

Publications of VU Institute of Mathematics and Informatics, 2012

SCIENTIFIC PUBLICATIONS

MONOGRAPHS

1. Jukna, Stasys. Boolean Function Complexity : Advances and Frontiers. Heidelberg : Springer, 2012. 632 p. ISBN 9783642245077.
2. Grigelionis, Bronius. Student's t-distribution and related stochastic processes. Heidelberg : Springer, 2012. XI, 100 p. ISBN 9783642311451. On the Internet: <<http://link.springer.com/book/10.1007/978-3-642-31146-8/page/1>>.
3. Giraitis, Liudas; Koul, Hira L.; Surgailis, Donatas. Large sample inference for long memory processes. London : Imperial College Press, 2012. 577 p. ISBN 9781848162785.

ARTICLES

In journals indexed by Science Citation Index Expanded (Web of Science) of Thomson Reuters

1. Manstavičius, Eugenijus. On total variation approximations for random assemblies // Discrete mathematics and theoretical computer science. Nancy : DMTCS. ISSN 1365-8050. 2012, p. 97-108. On the Internet: <<http://www.dmtcs.org/dmtcs-ojs/index.php/proceedings/article/view/dmAQ0109/3814>>. [Science Citation Index Expanded (Web of Science); Zentralblatt MATH; INSPEC; Academic Search Complete; Scopus]
2. Gordevičius, Juozas; Gamper, Johann; Böhlen, Michael H.. Parsimonious temporal aggregation // The VLDB Journal. Heidelberg : Springer. ISSN 1066-8888. 2012, Vol. 21, no. 3, p. 309-332. On the Internet: <<http://www.springerlink.com/content/v0277n711823g582/fulltext.pdf>>. [CSA; Current Abstracts; TOC Premier; Compendex; Scopus; Zentralblatt MATH; Science Citation Index Expanded (Web of Science)]
3. Dubickas, Artūras; Šarka, Paulius. Sumsets of sparse sets // Periodica mathematica Hungarica. Budapest : Akademiai Kiado Rt. co-published with Springer Science+Business Media B.V. ISSN 0031-5303. 2012, Vol. 64, no. 2, p. 169-179. [IBZ - Internationale Bibliographie der Geistes- und Sozialwissenschaftlichen Zeitschriftenliteratur; Science Citation Index Expanded (Web of Science); Current Abstracts; Scopus; TOC Premier; MatSciNet; INSPEC; Zentralblatt MATH]
4. Kurilov, Jevgenij [Kurilovas, Eugenijus]; Žilinskienė, Inga. Evaluation of quality of personalised learning scenarios: an improved MCEQLS AHP method // International journal of engineering education. Dublin : Tempus Publications. ISSN 0949-149X. 2012, vol. 28, no 6, p. 1309-1315. [Science Citation Index Expanded (Web of Science); INSPEC; Scopus]
5. Kurilov, Jevgenij [Kurilovas, Eugenijus]; Sėrikovienė, Silvija. New TFN based method for evaluating quality and reusability of learning objects // International journal of engineering education. Dublin : Tempus Publications. ISSN 0949-149X. 2012, vol. 28, no 6, p. 1288-1293. [Science Citation Index Expanded (Web of Science); INSPEC; Scopus]
6. Dubickas, Artūras. On the linear independence of the set of Dirichlet exponents // Kodai mathematical journal. Tokyo : Tokyo Kogyo Daigaku. ISSN 0386-5991. 2012, vol. 35, no 3, p. 642-651. [Science Citation Index Expanded (Web of Science); MatSciNet; Zentralblatt MATH; Current Index to Statistics; Scopus]

7. Banys, Povilas; Paulauskas, Vygantas. CLT for linear random fields with martingale increments // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2012, vol. 52, no. 1, p. 13-28. On the Internet: <<http://www.springerlink.com/content/n37306wu0r743065/fulltext.pdf>>. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.]
8. Jachimavičienė, Justina; Sapagovas, Mifodijus. Locally one-dimensional difference scheme for a pseudoparabolic equation with nonlocal conditions // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2012, vol. 52, no. 1, p. 53-61. On the Internet: <<http://www.springerlink.com/content/x881m12556307551/fulltext.pdf>>. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.]
9. Vaičiulis, Marijus. Asymptotic properties of generalized DPR statistic // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2012, vol. 52, no. 1, p. 95-110. On the Internet: <<http://www.springerlink.com/content/gj8233w2704r2160/fulltext.pdf>>. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.]
10. Rudzki, Rimantas; Bakšajev Aleksej [Bakshaev, Aleksej]. Probabilities of high excursions of Gaussian fields // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2012, vol. 52, no. 2, p. 196-213. On the Internet: <<http://www.springerlink.com/content/1151150454627224/fulltext.pdf>>. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.]
11. Yang, Yang; Leipus, Remigijus; Šiauly, Jonas. Asymptotic of random sums of negatively dependent random variables in the presence of dominatedly varying tails // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2012, vol. 52, no. 2, p. 222-232. On the Internet: <<http://www.springerlink.com/content/1715550413802680/fulltext.pdf>>. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.]
12. Lileikytė, Rasa; Telksnys, Adolfas Laimutis. Quality measurement of speech recognition features in context of nearest neighbour classifier // Elektronika ir elektrotechnika / Kauno technologijos universitetas. Kaunas : Technologija. ISSN 1392-1215. 2012, nr. 2, p. 9-12. On the Internet: <http://www.ee.ktu.lt/journal/2012/02/02__ISSN_1392-1215_Quality%20Measurement%20of%20Speech%20Recognition%20Features%20in%20Context%20of%20Nearest%20Neighbour%20Classifie.pdf>. [Science Citation Index Expanded (Web of Science).; Current Abstracts.; INSPEC.; VINITI.]
13. Balkys, Gediminas; Dzemyda, Gintautas. Segmenting the eye fundus images for identification of blood vessels // Mathematical modelling and analysis = Matematinis modeliavimas ir analizė / Vilnius Gediminas Technical University, Institute of Mathematics and Informatics Vilnius : Technika. ISSN 1392-6292. 2012, vol. 17, no. 1, p. 21-30. On the Internet: <<http://www.tandfonline.com/doi/pdf/10.3846/13926292.2012.644046>>. [Science Citation Index Expanded (ISI Web of Science).; INSPEC.; Mathematical Reviews.; Zentralblatt MATH.; VINITI.]
14. Kazlauskas, Kazys; Pupeikis, Rimantas. A forward-backward approach for instantaneous frequency estimation of frequency modulated signals in noisy environment // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2012, vol. 23, no. 1, p. 65-76. On the Internet: <<http://www.mii.lt/informatica/pdf/INFO858.pdf>>. [Science Citation Index Expanded (ISI

- Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.]
15. Sapagovas, Mifodijus; Jakubėlienė, Kristina. Alternating direction method for two-dimensional parabolic equation with nonlocal integral condition // Nonlinear analysis : modelling and control. Vilnius : Institute of Mathematics and Informatics. ISSN 1392-5113. 2012, vol. 17, no. 1, p. 91-98. On the Internet: <<http://www.lana.lt/journal/44/NA17107.pdf>>. [Science Citation Index Expanded (ISI Web of Science); INSPEC.; Zentralblatt MATH.; VINITI]
 16. Paulavičius, Remigijus; Žilinskas, Julius. Influence of Lipschitz bounds on the speed of global optimization // Technological and economic development of economy = Ūkio technologinis ir ekonominis vystymas : Baltic journal on sustainability / Vilniaus Gedimino technikos universitetas. Vilnius : Technika. ISSN 2029-4913. 2012, vol. 18, no. 1, p. 54-66. On the Internet: <<http://www.tandfonline.com/doi/pdf/10.3846/20294913.2012.661170>>. [Science Citation Index Expanded (Web of Science).; ICONDA.; Scopus.; CSA.; Current Abstracts.]
 17. Besson, Jérémy Daniel; Lupeikienė, Audronė; Medvedev, Viktor. Comparing real and intended system usages: a case for web portal // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2012, vol. 23, no. 2, p. 191-201. On the Internet: <<http://www.mii.lt/informatica/pdf/INFO862.pdf>>. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.]
 18. Leipus, Remigijus; Šiaulys, Jonas. Closure of some heavy-tailed distribution classes under random convolution // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2012, vol. 52, no. 3, p. 249-258. On the Internet: <<http://www.springerlink.com/content/656x43688j82hv40/fulltext.pdf>>. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.]
 19. Kazlauskas, Kazys; Pupeikis, Rimantas. On speedy recognition of non-aliased realization after multifold downsampling of an oversampled bandlimited signal // Information technology and control / Kauno technologijos universitetas. Kaunas : Technologija. ISSN 1392-124X. 2012, t. 41, no. 3, p. 248-257. On the Internet: <<http://www.itc.ktu.lt/index.php/ITC/article/view/851/1800>>. [Science Citation Index Expanded (Web of Science).; INSPEC.; VINITI.]
 20. Sunklodas, Jonas Kazys. Some estimates of normal approximation for the distribution of a sum of a random number of independent random variables // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2012, vol. 52, no. 3, p. 326-333. On the Internet: <<http://www.springerlink.com/content/f6t3638w63kml8j3/fulltext.pdf>>. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.]
 21. Bielskis, Antanas Andrius; Guseinovicienė, E.; Dzemydienė, Dalė; Drungilas, Darius; Gričius, Gediminas. Ambient lighting controller based on reinforcement learning components of multi-agents // Elektronika ir elektrotechnika / Kauno technologijos universitetas. Kaunas : Technologija. ISSN 1392-1215. 2012, nr. 5, p. 79-84. On the Internet: <<http://www.ereem.ktu.lt/index.php/elt/article/view/1656/1434>>. [Science Citation Index Expanded (Web of Science).; Current Abstracts.; INSPEC.; VINITI.]
 22. Lileikytė, Rasa; Telksnys, Adolfas Laimutis. Quality Estimation of Speech Recognition Features for Dynamic Time Warping Classifier // Information technology and control / Kauno technologijos universitetas. Kaunas : Technologija. ISSN 1392-124X. 2012, t. 41, no. 3, p. 268-273. On the Internet:

