



## Vilnius university Institute of Mathematics and Informatics Scientific publications – 2013

[Informatics Methodology Department](#)

[Numerical Methods Department](#)

[Probability Theory and Statistics Department](#)

[Recognition Processes Department](#)

[Software Engineering Department](#)

[Stochastic Processes Department](#)

[System Analysis Department](#)

[Computer Networks Laboratory](#)

---

## INFORMATICS METHODOLOGY DEPARTMENT

### SCIENTIFIC PUBLICATIONS PAPERS

#### Thomson Reuters Master Journal List publications

1. Dagienė, Valentina; Jevsikova, Tatjana; Kubiliuskienė, Svetlana. An integration of methodological resources into learning object metadata repository // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2013, vol. 24, no. 1, p. 13-34. Prieiga per internetą: <<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.; 1,000].

#### Publications cited in an international databases (belonging to the list, which was approved by the Research Council of Lithuania)

1. Urbanienė, Jūratė. Adaptyvios programavimo mokymosi sistemos modelis // Informacijos mokslai / Vilniaus universitetas. Vilnius : Vilniaus universiteto leidykla. ISSN 1392-0561. 2013, t. 66, p. 108-122. Prieiga per internetą: <<http://www.vu.lt/leidyba/dokumentai/zurnalai/INFORMACIJOS%20MOKSLAI/Informacijos%20mokslai%202013%2066/108-122.pdf>>. [CEEOL.; LISA.; 1,000].

#### Conference proceedings

1. Žilinskienė, Inga; Preidys, Saulius. A model for personalized selection of a learning scenario depending on learning styles // Frontiers in artificial intelligence and applications. Vol. 249: Databases and information systems VII : selected papers from the 10th international Baltic conference, DB&IS 2012 / Editors : Albertas Caplinskas, Gintautas Dzemyda, Audrone

- Lupeikiene, Olegas Vasilecas. Amsterdam : IOS Press, 2013. ISBN 9781614991601. p. 347-360. [1,000].
2. Kubilinskienė, Svetlana; Dagienė, Valentina. Research on the extended metadata model of methodological digital resources // Frontiers in artificial intelligence and applications. Vol. 249: Databases and information systems VII : selected papers from the 10th international Baltic conference, DB&IS 2012 / Editors : Albertas Caplinskas, Gintautas Dzemyda, Audrone Lupeikiene, Olegas Vasilecas. Amsterdam : IOS Press, 2013. ISBN 9781614991601. p. 371-383. [1,000].

[Contribution in the group: 2,000]

#### **Other periodicals, onetime paper collections, etc.**

1. Dagienė, Valentina; Skūpas, Bronius. Assessment of student's programs // Improving computer science education / edited by Djordje M. Kadijevich, Charoula Angelis, Carsten Schulte. New York - London : Routledge, 2013. ISBN 9780415645379. p. 82-98. [1,000].

#### **APPLICATION SCIENCE WORKS (dictionaries, directories, encyclopedias, etc.)**

1. Bartoševičienė, Valė; Bendorienė, Aldona; Bogušienė, Virginija; Černiūtė, Violeta; Ereminas, Gintautas; Girdžiauskas, Juozapas; Grigas, Gintautas; Gudžinskas, Zigmantas; Kurkulis, Bronislovas; Merkytė, Ingrida; Morkūnas, Vaidotas; Mudėnienė, Regina; Paulauskytė, Teresė; Raudonytė, Inga; Riauba, Bronius; Rudnickaitė, Eugenija; Skirmantas, Petras; Smetona, Antanas; Smilgevičius, Vytautas; Žalkauskas, Valerijonas. Tarptautinių žodžių žodynas. Vilnius : Alma littera, 2013. VIII, 888 p. ISBN 9786090110843. [0,050].

#### **OTHER PUBLICATIONS**

1. Sutkutė, E.; Dagienė, Valentina. Informacinių technologijų ir informatikos konkurso "Bebras" interaktyvios užduotys // Studentų mokslinė praktika 2013 : konferencijos pranešimų santraukos. D. 2. Vilnius : Lietuvos mokslo taryba, 2013. ISBN 9789955613626. p. 71-73. [0,500].

