienė, Anita. Creation of Web 2.0 tools ontology to improve learning // Computers in human behavior. Kidlington: Pergamon. ISSN: 0747-5632. 2015, Vol. 51, Part B, p. 1380-1386. Prieiga per internetą: <http://www.sciencedirect.com/science/article/pii/S0747563214005494>.</p>
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