- <<http://www.ere.m.ktu.lt/index.php/ITC/article/view/914/1803>>. [Science Citation Index Expanded (Web of Science).; INSPEC.; VINITI.]
23. Minkevičius, Saulius; Sakalauskas, Leonidas. Modeling of the Phenomena in Multiserver Networks // Information technology and control / Kauno technologijos universitetas. Kaunas : Technologija. ISSN 1392-124X. 2012, t. 41, no. 2, p. 125-135. On the Internet: <<http://www.ere.m.ktu.lt/index.php/ITC/article/view/917/1499>>. [Science Citation Index Expanded (Web of Science).; INSPEC.; VINITI.]
 24. Treigys, Povilas; Marcinkevičius, Virginijus; Kaklauskas, Artūras. Analysis of iris and pupil parameters for stress recognition // Information technology and control / Kauno technologijos universitetas. Kaunas : Technologija. ISSN 1392-124X. 2012, t. 41, no. 1, p. 7-14. On the Internet: <<http://www.ere.m.ktu.lt/index.php/ITC/article/view/1206/1358>>. [Science Citation Index Expanded (Web of Science).; INSPEC.; VINITI.]
 25. Minkevičius, Saulius; Steišūnas, Stasys. Laws of Little in an Open Queueing Network // Nonlinear analysis : modelling and control. Vilnius : Institute of Mathematics and Informatics. ISSN 1392-5113. 2012, vol. 17, no. 3, p. 327-343. On the Internet: <<http://www.mii.lt/NA/>>. [Science Citation Index Expanded (ISI Web of Science); INSPEC.; Zentralblatt MATH.; VINITI]
 26. Paulauskas, Vygantas; Vaičiulis, Marijus. Estimation of the tail index in the max-aggregation scheme // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2012, Vol. 52, no. 3, p. 297-315. On the Internet: <<http://www.springerlink.com/content/2t064k4679013532/fulltext.pdf>>. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.]
 27. Štikonas, Artūras; Roman, Svetlana. Green's functions for discrete mTH-order problems // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2012, Vol. 52, no. 3, p. 334-351. On the Internet: <<http://www.springerlink.com/content/y3757q7256123011/fulltext.pdf>>. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.]
 28. Mockus, Jonas; Pupeikienė, Lina. On multi-start algorithms for optimization of high school timetables // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2012, Vol. 23, no. 3, p. 405-425. On the Internet: <<http://www.mii.lt/informatica/pdf/INFO873.pdf>>. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.]
 29. Buteikienė, Dovilė; Paunksnis, Alvydas; Barzdžiukas, Valerijus; Bernatavičienė, Jolita; Marcinkevičius, Virginijus; Treigys, Povilas. Assessment of the optic nerve disc and excavation parameters of interactive and automated parameterization methods // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2012, Vol. 23, no. 3, p. 335-355. On the Internet: <<http://www.mii.lt/informatica/pdf/INFO874.pdf>>. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.]
 30. Mockus, Jonas. On simulation of the nash equilibrium in the stock exchange contest // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2012, Vol. 23, no. 1, p. 77-104. On the Internet: <<http://www.mii.lt/informatica/pdf/INFO850.pdf>>. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.]

31. Sunklodas, Jonas Kazys. On the normal approximation of a sum of a random number of independent random variables // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2012, vol. 52, no. 4, p. 435-443. On the Internet: <<http://link.springer.com/content/pdf/10.1007%2Fs10986-012-9185-1>>. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.]
32. Dagienė, Valentina; Jevsikova, Tatjana; Kubilinskienė, Svetlana. An integration of methodological resources into learning object metadata repository // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2012, vol. 23, no. 1, p. 13-34. On the Internet: <<http://www.mii.lt/informatica/pdf/INFO884.pdf>>. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.]
33. Pragarauskaitė, Julija; Dzemyda, Gintautas. Visual decisions in the analysis of customers online shopping behavior // Nonlinear analysis : modelling and control. Vilnius : Institute of Mathematics and Informatics. ISSN 1392-5113. 2012, vol. 17, no. 3, p. 355-368. [Science Citation Index Expanded (ISI Web of Science); INSPEC.; Zentralblatt MATH.; VINITI]
34. Stankus, A.; Lukošius, Žydrūnas; Aponkus, D.; Andziulis, Arūnas; Stankus, V.; Kurmis, Mindaugas; Locans, U.. Comparison of point-to-point and multipoint human artery pulse wave transit time measurement algorithms // Elektronika ir elektrotechnika / Kauno technologijos universitetas. Kaunas : Technologija. ISSN 1392-1215. 2012, nr. 7, p. 95-98. On the Internet: <<http://www.eejournal.ktu.lt/index.php/elt/article/view/2384>>. [Science Citation Index Expanded (Web of Science).; Current Abstracts.; INSPEC.; VINITI.]
35. Vinogradov, Vladimir; Paris, Richard B.; Januškevičienė, Olga [Yanushkevichiene, O.]. New properties and representations for members of the power-variance family. I // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2012, vol. 52, no. 4, p. 444-461. On the Internet: <<http://www.springerlink.com/content/11401kjun8263546/fulltext.pdf>>. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.]
36. Balčiūnas, Aidis; Laurinčikas, Antanas. The laplace transform of Dirichlet L-functions // Nonlinear analysis : modelling and control. Vilnius : Institute of Mathematics and Informatics. ISSN 1392-5113. 2012, vol. 17, no. 2, p. 127-138. On the Internet: <<http://www.lana.lt/journal/45/NA17201.pdf>>. [Science Citation Index Expanded (ISI Web of Science); INSPEC.; Zentralblatt MATH.; VINITI]
37. Mockus, Jonas; Belevičius, Rimantas; Šešok, Dmitrij; Kaunas, Juozas; Mačiūnas, Darius. On Bayesian approach to grillage optimization // Information technology and control / Kauno technologijos universitetas. Kaunas : Technologija. ISSN 1392-124X. 2012, t. 41, no. 4, p. 332-339. On the Internet: <<http://www.itc.ktu.lt/index.php/ITC/article/view/1670/2033>>. [Science Citation Index Expanded (Web of Science).; INSPEC.; VINITI.]
38. Čaplinskas, Albertas; Dzemyda, Gintautas; Kiss, Ferenc; Lupeikienė, Audronė. Processing of undesirable business events in advanced production planning systems // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2012, vol. 23, no. 4, p. 563-579. On the Internet: <<http://www.mii.lt/informatica/pdf/INFO886.pdf>>. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.]
39. Redondo, Juana Lopez; Ortigosa, Pilar Martinez; Žilinskas, Julius. Multimodal evolutionary algorithm for multidimensional scaling with city-block distances // Informatica /

- Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2012, vol. 23, no. 4, p. 601-620. On the Internet: <<http://www.mii.lt/informatica/pdf/INFO885.pdf>>. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.]
40. Drungilas, Darius; Bielskis, Antanas Andrius. Cloud interconnected affect reward based automation ambient comfort controller // Elektronika ir elektrotechnika / Kauno technologijos universitetas. Kaunas : Technologija. ISSN 1392-1215. 2012, Vol. 18, nr. 10, p. 49-52. On the Internet: <<http://www.eejournal.ktu.lt/index.php/elt/article/view/3060/2124>>. [Science Citation Index Expanded (Web of Science).; Current Abstracts.; INSPEC.; VINITI.]
41. Yang, Yang; Leipus, Remigijus; Šiaulyš, Jonas. On the ruin probability in a dependent discrete time risk model with insurance and financial risks // Journal of computational and applied mathematics. Amsterdam : Elsevier BV. ISSN 0377-0427. 2012, vol. 236. no 13, p. 3286-3295. On the Internet: <http://ac.els-cdn.com/S0377042712000970/1-s2.0-S0377042712000970-main.pdf?_tid=604594de4da21aa3219145af4acd1842&acdnat=1334215229_4165bf6349f57bf17cd16ec0f8129b25>. [Science Citation Index Expanded (ISI Web of Science); Current Contents; Zentralblatt MATH; VINITI]
42. Gylis, Remigijus Petras. Extensions of states on MV-quantales // Fuzzy sets and systems. Amsterdam : Elsevier BV * North-Holland. ISSN 0165-0114. 2012, Vol. 194, p. 31-51. On the Internet: <http://ac.els-cdn.com/S0165011410001788/1-s2.0-S0165011410001788-main.pdf?_tid=c7f06689509962f884ffc21d2a63bd58&acdnat=1337237815_ec5fa89fb13f5852ccb262d4160d67fe>. [Science Citation Index Expanded (Web of Science); EBSCOhost; Compendex; Scopus; MatSciNet; GeoRef; INSPEC; VINITI; Zentralblatt MATH]
43. Yang, Yang; Leipus, Remigijus; Šiaulyš, Jonas. Tail probability of randomly weighted sums of subexponential random variables under a dependence structure // Statistics & probability letters. Amsterdam : Elsevier BV. ISSN 0167-7152. 2012, Vol. 82, no. 9, p. 1727-1736. On the Internet: <http://ac.els-cdn.com/S0167715212001915/1-s2.0-S0167715212001915-main.pdf?_tid=6d8633ecaac58a0fbf0dcdf6ac4d962a&acdnat=1340176083_f42f953ac926e37660e0bfb81be972b2>. [Science Citation Index Expanded (Web of Science).; Science Direct.; CSA; Current Abstracts; TOC Premier; Scopus; Zentralblatt MATH]
44. Jukna, Stasys. Clique problem, cutting plane proofs and communication complexity // Information processing letters. Amsterdam : Elsevier B.V. ISSN 0020-0190. 2012, Vol. 112, iss. 20, p. 772-777. On the Internet: <http://ac.els-cdn.com/S0020019012001913/1-s2.0-S0020019012001913-main.pdf?_tid=8e85c14f7e4f9159c696d4d7540f848f&acdnat=1343040782_b9860e93843fa3e03bf0a906645734c0>. [Science Citation Index Expanded (Web of Science); Computer Abstracts International Database; INSPEC; Scopus; Zentralblatt MATH]
45. Puida, Mantas; Malinauskas, Albertas; Ivanauskas, Feliksas. Modeling of electrocatalysis at chemically modified electrodes: a combination of second-order and Michaelis-type chemical kinetics // Journal of mathematical chemistry. Dordrecht : Springer Netherlands. ISSN 0259-9791. 2012, Vol. 50, no. 7, p. 2001-2011. On the Internet: <<http://www.springerlink.com/content/6317461213g82562/fulltext.pdf>>. [Science Citation Index Expanded (Web of Science).; SpringerLINK.; MetaPress.; EBSCO; Chemical Abstracts; Scopus; PubMed; Zentralblatt MATH]
46. Kubilius, Kęstutis; Mishura, Y.. The rate of convergence of Hurst index estimate for the stochastic differential equation // Stochastic processes and their applications. Amsterdam : Elsevier BV * North-Holland. ISSN 0304-4149. 2012, Vol. 122, iss. 11, p. 3718-3739. On the Internet: <<http://ac.els-cdn.com/S0304414912001391/1-s2.0-S0304414912001391->