---

## **NUMERICAL METHODS DEPARTMENT**

### **SCIENTIFIC PUBLICATIONS PAPERS**

#### **Thomson Reuters Master Journal List publications**

1. Sapagovas, Mifodijus; Čiupaila, Regimantas; Jokšienė, Živilė; Meškauskas, Tadas. Computational experiment for stability analysis of difference schemes with nonlocal conditions // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslo akademijos leidykla. ISSN 0868-4952. 2013, vol. 24, no. 2, p. 275-290. Prieiga per internetą: <<http://www.mii.lt/informatica/pdf/INFO907.pdf>>. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.; 0,433].
2. Čiupaila, Regimantas; Sapagovas, Mifodijus; Štikonienė, Olga. Numerical solution of nonlinear elliptic equation with nonlocal condition // Nonlinear analysis : modelling and control. Vilnius : Institute of Mathematics and Informatics. ISSN 1392-5113. 2013, vol. 18,

- no. 4, p. 412-426. Prieiga per internetą: <[http://www.mii.lt/na/issues/NA\\_1804/NA18402.pdf](http://www.mii.lt/na/issues/NA_1804/NA18402.pdf)>. [Science Citation Index Expanded (ISI Web of Science); INSPEC.; Zentralblatt MATH.; VINITI; 0,943].
3. Jakubėlienė, Kristina; Sapagovas, Mifodijus. On the stability of a difference scheme for a two-dimensional parabolic equation with an integral condition // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2013, Vol. 53, no. 3, p. 311-323. Prieiga per internetą: <[http://download.springer.com/static/pdf/441/art%253A10.1007%252Fs10986-013-9210-z.pdf?auth66=1387368751\\_1e09164b2698611e38759d64423ef9da&ext=.pdf](http://download.springer.com/static/pdf/441/art%253A10.1007%252Fs10986-013-9210-z.pdf?auth66=1387368751_1e09164b2698611e38759d64423ef9da&ext=.pdf)>. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Curent index to statistics).; Mathematical Reviews.; Zentralblatt MATH.; 1,000].
  4. Ivanauskas, Feliksas; Novitskij, Jurij [Novitski, Yu.A.]; Sapagovas, Mifodijus. On the stability of an explicit difference scheme for hyperbolic equations with nonlocal boundary conditions // Differential equations. MAIK Nauka - Interperiodica. ISSN 0012-2661. 2013, vol. 49, no. 7, p. 849-856. Prieiga per internetą: <[http://download.springer.com/static/pdf/383/art%253A10.1134%252FS0012266113070070.pdf?auth66=1387367356\\_336cf4252427e34f2b2f8d3d0ccb7a87&ext=.pdf](http://download.springer.com/static/pdf/383/art%253A10.1134%252FS0012266113070070.pdf?auth66=1387367356_336cf4252427e34f2b2f8d3d0ccb7a87&ext=.pdf)>. [Science Citation Index Expanded (ISI Web of Science); Zentralblatt MATH; Academic Search Premier (EBSCO); 0,333].

[Contribution in the group: 2,709]

#### **Publications cited in an international databases (belonging to the list, which was approved by the Research Council of Lithuania)**

1. Balčiūnas, Aidas. Mellin transform of the Dirichlet L-function with principal character // Šiauliai mathematical seminar / Šiauliai University. Šiauliai : Šiaulių universiteto leidykla. ISSN 1822-511X. 2013, vol. 8, p. 7-26. Prieiga per internetą: <<http://siauliaims.su.lt/pdfai/2013/Balc-2013.pdf>>. [MatSciNet.; Zentralblatt MATH.; 1,000].