- main.pdf?_tid=fbf70562-2979-11e2-ace3-00000aab0f27&acdnat=1352361647_4878231f7bc66c372051a1fcb95c7e57>. [Science Citation Index Expanded (Web of Science); Science Direct; MatSciNet; Scopus; Zentralblatt MATH; INSPEC]
47. Mackevičius, Mažvydas; Ivanauskas, Feliksas; Kareiva, Aivaras; Jasaitis, Darius Juozas. A closer look at the computer modeling and sintering optimization in the preparation of YAG // *Journal of mathematical chemistry*. Dordrecht : Springer Netherlands. ISSN 0259-9791. 2012, Vol. 50, no. 8, p. 2291-2302. On the Internet: <http://download.springer.com/static/pdf/95/art%253A10.1007%252Fs10910-012-0031-9.pdf?auth66=1362561985_aac3ae8fe937453d7d9038b530163e76&ext=.pdf>. [Science Citation Index Expanded (Web of Science); SpringerLINK.; MetaPress.; EBSCO; Chemical Abstracts; Scopus; PubMed; Zentralblatt MATH]
48. Jukna, Stasys; Schnitger, Georg. Cutting planes cannot approximate some integer programs // *Operations research letters Amsterdam* : Elsevier BV. ISSN 0167-6377. 2012, vol. 40, no 4, p. 272-275. On the Internet: <http://ac.els-cdn.com/S0167637712000430/1-s2.0-S0167637712000430-main.pdf?_tid=6f48d6933d0df755c4b80f7d02e48fca&acdnat=1338365015_445bdc5eba5294b83f564cf3c7209eec>. [Science Citation Index Expanded (Web of Science); Current Contents; Zentralblatt MATH; Current Index to Statistics; VINITI]
49. Dubickas, Artūras. Heights of squares of Littlewood polynomials and infinite series // *Annales Polonici Mathematici*. Warsaw : Polska Akademia Nauk * Instytut Matematyczny. ISSN 0066-2216. 2012, Vol. 105, no. 2, p. 145-153. [Current Index to Statistics; Scopus; MatSciNet; VINITI; Zentralblatt MATH; Science Citation Index Expanded (Web of Science)]
50. Anskaitis, Aurimas; Grušnys, Darius; Mikėnas, Karolis; Pocius, Visvaldas. Modeling of total electromagnetic field distribution in vicinity of BS concentration // *Przegląd Elektrotechniczny (Electrical Review)*. Warsaw : Wydawnictwo SIGMA - NOT Sp. z o.o. ISSN 0033-2097. 2012, Vol. 88, no. 6, p. 58-60. [Science Citation Index Expanded (Web of Science); Thompson Web of Science (Thomson Scientific Master Journal List); INSPEC; Scopus; Chemical Abstracts; VINITI]
51. Dubickas, Artūras. Density of some sequences modulo 1 // *Colloquium Mathematicum*. Warsaw : Polska Akademia Nauk. ISSN 0010-1354. 2012, Vol. 128, no. 2, p. 237-244. [Science Citation Index Expanded (Web of Science); MatSciNet; GeoRef; Scopus; Zentralblatt MATH; VINITI]
52. Sapagovas, Mifodijus. On the spectral properties of three-layer difference schemes for parabolic equations with nonlocal conditions // *Differential equations*. MAIK Nauka - Interperiodica. ISSN 0012-2661. 2012, vol. 47, no. 8, p. 1033-1041. On the Internet: <http://download.springer.com/static/pdf/517/art%253A10.1134%252FS0012266112070129.pdf?auth66=1353053289_8c706958431e60360d0d2e3215f3d0a0&ext=.pdf>. [Science Citation Index Expanded (ISI Web of Science); Zentralblatt MATH; Academic Search Premier (EBSCO)]
53. Jakaitienė, Audronė; Dees, Stephane. Forecasting the World Economy in the Short Term // *The World Economy*. Oxford : Wiley-Blackwell Publishing Ltd. ISSN 0378-5920. 2012, Vol. 35, iss. 3, p. 331-350. On the Internet: <<http://onlinelibrary.wiley.com/doi/10.1111/j.1467-9701.2011.01433.x/pdf>>. [Science Citation Index Expanded (Web of Science); CABI Abstracts Databases; CSA; IBZ - Internationale Bibliographie der Geistes- und Sozialwissenschaftlichen Zeitschriftenliteratur; EBSCO; GEOBASE; Scopus; OCLC; GALE]
54. Cortese, Rene; Kwan, Andrew; Lalonde, Emilie; Bryzgunova, Olga; Bondar, Anna; Wu, Ying; Gordevičius, Juozas [Gordevicius, Juozas]; Park, Mina; Oh, Gabriele; Kaminsky,

- Zachary; Tverkuvienė, Justina; Laurinavičius, Arvydas [Laurinavicius, Arvydas]; Jankevičius, Feliksas [Jankevicius, Feliksas]; Sendorek, Dorota H.S.; Haider, Syed; Wang, Sun-Chong; Jarmalaitė, Sonata; Laktionov, Pavel; Boutros, Paul C.; Petronis, Artūras. Epigenetic markers of prostate cancer in plasma circulating DNA // *Human molecular genetics*. Oxford : Oxford University Press. ISSN 0964-6906. 2012, Vol. 21, no. 16, p. 3619-3631. On the Internet: <<http://hmg.oxfordjournals.org/content/early/2012/06/08/hmg.dds192.full.pdf+html?sid=e50b147d-b241-463b-989f-76beba2b339a>>. [Science Citation Index Expanded (ISI Web of Science); ProQuest; BasicBIOSIS; Biological Abstracts (Thompson ISI)]
55. Yang, Yang; Leipus, Remigijus; Šiaulyš, Jonas. Precise large deviations for compound random sums in the presence of dependence structures // *Computers and mathematics with applications*. Kidlington : Pergamon. ISSN 0898-1221. 2012, vol, 64, no 6, p. 2074-2083. On the Internet: <http://ac.els-cdn.com/S0898122112003392/1-s2.0-S0898122112003392-main.pdf?_tid=673262b2-f280-11e1-b7ac-00000aacb362&acdnat=1346317090_419e8af59db717ad92787f86c8202ab9>. [Science Citation Index Expanded (ISI Web of Science); Zentralblatt MATH; MatSciNet; Current Index to Statistics; VINITI]
56. Grabauskienė, Vaiva; Dagienė, Valentina. Using of UML for modelling the holistic geometric primary education // *Journal of computer assisted learning*. Oxford : Wiley-Blackwell Publishing Ltd. ISSN 0266-4909. 2012, vol, no., p. [Science Citation Index Expanded (Web of Science); Sociological Abstracts; Scopus]
57. Dubickas, Artūras. Roots of unity as quotients of two roots of a polynomial // *Journal of the Australian mathematical society*. Cambridge : Cambridge University Press. ISSN 1446-7887. 2012, vol. 92, no 2, p. 137-144. [Science Citation Index Expanded (Web of Science); Zentralblatt MATH; MatSciNet; Scopus; VINITI]
58. Astrauskas, Arvydas. Extremal theory for spectrum of random discrete Schrödinger operator. II. Distributions with heavy tails // *Journal of statistical physics*. New York : Springer. ISSN 0022-4715. 2012, vol. 146, no 1, p. 98-117. On the Internet: <http://download.springer.com/static/pdf/856/art%253A10.1007%252Fs10955-011-0402-9.pdf?auth66=1365141871_95ca8cfeecfb9560c29c8edf20069022&ext=.pdf>. [Science Citation Index Expanded (ISI Web of Science); Scopus; INSPEC; Zentralblatt MATH]
59. Valinčius, Gintaras; Meškauskas, Tadas; Ivanauskas, Feliksas. Electrochemical Impedance Spectroscopy of Tethered Bilayer Membranes // *Langmuir*. Washington : American Chemical Society. ISSN 0743-7463. 2012, vol. 28, iss. 1, p. 977-990. On the Internet: <<http://pubs.acs.org/doi/full/10.1021/la204054g>>. [Science Citation Index Expanded (Web of Science).; Academic Search Premier.; TOC Premier.; Scopus.; Chemical Abstracts; MEDLINE; PubMed; EMBASE; GeoRef; INSPEC]
60. Sapagovas, Mifodijus; Meškauskas, Tadas; Ivanauskas, Feliksas. Numerical spectral analysis of a difference operator with non-local boundary conditions // *Applied mathematics and computation*. New York : Elsevier Science Inc. ISSN 0096-3003. 2012, vol. 218, no. 14, p. 7515-7527. On the Internet: <http://ac.els-cdn.com/S0096300312000501/1-s2.0-S0096300312000501-main.pdf?_tid=ed172943bee5136b229398b87855ccdf&acdnat=1336625977_92079107ae1a1310c94033b5a5541215>. [Science Citation Index Expanded (Web of Science).; Science Direct.; BasicBIOSIS.; INSPEC.; MatSciNet.; Scopus.; Zentralblatt MATH.]
61. Kabašinskas, Audrius; Sakalauskas, Leonidas; Sun, Edward W.; Belovas, Igoris. Mixed-Stable Models for Analyzing High-Frequency Financial Data // *Journal of Computational Analysis and Applications*. Cordova : Eudoxus Press, LLC. ISSN 1521-1398. 2012, Vol. 14, iss. 7, p. 1210-1226. [Science Citation Index Expanded (Web of Science); OCLC; Zentralblatt MATH; MatSciNet; Scopus; EBSCO]

62. Skakauskas, Vladas; Štikonienė, Olga. Stability of persistent solutions to a population dynamics model // Applied mathematics and computation. New York : Elsevier Science Inc. ISSN 0096-3003. 2012, vol. 218, no. 17, p. 8987-8996. On the Internet: <http://ac.els-cdn.com/S0096300312002019/1-s2.0-S0096300312002019-main.pdf?_tid=75804521fec735949bdebab112675f2d&acdnat=1336975953_7fb97ef1ed4a69aa6a695780f0e619d4>. [Science Citation Index Expanded (Web of Science).; Science Direct.; BasicBIOSIS.; INSPEC.; MatSciNet.; Scopus.; Zentralblatt MATH.]
63. Norvidas, Saulius. On analytic continuation of characteristic functions of probability measures // Journal of mathematical analysis and applications. San Diego : Academic Press Inc Elsevier Science. ISSN 0022-247X. 2012, Vol. 390, iss. 1, p. 93-98. On the Internet: <http://ac.els-cdn.com/S0022247X12000364/1-s2.0-S0022247X12000364-main.pdf?_tid=e1d4c642d771b2073da8dd3c94e5f473&acdnat=1337238550_48e65c0d2b2ccd18cb7dd7d4bfb446a8>. [MatSciNet.; Science Citation Index Expanded (Web of Science).; Science Direct.; TOC Premier; Scopus; PubMed; INSPEC; Zentralblatt MATH]
64. Žilinskas, Julius. Parallel branch and bound for multidimensional scaling with city-block distances // Journal of global optimization. New York : Springer New York LLC. ISSN 0925-5001. 2012, vol. 54, no. 2, p. 261-274. On the Internet: <<http://www.springerlink.com/content/e1806700412j2ht1/fulltext.pdf>>. [Science Citation Index Expanded (Web of Science); SpringerLINK; Compendex; Current Abstracts; TOC Premier; VINITI]
65. Paulauskas, Nerijus; Pranevičius, Henrikas; Mockus, Jonas; Bukauskas, Feliksas F.. Stochastic 16-state model of voltage gating of gap-junction channels enclosing fast and slow gates // Biophysical journal. St. Louis : Cell Press. ISSN 0006-3495. 2012, Vol. 102, iss. 11, p. 2471-2480. [Science Citation Index Expanded (Web of Science).; PubMed Central.; CAB Abstracts; CSA; MEDLINE; GeoRef; EMBASE; Scopus]
66. Calvin, James M.; Chen, Yvonne; Žilinskas, Antanas. An adaptive univariate global optimization algorithm and its convergence rate for twice continuously differentiable functions // Journal of optimization theory and applications. New York : Springer New York LLC. ISSN 0022-3239. 2012, Vol. 155, iss. 2, p. 628-636. On the Internet: <http://download.springer.com/static/pdf/365/art%253A10.1007%252Fs10957-012-0060-3.pdf?auth66=1353065165_1a4a38e624c22de5d217e39fc4f1b0a8&ext=.pdf>. [Science Citation Index Expanded (Web of Science); CSA; EBSCOhost; Scopus; PubMed; INSPEC; ProQuest; Zentralblatt MATH; VINITI]
67. Pardalos, Panos M.; Steponavičė, Ingrida; Žilinskas, Antanas. Pareto set approximation by the method of adjustable weights and successive lexicographic goal programming // Optimization Letters. Heidelberg : Springer. ISSN 1862-4472. 2012, Vol. 6, iss. 4, p. 665-678. On the Internet: <http://download.springer.com/static/pdf/43/art%253A10.1007%252Fs11590-011-0291-5.pdf?auth66=1393405525_44213657c493f00b0f1c39e55d43d446&ext=.pdf>. [Science Citation Index Expanded (Web of Science); MathSciNET; Compendex; Scopus; Zentralblatt MATH]
68. Žilinskas, Antanas. On strong homogeneity of two global optimization algorithms based on statistical models of multimodal objective functions // Applied mathematics and computation. New York : Elsevier Science Inc. ISSN 0096-3003. 2012, Vol. 218, iss. 16, p. 8131-8136. On the Internet: <http://ac.els-cdn.com/S0096300311009982/1-s2.0-S0096300311009982-main.pdf?_tid=eecf8cfe-320e-11e2-850a-00000aab0f27&acdnat=1353305229_06eeaade2b68ac97a18080e8f16d4ff0>. [Science Citation Index Expanded (Web of Science).; Science Direct.; BasicBIOSIS.; INSPEC.; MatSciNet.; Scopus.; Zentralblatt MATH.]

69. Khare, Tarang; Pai, Shraddha; Koncevičius, Karolis; Pal, Mrinal; Kriukienė, Edita; Liutkevičiūtė, Zita; Irimia, Manuel; Jia, Peixin; Ptak, Carolyn; Xia, Menghang; Tice, Raymond; Tochigi, Mamoru; Morera, Solange; Nazarians, Anaies; Belsham, Denise; Wong, Albert H.C.; Blencowe, Benjamin J.; Wang, Sun-Chong; Kapranov, Philipp; Kustra, Rafal; Labrie, Viviane; Klimašauskas, Saulius; Petronis, Artūras. 5-hmC in the brain is abundant in synaptic genes and shows differences at the exon-intron boundary // *Nature Structural and Molecular Biology*. New York : Nature Publishing Group. ISSN 1545-9993. 2012, Vol. 19, iss. 10, p. 1037-1043. [Science Citation Index Expanded (Web of Science); CABI Abstracts Databases; CSA; Chemical Abstracts; EBSCOhost; EMBASE; Elsevier BIOBASE; Scopus; INIS Atomindex; ProQuest; MEDLINE; INSPEC]
70. Januškevičienė, Olga [Yanushkevichiene, O.]. On bounds in limit theorems for some USU -statistics // *Theory of probability and its applications*. Philadelphia : Society for Industrial and Applied Mathematics. ISSN 0040-585X. 2012, vol. 56, no 4, p. 660-673. [Science Citation Index Expanded (ISI Web of Science); MatSciNet; Zentralblatt MATH; Scopus]
71. Mikulevicius, Remigijus; Pragarauskas, Henrikas. On $L\{p\}$ -estimates of some singular integrals related to jump processes // *SIAM Journal on Mathematical Analysis*. Philadelphia : Society for Industrial and Applied Mathematics. ISSN 0036-1410. 2012, Vol. 44, no. 4, p. 2305-2328. [Science Citation Index Expanded (ISI Web of Science).; MatSciNet.; Compendex.; INSPEC; VINITI; Zentralblatt MATH; Scopus; ProQuest]

In other publications indexed by Thomson Reuters Web of Science [Proceedings, etc.]

1. Besson, Jérémy Daniel; Woronowicz, Tanja; Mitašiūnas, Antanas; Boronowsky, Michael. Innovation, knowledge- and technology transfer process capability model - innoSPICETM // *Software process improvement and capability determination : 12th International Conference, SPICE 2012, Palma, Spain, May 29-31, 2012 : proceedings*. Series : Communications in Computer and Information Science. Vol. 290, Part.3. Berlin : Springer, 2012. ISBN 97836423043927. p. 75-84. [MatSciNet; Scopus; Springer Link; Conference Proceedings Citation Index]
2. Lančinskas, Algirdas; Žilinskas, Julius. Approaches to parallelize Pareto ranking in NSGA-II algorithm // *Parallel Processing and Applied Mathematics*. P. 2. - Book series: Lecture Notes in Computer Science, Vol. 7204. Berlin : Springer-Verlag Berlin. ISSN 0302-9743. 2012, Vol. 7204, p. 371-380.
3. Liogys, Mindaugas; Žilinskas, Antanas. A Variable Neighbourhood Search Enhancement for the Shift Sequence Based Method of the Personal Scheduling in Hospitals // *Information and Software Technologies : 18th International Conference, ICIST 2012, Kaunas, Lithuania, September 13-14, 2012 : proceedings / edited by Tomas Skersys, Rimantas Butleris, Rita Butkienė*. Series : Communications in Computer and Information Science. Vol. 319 (ISSN 1865-0929). Berlin : Springer, 2012. ISBN 9783642333071. p. 15-23. [MatSciNet; Scopus; Springer Link; Conference Proceedings Citation Index]
4. Jančauskas, Vytautas; Mackutė-Varoneckienė, Aušra; Varoneckas, Audrius; Žilinskas, Antanas. On the Multi-objective Optimization Aided Drawing of Connectors for Graphs Related to Business Process Management // *Information and Software Technologies : 18th International Conference, ICIST 2012, Kaunas, Lithuania, September 13-14, 2012 : proceedings / edited by Tomas Skersys, Rimantas Butleris, Rita Butkienė*. Series : Communications in Computer and Information Science. Vol. 319 (ISSN 1865-0929). Berlin : Springer, 2012. ISBN 9783642333071. p. 87-100. [MatSciNet; Scopus; Springer Link; Conference Proceedings Citation Index]
5. Lančinskas, Algirdas; Žilinskas, Julius. Solution of multi-objective competitive facility location problems using parallel NSGA-II on large scale computing systems // *Applied*

- parallel and scientific computing : 11th international conference, PARA 2012, Helsinki, Finland, June 10-13, 2012 : revised selected papers. - Book series: Lecture notes in computer science, Vol. 7204. Berlin : Springer-Verlag Berlin. ISSN 0302-9743. 2013, Vol. 7782, p. 422-433. On the Internet:
<http://download.springer.com/static/pdf/740/chp%253A10.1007%252F978-3-642-36803-5_31.pdf?auth66=1383912304_d5423ae0773e17a6d7787e7e8d6ca41d&ext=.pdf>.
6. Šiaulys, Jonas; Stepanauskas, Gediminas. Discrete uniform limit law for additive prime number indicators // Analytic and probabilistic methods in number theory : proceedings of the 5th international conference in honour of J. Kubilius, Palanga, 4-10 September, 2011 / editors: A. Laurinčikas, E. Manstavičius, G. Stepanauskas. Vilnius : TEV, 2012. ISBN 9786094331787. p. 255-263. [Science Citation Index Expanded (Web of Science); Zentralblatt MATH]
 7. Bogdanas, Konstantinas; Manstavičius, Eugenijus. Stochastic processes on weakly logarithmic assemblies // Analytic and probabilistic methods in number theory : proceedings of the 5th international conference in honour of J. Kubilius, Palanga, 4-10 September, 2011 / editors: A. Laurinčikas, E. Manstavičius, G. Stepanauskas. Vilnius : TEV, 2012. ISBN 9786094331787. p. 69-80. [ISI Web of Science; Zentralblatt MATH]
 8. Sakalauskas, Leonidas; Vaičiulytė, Ingrida. Maximum likelihood estimation of multivariate skew t-distribution // ICORES 2012 : proceedings of the 1st international conference on operations reserach and enterprise systems. Vilamoura : SciTePress, 2012. ISBN 9789898425973. p. 200-203. [Conference Proceedings Citation Index; INSPEC]
 9. Bartkutė-Norkūnienė, Vaida. Termination of simulated annealing algorithm solving semi-supervised linear SVMs problems // ICORES 2012 : proceedings of the 1st international conference on operations reserach and enterprise systems. Vilamoura : SciTePress, 2012. ISBN 9789898425973. p. 150-156. [Conference Proceedings Citation Index; INSPEC]
 10. Minkevičius, Saulius. Simulation of reliability in multiserver computer networks // 9th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences, Vienna, Austria, 10-14 July 2012. Book series : AIP Conference Proceedings. Vol. 1493. ISSN 0094-243X. Melville : American Institute of Physics, 2012. ISBN 9780735411050. p. 649-652. [Conference Proceedings Citation Index; TOC Premier; MatSciNet; GeoRef; Scopus; PubMed; INSPEC; Zentralblatt MATH]