#### **Other periodicals, onetime paper collections, etc.**

1. Balčiūnas, Aidas. A transformation formula with primitive character // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. A, p. 6-11. Prieiga per internetą: <[ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_A/MATHEMATICS/Balciunas.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_A/MATHEMATICS/Balciunas.pdf)>. [1,000].
2. Stonkienė, Liana; Ivanauskas, Feliksas; Malinauskas, Albertas. Interferencinių medžiagų įtakos amperometriniam jutikliui matematinis modeliavimas // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. B, p. 60-65. Prieiga per internetą: <[ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_B/MATEMATIKOS\\_TAIKY\\_MAI/Stonkiene\\_Ivanauskas\\_Malinauskas.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_B/MATEMATIKOS_TAIKY_MAI/Stonkiene_Ivanauskas_Malinauskas.pdf)>. [0,333].
3. Skučaitė-Bingelė, Kristina; Štikonas, Artūras. Inverstigation of the spectrum for Sturm-Liouville problems with a nonlocal boundary condition // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. A, p. 73-78. Prieiga per internetą: <[ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_A/MATHEMATICS/Skucaite-Bingele\\_Stikonas.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_A/MATHEMATICS/Skucaite-Bingele_Stikonas.pdf)>. [1,000].
4. Paukštaitė, Gailė; Štikonas, Artūras. Investigation of matrix nullity for the second order discrete nonlocal boundary value problem // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. A, p. 49-54. Prieiga per internetą: <[ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_A/MATHEMATICS/Paukstite\\_Stikonas.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_A/MATHEMATICS/Paukstite_Stikonas.pdf)>. [0,500].

5. Skučaitė, Agnė; Štikonas, Artūras. Investigation of the spectrum of the Sturm-Liouville problem with a nonlocal integral condition // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. A, p. 67-72. Prieiga per internetą: <[ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_A/MATHEMATICS/Skucaite\\_Stikonas.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_A/MATHEMATICS/Skucaite_Stikonas.pdf)>. [1,000].

[Contribution in the group: 3,833]

## OTHER PUBLICATIONS

1. Kidikaitė, E.; Pečiulytė, Sigita; Štikonas, Artūras. Fučik spectrum for problem with nonlocal two-point boundary condition // 18th International Conference : Mathematical Modelling and Analysis ( MMA2013 ) and Fourth International Conference : Approximation Methods and Orthogonal Expansions ( AMOE2013), May 27 - 30, 2013, Tartu, Estonia : abstracts. Tartu : University of Tartu, 2013. p. [1]. Prieiga per internetą: <<http://www.ut.ee/mma-amoe2013/nmd3/abstraktid09876/Peciulyte.pdf>>. [0,333].
2. Roman, Svetlana; Štikonas, Artūras. Green's functions for linear systems with nonlocal boundary conditions // 18th International Conference : Mathematical Modelling and Analysis ( MMA2013 ) and Fourth International Conference : Approximation Methods and Orthogonal Expansions ( AMOE2013), May 27 - 30, 2013, Tartu, Estonia : abstracts. Tartu : University of Tartu, 2013. p. [1]. Prieiga per internetą: <<http://www.ut.ee/mma-amoe2013/nmd3/abstraktid09876/Stikonas.pdf>>. [1,000].
3. Skučaitė-Bingelė, Kristina. Investigation of eigenvalues for stationary problem with two Bicadze-Samarskii type nonlocal boundary conditions // 18th International Conference : Mathematical Modelling and Analysis ( MMA2013 ) and Fourth International Conference : Approximation Methods and Orthogonal Expansions ( AMOE2013), May 27 - 30, 2013, Tartu, Estonia : abstracts. Tartu : University of Tartu, 2013. p. [1]. Prieiga per internetą: <<http://www.ut.ee/mma-amoe2013/nmd3/abstraktid09876/Skuc-Bing.pdf>>. [1,000].
4. Skučaitė, Agnė. Investigation of spectrum for finite difference scheme with integral boundary condition // 18th International Conference : Mathematical Modelling and Analysis ( MMA2013 ) and Fourth International Conference : Approximation Methods and Orthogonal Expansions ( AMOE2013), May 27 - 30, 2013, Tartu, Estonia : abstracts. Tartu : University of Tartu, 2013. p. [1]. Prieiga per internetą: <<http://www.ut.ee/mma-amoe2013/nmd3/abstraktid09876/SkucAg.pdf>>. [1,000].
5. Štikonienė, Olga; Sapagovas, Mifodijus. Iterative methods for solution of elliptic equations with nonlocal conditions // 18th International Conference : Mathematical Modelling and Analysis ( MMA2013 ) and Fourth International Conference : Approximation Methods and Orthogonal Expansions ( AMOE2013), May 27 - 30, 2013, Tartu, Estonia : abstracts. Tartu : University of Tartu, 2013. p. [1]. Prieiga per internetą: <<http://www.ut.ee/mma-amoe2013/nmd3/abstraktid09876/Stikoniene.pdf>>. [1,000].
6. Balčiūnas, Aidas. Melinn transform of Dirichlet L-functions with principal character // 18th International Conference : Mathematical Modelling and Analysis ( MMA2013 ) and Fourth International Conference : Approximation Methods and Orthogonal Expansions ( AMOE2013), May 27 - 30, 2013, Tartu, Estonia : abstracts. Tartu : University of Tartu, 2013. p. [1]. Prieiga per internetą: <<http://www.ut.ee/mma-amoe2013/nmd3/abstraktid09876/Balciunas.pdf>>. [1,000].