In Issues Reviewed by International Databases

1. Telksnys, Adolfas Laimutis; Kaukėnas, Jonas. Accuracy Estimation of Detection of Extrasystoles in Heart Rate Sequences // e-Health Networking, Applications and Services (Healthcom) : 2012 IEEE 14th International Conference, 10-13 October, Beijing, China. Beijing : IEEE, 2012. ISBN 9781457720390. p. 143-148. On the Internet:
<<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6379377>>. [IEEE]
2. Minkevičius, Saulius. Analysis of the reliability of multi-server computer networks // WASET 2012: International Conference of World Academy of Science, Engineering and Technology, April 2012, Venice, Italy. ISSN 2070-376X. 2012, iss. 64, p. 839-845. [Compendex (Engineering Index); Academic Search Complete; INTUTE]
3. Grigas, Gintautas; Jevsikova, Tatjana; Strelkauskytė, Agnė. Localisation issues of software shortcut keys // Localisation focus. Limerick : Localisation Research Centre. ISSN 1649-2358. 2012, vol. 11, no. 1, p. 40-53. On the Internet:
<http://www.localisation.ie/sites/default/files/resources/locfocus/issues/LocalisationFocusVol11Issue1_online.pdf>. [INSPEC]
4. Preidys, Saulius; Sakalauskas, Leonidas. Išmaniųjų modulių integravimo į VMA Moodle galimybės: nuo teorijos prie praktikos // Mokslo taikomųjų tyrimų įtaka šiuolaikinių studijų

- kokybei : 5-osios respublikinės mokslinės-praktinės konferencijos mokslinių straipsnių rinkinys, 2012 Vilnius : Vilniaus kolegija, 2012. ISSN 2029-2279. p. 77-82.
[IndexCopernicus]
5. Kligienė, Stanislava Nerutė. Digital footprints in the context of professional ethics // Informatics in education. Vilnius : Matematikos ir informatikos institutas. ISSN 1648-5831. 2012 vol. 11, no. 1, p. 65-79. On the Internet:
<http://www.mii.lt/informatics_in_education/pdf/INFE199.pdf>. [CEEOL.; INSPEC.; VINITI.]
 6. <vėluojanti> Savulionienė, Loreta; Sakalauskas, Leonidas. Stochastinis dažnų poseikių paieškos algoritmas // Jaunųjų mokslininkų darbai / Šiaulių universitetas. Šiauliai : Šiaulių universiteto leidykla. ISSN 1648-8776. 2011, nr. 4(36), p. 138-145. On the Internet:
<http://www.su.lt/bylos/mokslo_leidiniai/jmd/11_04_33/savulioniene_sakalauskas.pdf>. [CEEOL.; Index Copernicus.]
 7. <vėluojanti> Norvaiša, Rimas. Journal impact factor and academic ethics // Mokslo ir technikos raida = Evolution of science and technology. Vilnius : Technika. ISSN 2029-2430. 2011, Vol. 3, no. 2, p. 120-128. On the Internet:
<<http://www.est.vgtu.lt/index.php/est/article/view/est.2011.10/pdf>>. [Academic Search Complete; GALE; ProQuest]
 8. Čiginas, Andrius. Confidence intervals in official statistics: the case of Lithuania // Lietuvos statistikos darbai. Vilnius : Statistikos departamentas prie Lietuvos Respublikos Vyriausybės. ISSN 1392-642X. 2012, Vol. 51, nr. 1, p. 17-21. On the Internet:
<<http://www.statisticsjournal.lt/index.php/statisticsjournal/article/download/81/pdf>>. [EBSCOhost; IndexCopernicus]
 9. Dumskis, Valerijonas; Sakalauskas, Leonidas. The mathematical definition of the bubbles and crashes // Jaunųjų mokslininkų darbai / Šiaulių universitetas. Šiauliai : Šiaulių universiteto leidykla. ISSN 1648-8776. 2012, nr. 4, p. 212-217. On the Internet:
<http://www.su.lt/bylos/mokslo_leidiniai/jmd/2012_4_37/dumskis_sakalauskas.pdf>. [CEEOL.; Index Copernicus.]
 10. <vėluojanti> Važnevičiūtė, Julija; Kligienė, Stanislava Nerutė. Visuotinio atšilimo duomenų tyrimas ir juo pagrįstos statistinės išvados // Lietuvos statistikos darbai. Vilnius : Statistikos departamentas prie Lietuvos Respublikos Vyriausybės. ISSN 1392-642X. 2011, Vol. 50, nr. 1, p. 23-31. On the Internet:
<<http://www.statisticsjournal.lt/index.php/statisticsjournal/article/download/55/pdf>>. [EBSCOhost; IndexCopernicus]
 11. Kvedaras, Virmantas; Leipus, Remigijus; Šiaulys, Jonas. Estimation of the generalized stochastic claims Reserving model and the chain-ladder method // Pinigų studijos. Vilnius : Lietuvos bankas. ISSN 1392-2637. 2012, t. 16, nr. 1, p. 68-90. On the Internet:
<http://www.lb.lt/pinigu_studijos_2012_m_nr_1#page=68>. [Business Source Complete (EBSCO).]
 12. Dagienė, Valentina; Jevsikova, Tatjana. Reasoning on the Content of Informatics Education for Beginners // Socialiniai mokslai / Kauno technologijos universitetas. Kaunas : Technologija. ISSN 1392-0758. 2012, nr. 4, p. 84-90. On the Internet:
<<http://www.socsc.ktu.lt/index.php/Social/article/view/3233>>. [CSA.; SocINDEX with full text.; Current Abstracts.; TOC Premier.]
 13. Lapin, Kristina; Čyras, Vytautas; Savičienė, Laura. The SKY-Scanner time-critical decision support system for surveillance and risk evaluation during landing and take-off // Journal of aerospace operations. Amsterdam : IOS Press. ISSN 2211-002X. 2012, vol. 1, no 3, p. 301-314.
 14. Dubickas, Artūras; Novikas, Aivaras. On integers expressible by some special linear form // Acta Mathematica Universitatis Comenianae. Mlynska Dolina : Univerzita Komenskeho.

In other reviewed scientific publications
Conference Proceedings

1. Čyras, Vytautas; Riedl, Reinhard. Enterprise architects concern legal requirements for the compliance with the law // Transformation juristischer Sprachen : Tagungsband des 15. Internationalen Rechtsinformatik Symposions IRIS 2012. Wien: Druckerei Riegelnik, 2011. ISBN 9783854032786. p. 298-305.
2. Jančauskas, Vytautas; Žilinskas, Antanas. A multi-objective optimization aided algorithm for search of aesthetically looking paths in grids // ICNNAI 2012: Neural networks and artificial intelligence : proceedings of the 7th international conference, October 10-12 Minsk. Minsk : BSUIR, 2012. ISBN 9789854889245. p. 209-214.
3. Sakalauskas, Leonidas; Vaičiulytė, Ingrida. Adaptive Monte-Carlo Markov Chain // SMTDA 2012 : 2nd Stochastic Modeling Techniques and Data Analysis International Conference, Chania, Crete, Greece, 5-8 June 2012 : proceedings. Crete, 2012. p. 653-660.
4. Čyras, Vytautas; Lachmayer, Friedrich. Multisensory legal machines and legal act production // Law, science, technology : 25th IVR World congress : paper series no 026, 2012, Series A, 15-20 August, 2011, Germany [elektroninis išteklius]. Frankfurt am Main : Goethe university, 2012. p. [1-18]. On the Internet: <http://publikationen.ub.uni-frankfurt.de/files/24884/IVR_World_Congress_2011_No_026.pdf>.
5. Lachmayer, Friedrich; Hoffman, Harald; Čyras, Vytautas. Multisensorische Modelle des Rechts : zur syntaktischen Entfaltung von Rechtstheorie und Rechtsinformatik // Jusletter IT [Elektroninis išteklius]. Bern : Weblaw. ISSN 1664-848X. 2012, 6 June, p. [1-7].
6. Dapkūnas, Sigitas; Mitašiūnas, Antanas. Implementation of information system for complaints' investigation // Інформаційні технології в економіці менеджменті і бізнесі. Проблеми науки, практики і освіти : XVIII міжнародна науково-практична конференція, 29 листопада 2012 р.: тези доповідей. Київ : Європейський університет, 2012. p. 258-260.
7. Vaičiulytė, Ingrida. Adaptive Monte-Carlo Markov chain for multivariate statistical estimation // STOPROG 2012 : Stochastic programming for implementation and advanced applications : proceedings of international workshop, July 3-6, 2012, Lithuania. Vilnius : Technika, 2012. ISBN 9786099524146. p. 119-124. On the Internet: <http://www.moksloperiodika.lt/STOPROG_2012/abstract/119-124-Vaic.pdf>.
8. Čyras, Vytautas; Riedl, Reinhard. Formulating the enterprise architecture compliance problem // Databases and information systems : 10th international Baltic conference; local proceedings, July 8-11, 2012, Lithuania / edited by Albertas Čaplinskas, Gintautas Dzemyda, Audronė Lupeikienė, Olegas Vasilecas. Vilnius : Žara, 2012. ISBN 9789986342748. p. 142-153. On the Internet: <<http://ceur-ws.org/Vol-924/paper14.pdf>>.
9. Sakalauskas, Leonidas; Sušinskas, Jurgis. On bayes approach to univariate global optimization // STOPROG 2012 : Stochastic programming for implementation and advanced applications : proceedings of international workshop, July 3-6, 2012, Lithuania. Vilnius : Technika, 2012. ISBN 9786099524146. p. 100-104. On the Internet: <http://www.moksloperiodika.lt/STOPROG_2012/abstract/100-104-Sakal.pdf>.
10. Jančauskas, Vytautas; Kaukas, Giedrius; Žilinskas, Antanas; Žilinskas, Julius. On multi-objective optimization aided visualization of graphs related to business process diagrams // Databases and information systems : 10th international Baltic conference; local proceedings, July 8-11, 2012, Lithuania / edited by Albertas Čaplinskas, Gintautas Dzemyda, Audronė

- Lupeikienė, Olegas Vasilecas. Vilnius : Žara, 2012. ISBN 9789986342748. p. 71-80. On the Internet: <<http://ceur-ws.org/Vol-924/paper08.pdf>>.
11. Žilinskas, Antanas; Mackutė-Varoneckienė, Aušra; Varoneckas, Audrius. Weighting criteria of aesthetic attractiveness of layouts of business process diagrams // STOPROG 2012 : Stochastic programming for implementation and advanced applications : proceedings of international workshop, July 3-6, 2012, Lithuania. Vilnius : Technika, 2012. ISBN 9786099524146. p. 142-147. On the Internet: <http://www.moksloperiodika.lt/STOPROG_2012/abstract/142-147-Zil-Mac.pdf>.
 12. Žilinskas, Antanas. On the arithmetic of infinity oriented implementation of the multi-objective P-algorithm // STOPROG 2012 : Stochastic programming for implementation and advanced applications : proceedings of international workshop, July 3-6, 2012, Lithuania. Vilnius : Technika, 2012. ISBN 9786099524146. p. 136-141. On the Internet: <http://www.moksloperiodika.lt/STOPROG_2012/abstract/136-141-Zil.pdf>.
 13. Bartkutė-Norkūnienė, Vaida. Heuristic Bayesian method for global optimization // STOPROG 2012 : Stochastic programming for implementation and advanced applications : proceedings of international workshop, July 3-6, 2012, Lithuania. Vilnius : Technika, 2012. ISBN 9786099524146. p. 1-5. On the Internet: <http://www.moksloperiodika.lt/STOPROG_2012/abstract/1-5-Norkuniene.pdf>.
 14. Mockus, Jonas; Katin, Igor; Katina, Joana. On stochastic simulation of stock-exchange // STOPROG 2012 : Stochastic programming for implementation and advanced applications : proceedings of international workshop, July 3-6, 2012, Lithuania. Vilnius : Technika, 2012. ISBN 9786099524146. p. 83-87. On the Internet: <http://www.moksloperiodika.lt/STOPROG_2012/abstract/83-87-Mockus.pdf>.
 15. Dzemydienė, Dalė; Dzindzalieta, Ramūnas. Multi-Layered Architecture of Decision Support System for Monitoring of Dangerous Good Transportation // Databases and information systems : 10th international Baltic conference; local proceedings, July 8-11, 2012, Lithuania / edited by Albertas Čaplinskas, Gintautas Dzemyda, Audronė Lupeikienė, Olegas Vasilecas. Vilnius : Žara, 2012. ISBN 9789986342748. p. 128-141. On the Internet: <<http://ceur-ws.org/Vol-924/paper13.pdf>>.
 16. Kurmis, Mindaugas; Dzemydienė, Dalė; Andziulis, Arūnas. Investigation of Data Transfer Capabilities for Heterogeneous Service Support in Critical Mobile Objects Communication Situations // Databases and information systems : 10th international Baltic conference; local proceedings, July 8-11, 2012, Lithuania / edited by Albertas Čaplinskas, Gintautas Dzemyda, Audronė Lupeikienė, Olegas Vasilecas. Vilnius : Žara, 2012. ISBN 9789986342748. p. 154-161. On the Internet: <<http://ceur-ws.org/Vol-924/paper15.pdf>>.
 17. Šaučiūnas, Marius. Automated eContract negotiation in web service environment: electronic contract management aspects // Databases and information systems : 10th international Baltic conference; local proceedings, July 8-11, 2012, Lithuania / edited by Albertas Čaplinskas, Gintautas Dzemyda, Audronė Lupeikienė, Olegas Vasilecas. Vilnius : Žara, 2012. ISBN 9789986342748. p. 241-247. On the Internet: <<http://ceur-ws.org/Vol-924/paper25.pdf>>.
 18. Dzindzalieta, Ramūnas. SIP protocol as a communication bus to control embedded devices // Databases and information systems : 10th international Baltic conference; local proceedings, July 8-11, 2012, Lithuania / edited by Albertas Čaplinskas, Gintautas Dzemyda, Audronė Lupeikienė, Olegas Vasilecas. Vilnius : Žara, 2012. ISBN 9789986342748. p. 229-234. On the Internet: <<http://ceur-ws.org/Vol-924/paper23.pdf>>.
 19. Dumskis, Valerijonas; Guigues, Vincent; Sakalauskas, Leonidas. On risk aversion optimization by Monte-Carlo method // STOPROG 2012 : Stochastic programming for implementation and advanced applications : proceedings of international workshop, July 3-

- 6, 2012, Lithuania. Vilnius : Technika, 2012. ISBN 9786099524146. p. 19-23. On the Internet: <http://www.moksloperiodika.lt/STOPROG_2012/abstract/19-23-Dums.pdf>.
20. Niakšu, Olegas; Kurasova, Olga. Data Mining Applications in Healthcare Theory vs Practice // Databases and information systems : 10th international Baltic conference; local proceedings, July 8-11, 2012, Lithuania / edited by Albertas Čaplinskas, Gintautas Dzemyda, Audronė Lupeikienė, Olegas Vasilecas. Vilnius : Žara, 2012. ISBN 9789986342748. p. 58-70. On the Internet: <<http://ceur-ws.org/Vol-924/paper07.pdf>>.
21. Gricius, Gediminas; Ramašauskas, Olegas. Non-rigid imagerecognition algorithms in applied robotics // STOPROG 2012 : Stochastic programming for implementation and advanced applications : proceedings of international workshop, July 3-6, 2012, Lithuania. Vilnius : Technika, 2012. ISBN 9786099524146. p. 24-29. On the Internet: <http://www.moksloperiodika.lt/STOPROG_2012/abstract/24-29-Gric.pdf>.
22. Kabašinskas, Audrius; Belovas, Igoris. Parallel computing in estimation of parameters of alpha-stable distribution // STOPROG 2012 : Stochastic programming for implementation and advanced applications : proceedings of international workshop, July 3-6, 2012, Lithuania. Vilnius : Technika, 2012. ISBN 9786099524146. p. 49-54. On the Internet: <http://www.moksloperiodika.lt/STOPROG_2012/abstract/49-54-Kabas.pdf>.
23. Nascimento, Leonardo; Venceslau, Helder; Xavier, Adilson; Filho, Virgilio Ferreira; Sakalauskas, Leonidas; Rocha, Roger. Stochastic programming in the mid-term operations Planning of an oil refinery // STOPROG 2012 : Stochastic programming for implementation and advanced applications : proceedings of international workshop, July 3-6, 2012, Lithuania. Vilnius : Technika, 2012. ISBN 9786099524146. p. 88-93. On the Internet: <http://www.moksloperiodika.lt/STOPROG_2012/abstract/88-93-Nasci.pdf>.
24. Anskaitis, Aurimas; Grušnys, Darius; Mikėnas, Karolis; Pocius, Visvaldas. The analysis of the influence of adjacent radio stations positions on total electromagnetic field intensity observed near the projected BS // EMD 2012 : 22nd International Conference on Electromagnetic Disturbances ; proceedings, Vilnius, September, 20-21, 2012. Vilnius : Technika, 2012. ISSN 1822-3249. p. 6-9. On the Internet: <http://emd.vgtu.lt/index.php/emd/emd_2012/paper/view/2/2>.

In other periodicals, nonperiodical collections of papers, etc.

1. Kargina, Tatjana; Manstavičius, Eugenijus. Multiplicative functions on Z_n^+ and the Ewens Sampling Formula // RIMS kokyuroku Bessatsu. Kyoto : Kyoto University. ISSN 1881-6193. 2012, Vol. B34: Functions in Number Theory and Their Probabilistic Aspects eds. K. Matsumoto, S. Akiyama, K. Fukuyama, H. Nakada, H. Sugita, A. Tamagawa, p. 137-151. [Zentralblatt MATH]
2. <vėluojanti> Dzemydienė, Dalė; Kurmis, Mindaugas; Andziulis, Arūnas. Daugialypių paslaugų duomenų perdavimo galimybių tyrimas kritinėse mobilių objektų komunikacijos situacijose // Socialinės technologijos. Vilnius: Mykolo Romerio universitetas. ISSN 2029-7564. 2011, nr. 1(2), p. 427-438. On the Internet: <http://www.mruni.eu/lt/mokslo_darbai/st/archyvas/?l=118037>. [Index Copernicus; Academic Search Complete]
3. Alijevas, Fuadas Marius; Treigys, Povilas; Marcinkevičius, Virginijus. Gamybos proceso ir resursų planavimo sistemų struktūros analizė // Mokslo taikomųjų tyrimų įtaka šiuolaikinių studijų kokybei : 5-osios respublikinės mokslinės-praktinės konferencijos mokslinių straipsnių rinkinys, 2012 Vilnius : Vilniaus kolegija, 2012. ISSN 2029-2279. p. 5-10. [Index Copernicus]
4. Januškevičienė, Olga [Yanushkevichiene, O.]; Januškevičius, Romanas [Yanushkevichius, R.]. About the rate of convergence of one U-statistic // Информатика и её применения.