[Contribution in the group: 5,333]

# PROBABILITY THEORY AND STATISTICS DEPARTMENT

## SCIENTIFIC PUBLICATIONS PAPERS

### Thomson Reuters Master Journal List publications

1. Mačys, Juozas Juvencijus. A new problem // American mathematical monthly. Washington : Mathematical Assoc Amer. ISSN 0002-9890. 2012, vol. 119, no. 1, p. 82. [Science Citation Index Expanded (Web of Science); ERIC; MatSciNet; ProQuest; 1,000]. IF: 0,292.
2. Taraškevičius, Ričardas; Zinkutė, Rimantė; Stakėnienė, Rimutė; Radavičius, Marijus. Case study of the relationship between aqua regia and real total contents of harmful trace elements in some European soils // Journal of Chemistry New York : Hindawi Publishing Corporation. ISSN 2090-9063. 2013, vol. 2013, p. art no ID678140. [Science Citation Index Expanded (Web of Science); Chemical Abstracts; Elsevier BIOBASE; EMBASE; GEOBASE; Scopus; 0,354].
3. Norvidas, Saulius. A note on positive definite distributions // Indagationes Mathematicae. Amsterdam : Elsevier BV. ISSN 0019-3577. 2013, Vol. 24, no. 3, p. 505-517. [ISI Web of Science; Scopus; MathSciNET; Zentralblatt MATH; Current Abstracts; 1,414].
4. Pumputis, Dalius; Čiginas, Andrius. Estimation of parameters of finite population L-statistics // Nonlinear analysis : modelling and control. Vilnius : Institute of Mathematics and Informatics. ISSN 1392-5113. 2013, vol. 18, no. 3, p. 327-343. Prieiga per internetą: <<http://www.mii.lt/NA/>>. [Science Citation Index Expanded (ISI Web of Science); INSPEC.; Zentralblatt MATH.; VINITI; 0,707].
5. Dzindzalieta, Dainius. Extremal Lipschitz functions in the deviation inequalities from the mean // Electronic communications in probability [elektroninis išteklius]. Beachwood : Institute of Mathematical Statistics. ISSN 1083-589X. 2013, vol. 18, Art. no. 66 (5 p.). Prieiga per internetą: <<http://ecp.ejpecp.org/article/view/2814>>. [MathSciNET; Scopus; Current Index to Statistics; Zentralblatt MATH; ISI Web of Science; 1,000].
6. Dubickas, Artūras; Schoen, Tomasz; Silva, Manuel; Šarka, Paulius. Finding large co-Sidon subsets in sets with a given additive energy // European journal of combinatorics. London : Academic Press. ISSN 0195-6698. 2013, vol. 34, no 7, p. 1144-1157. Prieiga per internetą: <[http://ac.els-cdn.com/S0195669813000577/1-s2.0-S0195669813000577-main.pdf?\\_tid=ef67ceae-2bf2-11e3-8961-0000aab0f02&acdnat=1380780995\\_1c8b4b732357a0f7f98bed512cd3e122](http://ac.els-cdn.com/S0195669813000577/1-s2.0-S0195669813000577-main.pdf?_tid=ef67ceae-2bf2-11e3-8961-0000aab0f02&acdnat=1380780995_1c8b4b732357a0f7f98bed512cd3e122)>. [Science Citation Index Expanded (ISI Web of Science); MatSciNet; Zentralblatt MATH; Academic Search Premier (EBSCO); TOC Premier (EBSCO); Scopus; 0,433].
7. Rudzkis, Rimantas; Bakšajev Aleksej [Bakshaev, Aleksej]. Goodness of fit tests based on Kernel density estimators // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2013, vol. 24, no. 3, p. 447-460. Prieiga per internetą: <<http://www.mii.lt/informatica/pdf/INFO889.pdf>>. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.; 1,000].
8. Matulevičienė, Aušra; Preikšaitienė, Eglė; Linkevičienė, Laura; Radavičius, Marijus; Molytė, Alma; Utkus, Algirdas; Kučinskas, Vaidutis. Heterogeneity of Oral Clefts in Relation to Associated Congenital Anomalies // Medicina. Kaunas : Kauno medicinos universitetas. ISSN 1010-660X. 2013, t. 49, nr. 2, p. 61-66. Prieiga per internetą: <<http://medicina.kmu.lt/1302/1302-03e.pdf>>. [Science Citation Index Expanded (Web of Science); Index Copernicus; DOAJ; MEDLINE; 0,143].
9. Manstavičius, Eugenijus. Jonas Kubilius (1921-2011) // Acta arithmetica. Warsaw : Polish Acad Sciences Inst Mathematics. ISSN 0065-1036. 2013, vol. 157, no. 1, p. 11-36. Prieiga