- Москва : Издательство «ТОРУС ПРЕСС». ISSN 1992-2264. 2012, Т. 6, вып. 3, p. 64-68. [East View; Перечень ВАК [Высшая аттестационная комиссия Министерства образования и науки Российской Федерации]]
5. Jasutė, Eglė; Dagienė, Valentina. Towards digital competencies in mathematics education: a model of interactive geometry // International journal of digital literacy and digital competence. Hershey : I G I Global. ISSN 1947-3494. 2012, vol. 3, no 2, p. 1-19. On the Internet: <<http://www.igi-global.com/viewtitlesample.aspx?id=69159&ptid=59302&t=towards+digital+competencies+in+mathematics+education%3a+a+model+of+interactive+geometry>>. [Linguistics and Language Behavior Abstracts; LISA]
 6. <vėluojanti> Markevičiūtė, Jurgita; Račkauskas, Alfredas; Suquet, Charles. Functional limit theorems for sums of nearly non stationary processes // Publications de L'U.F.R. De Mathematiques Pures et Appliquees. Lille : IRMA. 2011, Vol. 71, p. VIII.
 7. <vėluojanti> Račkauskas, Alfredas; Suquet, Charles. On the distribution of sequential Hölder norms of the Brownian motion // Publications de L'U.F.R. De Mathematiques Pures et Appliquees. Lille : IRMA. 2011, Vol. 71, p. IX.
 8. Preidys, Saulius; Žilinskienė, Inga. Nuotolinio mokymosi kurso personalizavimo modelis mokymosi veiklų atžvilgiu // Elektroninis mokymasis, informacija ir komunikacija: teorija ir praktika. T. 1. Vilnius : Vilniaus universitetas, 2012. ISBN 9786094590306. p. 111-132. On the Internet: <<http://www.esec.vu.lt/straipsniai/str/NMKPMMVA.pdf>>.
 9. Kurmis, Mindaugas; Dzemydienė, Dalė; Andziulis, Arūnas. Įvairialypių paslaugų teikimo automobilių komunikacijos tinklais analizė iš sistemos perspektyvos // Technologijos mokslo darbai Vakarų Lietuvoje / Klaipėdos universitetas. Klaipėda : Klaipėdos universiteto leidykla, 2012. ISSN 1822-4652. 2012, T. 8, p. 231-235.
 10. Mockus, Jonas; Katina, Joana; Katin, Igor. On autoregressive moving-average models as a tool of virtual stock-exchange: experimental investigation // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. A, p. 129-134. On the Internet: <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_A/INFORMATICS/Mockus_Katina_Katin.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_A/INFORMATICS/Mockus_Katina_Katin.pdf)>.
 11. Mockus, Jonas; Katin, Igor; Katina, Joana. On experimental investigation of the web-based stock-exchange model // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. A, p. 123-128. On the Internet: <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_A/INFORMATICS/Mockus_Katin_Katina.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_A/INFORMATICS/Mockus_Katin_Katina.pdf)>.
 12. Alonderis, Romas. A labeled sequent calculus for propositional linear time logic // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. A, p. 1-6. On the Internet: <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_A/MATHEMATICS/Alonderis.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_A/MATHEMATICS/Alonderis.pdf)>.
 13. Balčiūnas, Aidas. A transformation formula related to Dirichlet L-functions with principal character // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. A, p. 13-18. On the Internet: <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_A/MATHEMATICS/Balciunas.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_A/MATHEMATICS/Balciunas.pdf)>.
 14. Čiginas, Andrius. The consistency of bootstrap and jackknife variance estimators for finite population L-statistics // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. A, p. 19-23. On the Internet:

- <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_A/MATHEMATICS/Ciginas.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_A/MATHEMATICS/Ciginas.pdf)>.
15. Jachimavičienė, Justina. Explicit difference schemes for a pseudoparabolic equation with an integral condition // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. A, p. 36-41. On the Internet: <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_A/MATHEMATICS/Jachimavicine.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_A/MATHEMATICS/Jachimavicine.pdf)>.
 16. Jakimauskas, Gintautas; Sakalauskas, Leonidas. Empirical Bayesian regression model for estimation of small rates // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. A, p. 42-47. On the Internet: <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_A/MATHEMATICS/Jakimauskas_Sakalauskas.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_A/MATHEMATICS/Jakimauskas_Sakalauskas.pdf)>.
 17. Jakubėlienė, Kristina. An eigenvalue problem for the differential operator with an integral condition // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. A, p. 48-53. On the Internet: <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_A/MATHEMATICS/Jakubeliene.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_A/MATHEMATICS/Jakubeliene.pdf)>.
 18. Paukštaitė, Gailė; Štikonas, Artūras. Generalized Green's functions for second-order discrete boundary-value problems with nonlocal boundary conditions // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. A, p. 96-101. On the Internet: <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_A/MATHEMATICS/Paukstaite_Stikonas.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_A/MATHEMATICS/Paukstaite_Stikonas.pdf)>.
 19. Pliuškevičius, Regimantas Ričardas; Girčys, Aurimas Paulius. Saturation method for reflexive common knowledge logic // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. A, p. 108-111. On the Internet: <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_A/MATHEMATICS/Pliuskevicius_Gircys.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_A/MATHEMATICS/Pliuskevicius_Gircys.pdf)>.
 20. Sakalauskas, Leonidas; Vaičiulytė, Ingrida. Daugiamatis mažų dažnių vertinimo algoritmas // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. B, p. 260-263. On the Internet: <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_B/INFORMATIKA/Sakalauskas_Vaiciulyte.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_B/INFORMATIKA/Sakalauskas_Vaiciulyte.pdf)>.
 21. Žilinskienė, Inga; Kubilinskienė, Svetlana. Mokomojo scenarijaus personalizavimas taikant kolektyvinės intelektikos metodus // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. B, p. 264-269. On the Internet: <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_B/INFORMATIKA/Zilinskiene_Kubilinskiene.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_B/INFORMATIKA/Zilinskiene_Kubilinskiene.pdf)>.
 22. Mačys, Juozas Juvencijus. Dirichlė principas: pavadinimo niuansai // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. B, p. 193-196. On the Internet: <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_B/MAT_IR_%20INF_DESTYMAS,%20MAT_ISTORIJA/Macys.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_B/MAT_IR_%20INF_DESTYMAS,%20MAT_ISTORIJA/Macys.pdf)>.
 23. Sušinskas, Jurgis; Mačys, Juozas Juvencijus. Olimpiadinė lygčių sistema // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. B, p. 237-242. On the Internet:

- <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_B/MAT_IR_%20INF_D ESTYMAS,%20MAT_ISTORIJA/Susinskas_Macys.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_B/MAT_IR_%20INF_D ESTYMAS,%20MAT_ISTORIJA/Susinskas_Macys.pdf)>.
24. Germanas, Šarūnas; Jakaitienė, Audronė. Nepusiausvyro perdavimo testo galios aproksimavimas // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. B, p. 56-61. On the Internet: <[ftp://ftp.science.mii.lt/pub/publications/53_TOMAS\(2012\)/Serija_B/MATEMATIKOS%20TAIKYMAI/Germanas_Jakaitiene.pdf](ftp://ftp.science.mii.lt/pub/publications/53_TOMAS(2012)/Serija_B/MATEMATIKOS%20TAIKYMAI/Germanas_Jakaitiene.pdf)>.
25. Juškevičienė, Anita; Kurilov, Jevgenij [Kurilovas, Eugenijus]. VMA Moodle personalizavimo galimybė antrosios kartos saityno priemonėmis // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2012, t. 53, ser. B, p. 181-186. On the Internet: <[ftp://ftp.science.mii.lt/pub/Publications/53_TOMAS\(2012\)/Serija_B/MAT_IR_%20INF_D ESTYMAS,%20MAT_ISTORIJA/Juskeviciene_Kurilovas.pdf](ftp://ftp.science.mii.lt/pub/Publications/53_TOMAS(2012)/Serija_B/MAT_IR_%20INF_D ESTYMAS,%20MAT_ISTORIJA/Juskeviciene_Kurilovas.pdf)>.

Popular science, etc. publications

1. <vėluojanti> Norvaiša, Rimas. Matematika ir jos reikšmė Lietuvos mokslui bei kultūrai // Šiuolaikinis mokslas visuomenei : Matematikos, fizikos ir chemijos mokslai. T. 2. Vilnius : Lietuvos mokslų akademija, 2011. ISBN 9789986080534. p. 41-72. On the Internet: <<http://www.upc.smm.lt/asociacijos/lmma/wp-content/uploads/2012/01/STRAIPSNIS.pdf>>.

OTHER METHODOICAL MATERIALS

1. <vėluojanti> Mačys, Juozas Juvencijus. Kengūra, 2011 : mažylis, nykštukas : tarptautinio matematikos konkurso užduotys ir sprendimai : I-IV klasės / autorius-sudarytojas Juozas Mačys. Vilnius : TEV, 2011. 32 p. ISBN 9786094330469.
2. <vėluojanti> Mačys, Juozas Juvencijus; Stundžienė, Žydrūnė. Nykštukas : [užduotys ir sprendimai / autoriai-sudarytojai Juozas Juvencijus Mačys ir Žydrūnė Stundžienė]. Vilnius : TEV, 2011. 75, [1] p. ISBN 9789955879480.

OTHER PUBLICATIONS

1. <vėluojanti> Norvaiša, Rimas (ed.). Mokslas ir etika : konferencijos programa, pranešimų tezės, straipsniai / leidinio sudarytojas ir str. recenzentas Rimas Norvaiša. Vilnius : Žara, 2011. 108 p. ISBN 9789986342687.
2. Čaplinskas, Albertas (ed.); Dzemyda, Gintautas (ed.); Lupeikienė Audronė (ed.); Vasilecas, Olegas (ed.). Databases and information systems : 10th international Baltic conference on databases and information systems : local proceedings, materials of doctoral consortium / edited by : A. Čaplinskas, G. Dzemyda, A. Lupeikienė, O. Vasilecas. Vilnius : Žara, 2012. 264 p. ISBN 9789986342748.
3. Žilinskienė, Inga; Dagienė, Valentina; Kurilov, Jevgenij [Kurilovas, Eugenijus]. A swarm-based approach to adaptive learning: selection of a dynamic learning scenario // Proceedings of the 11th European conference on e-learning. Groningen : University of Groningen, 2012. p.
4. Mačys, Juozas Juvencijus. Funkcinės lygtys mokykloje // Matematika ir matematikos dėstymas - 2012 : konferencijos pranešimų medžiaga. Kaunas : Technologija, 2012. ISSN 2029-9354. p. 4-8.
5. Mačys, Juozas Juvencijus. Kosinuso apibrėžimas funkcine lygtimi // Matematika ir matematikos dėstymas - 2012 : konferencijos pranešimų medžiaga. Kaunas : Technologija, 2012. ISSN 2029-9354. p. 27-32.

6. Sušinskas, Jurgis; Mačys, Juozas Juvencijus. Trigonometrinių funkcijų analizinis apibrėžimas // Matematika ir matematikos dėstymas - 2012 : konferencijos pranešimų medžiaga. Kaunas : Technologija, 2012. ISSN 2029-9354. p. 33-38.
7. <vėluojanti> Savulionienė, Loreta. Dažnų posekių paieškos algoritmai ir jų rezultatai // Mokslo taikomųjų tyrimų įtaka šiuolaikinių studijų kokybei : 4-os respublikinės mokslinės-praktinės konferencijos mokslinių straipsnių rinkinys. Vilnius : Vilniaus kolegija. 2011, nr 1, p. 107-113.
8. Birenienė, Virginija; Kurilov, Jevgenij [Kurilovas, Eugenijus]. Europos mokomieji scenarijai ir technologinė strategija ateities mokyklai // Gamtamokslinis ugdymas bendrojo lavinimo mokykloje - 2012 = Natural science education at a general school - 2012 : XVIII nacionalinės mokslinės-praktinės konferencijos straipsnių rinkinys, Plungė, 2012 m. balandžio 28-29 d. Šiauliai : Mokslinis metodinis centras "Scientia educologica", 2012. ISBN 9786099521923. p. 27-32.
9. Žilinskas, Julius. Combinatorial optimization in placement of processes into multicore hardware // Mathematical modelling and analysis : 17th international conference, June 6-9, 2012, Tallinn, Estonia : abstracts. Tallinn : Tallinn University of Technology, 2012. ISBN 9789949233069. p. 125.
10. Račkauskienė, Santa. Universality of zeta-functions with periodic coefficients // Mathematical modelling and analysis : 17th international conference, June 6-9, 2012, Tallinn, Estonia : abstracts. Tallinn : Tallinn University of Technology, 2012. ISBN 9789949233069. p. 15.
11. Štikonas, Artūras. Investigation of a characteristic curve for the problems with nonlocal boundary conditions // Mathematical modelling and analysis : 17th international conference, June 6-9, 2012, Tallinn, Estonia : abstracts. Tallinn : Tallinn University of Technology, 2012. ISBN 9789949233069. p. 118.
12. Balčiūnas, Aidis. The Laplace and Mellin transforms of Dirichlet L-functions // Mathematical modelling and analysis : 17th international conference, June 6-9, 2012, Tallinn, Estonia : abstracts. Tallinn : Tallinn University of Technology, 2012. ISBN 9789949233069. p. [1].
13. Jachimavičienė, Justina; Sapagovas, Mifodijus. Finite difference approximations for a class of pseudoparabolic equations with integral conditions // Mathematical modelling and analysis : 17th international conference, June 6-9, 2012, Tallinn, Estonia : abstracts. Tallinn : Tallinn University of Technology, 2012. ISBN 9789949233069. p. [1].
14. Jakubėlienė, Kristina; Sapagovas, Mifodijus. Stability of difference schemes for two-dimensional parabolic equation with integral condition // Mathematical modelling and analysis : 17th international conference, June 6-9, 2012, Tallinn, Estonia : abstracts. Tallinn : Tallinn University of Technology, 2012. ISBN 9789949233069. p. [1].
15. Novickij, Jurij; Ivanauskas, Feliksas; Sapagovas, Mifodijus. On the stability of an explicit difference scheme for hyperbolic equation with integral conditions // Mathematical modelling and analysis : 17th international conference, June 6-9, 2012, Tallinn, Estonia : abstracts. Tallinn : Tallinn University of Technology, 2012. ISBN 9789949233069. p. [1].
16. Skučaitė-Bingelė, Kristina. Investigation of complex eigenvalues for stationary problems with two-point nonlocal boundary condition // Mathematical modelling and analysis : 17th international conference, June 6-9, 2012, Tallinn, Estonia : abstracts. Tallinn : Tallinn University of Technology, 2012. ISBN 9789949233069. p. [1].
17. Štikonienė, Olga; Sapagovas, Mifodijus. On numerical solution for a class of elliptic equations with nonlocal conditions // Mathematical modelling and analysis : 17th international conference, June 6-9, 2012, Tallinn, Estonia : abstracts. Tallinn : Tallinn University of Technology, 2012. ISBN 9789949233069. p. [1].

18. Skučaitė, Agnė; Štikonas, Artūras. Investigation Sturm-Liouville problems with integral boundary condition // Mathematical modelling and analysis : 17th international conference, June 6-9, 2012, Tallinn, Estonia : abstracts. Tallinn : Tallinn University of Technology, 2012. ISBN 9789949233069. p. [1].
19. Roman, Svetlana; Štikonas, Artūras. Green's function for discrete problems with nonlocal boundary conditions // Mathematical modelling and analysis : 17th international conference, June 6-9, 2012, Tallinn, Estonia : abstracts. Tallinn : Tallinn University of Technology, 2012. ISBN 9789949233069. p. [1].
20. Jokšienė, Živilė; Čiupaila, Regimantas; Sapagovas, Mifodijus. Some properties of spectra for difference operator with nonlocal conditions // Mathematical modelling and analysis : 17th international conference, June 6-9, 2012, Tallinn, Estonia : abstracts. Tallinn : Tallinn University of Technology, 2012. ISBN 9789949233069. p. [1].
21. Andziulis, Arūnas; Didžiokas, Rimantas; Lukošius, Žydrūnas; Kurmis, Mindaugas; Gaigals, Gatis. Analysis of NI RF Record and Playback System application for storing and retrieving of space signals // Baltic Applied Astrodynamics and Space Data Processing : 1st International Scientific Conference of Ventspils International Radio Astronomy Centre Colocated with 5th International Scientific Conference of Ventspils University College, 7-8 May, 2012, Ventspils, Latvia. Ventspils : Ventspils University College, 2012. ISBN 9789984648200. p. 15-16. On the Internet: <http://venta.lv/wp-content/uploads/Baasp2012_kopsavilkumu-brosura.pdf>.
22. Paulauskas, Nerijus; Pranevičius, Henrikas; Mockus, Jonas; Bukauskas, Feliksas F.. Combined application of stochastic 16-state models of voltage-gating and Global Optimization algorithms in evaluating gating parameters of gap junction channels enclosing fast and slow gates // Mathematical and computational medicine conference 2012 : Zing conferences : book of abstracts, Mexico, 1st-5th December, 2012 Mexico : Zing conferences, 2012. p. 19.
23. Paulavičius, Remigijus. Simplicial Lipschitz optimization without the Lipschitz constant // 3rd International Conference on Optimization Methods and Software 2012, May 13-17, Chania, Crete, Greece. Chania, 2012. p. 76.
24. Lančinskas, Algirdas; Žilinskas, Julius. Daugiakriterinio optimizavimo algoritmų lygiagretinimas // Fizinių ir technologijos mokslų tarpdalykiniai tyrimai : antroji LMA Jaunųjų mokslininkų konferencija, Vilnius, 2012 02 14. Fizinių mokslų sekcija : pranešimų tezės. Vilnius : LMA leidykla, 2012.
25. Puplinskaitė, Donata; Surgailis, Donatas. Atsitiktinių laukų su begaline dispersija agregavimas // Fizinių ir technologijos mokslų tarpdalykiniai tyrimai : antroji LMA Jaunųjų mokslininkų konferencija, Vilnius, 2012 02 14. Fizinių mokslų sekcija : pranešimų tezės. Vilnius : LMA leidykla, 2012.
26. Katin, Igor; Katina, Joana; Mockus, Jonas. On the experimental investigation of the stock-exchange game model // EURO 25 : 25th European conference on operational research : abstracts, Vilnius, 8-11 July, 2012. Vilnius, 2012. p. 221.
27. Galiauskas, Nerijus; Žilinskas, Julius. Kvadratinio programavimo uždaviniai // Fizinių ir technologijos mokslų tarpdalykiniai tyrimai : antroji LMA Jaunųjų mokslininkų konferencija, Vilnius, 2012 02 14. Fizinių mokslų sekcija : pranešimų tezės. Vilnius : LMA leidykla, 2012. p. 8.
28. Mockus, Jonas; Stašionis, Justas. Ekperimentinis Pareto-Lipšitzo optimizavimo tyrimas // Fizinių ir technologijos mokslų tarpdalykiniai tyrimai : antroji LMA Jaunųjų mokslininkų konferencija, Vilnius, 2012 02 14. Fizinių mokslų sekcija : pranešimų tezės. Vilnius : LMA leidykla, 2012. p. 25-26.
29. Mockus, Jonas; Katin, Igor; Katina, Joana. On investigation of NASH equilibrium in financial market model // Fizinių ir technologijos mokslų tarpdalykiniai tyrimai : antroji

- LMA Jaunujų mokslininkų konferencija, Vilnius, 2012 02 14. Fizinių mokslų sekcija : pranešimų tezės. Vilnius : LMA leidykla, 2012. p. 10.
30. Žilinskas, Julius. On simplicial partitions in global optimization // EUROPT-2012 : 10th EUROPT Workshop on Advances in Continuous Optimization, 5-7 July 2012, Šiauliai, Lithuania. Šiauliai : Šiauliai University, 2012. ISBN 9786094301490. p. 58.
 31. Stefanovič, Pavel; Kurasova, Olga. Text mining and visualization with self-organizing maps // EURO 25 : 25th European conference on operational research : abstracts, Vilnius, 8-11 July, 2012. Vilnius, 2012. p. 252.
 32. Vaira, Gintaras; Kurasova, Olga. Incorporating constraint preservation in GA operators for VRPTW problem // EURO 25 : 25th European conference on operational research : abstracts, Vilnius, 8-11 July, 2012. Vilnius, 2012. p. 26.
 33. Jančauskas, Vytautas; Žilinskas, Antanas; Pardalos, Panos M.. On multi-objective black box optimization of expensive objectives // EURO 25 : 25th European conference on operational research : abstracts, Vilnius, 8-11 July, 2012. Vilnius, 2012. p. 185-186.
 34. Lančinskas, Algirdas; Žilinskas, Julius; Pelegrin, Blas; Fernandez, Pascual. On a biobjective location model for firm expansion with binary customer behaviour // EURO 25 : 25th European conference on operational research : abstracts, Vilnius, 8-11 July, 2012. Vilnius, 2012. p. 140.
 35. Giedra, Haroldas; Sakalauskaitė, Jūratė. Sequent calculus with algorithmic properties for logic of correlated knowledge // How the world computes : CiE 2012 : Turing centenary conference : abstracts, University of Cambridge, 18-23 June, 2012 Cambridge : University of Cambridge, 2012. p. 60. On the Internet: <<http://www.mathcomp.leeds.ac.uk/turing2012/WScie12/Images/abstracts-booklet.pdf>>.
 36. <vėluojanti> Šarka, Paulius. Sumsets of sparse sets // Young workshop in arithmetics and combinatorics, Madrid, June 20-24, 2011 On the Internet: <<http://www.young-workshop-icmat.uphero.com/abstracts.pdf>>.
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