- per internetą: < <http://webmail.impan.gov.pl/cgi-bin/aa/pdf?aa157-1-02> >. [Science Citation Index Expanded (Web of Science); MatSciNet; GeoRef; 1,000].
10. Sunklodas, Jonas Kazys. L1 bounds for asymptotic normality of random sums of independent random variables // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2013, Vol. 53, no. 4, p. 438-447. Prieiga per internetą: < [http://download.springer.com/static/pdf/230/art%253A10.1007%252Fs10986-013-9220-x.pdf?auth66=1385283336\\_5c933483764285e0bea23610a5499741&ext=.pdf](http://download.springer.com/static/pdf/230/art%253A10.1007%252Fs10986-013-9220-x.pdf?auth66=1385283336_5c933483764285e0bea23610a5499741&ext=.pdf) >. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.; 1,000].
  11. Vinogradov, Vladimir; Januškevičienė, Olga [Yanushkevichiene, O.]. New properties and representations for members of the power-variance family. II // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2013, Vol. 53, no. 1, p. 103-120. Prieiga per internetą: < [http://download.springer.com/static/pdf/906/art%253A10.1007%252Fs10986-013-9197-5.pdf?auth66=1386405659\\_7e15dd5ecc04fcf662a93614890a79ff&ext=.pdf](http://download.springer.com/static/pdf/906/art%253A10.1007%252Fs10986-013-9197-5.pdf?auth66=1386405659_7e15dd5ecc04fcf662a93614890a79ff&ext=.pdf) >. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.; 0,707].
  12. Paulauskas, Vygantas; Vaičiulis, Marijus. On an improvement of Hill and some other estimators // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2013, Vol. 53, no. 3, p. 336-355. Prieiga per internetą: < [http://download.springer.com/static/pdf/361/art%253A10.1007%252Fs10986-013-9212-x.pdf?auth66=1384673057\\_c809abdd375ea8a65ea45a0355a51b2a&ext=.pdf](http://download.springer.com/static/pdf/361/art%253A10.1007%252Fs10986-013-9212-x.pdf?auth66=1384673057_c809abdd375ea8a65ea45a0355a51b2a&ext=.pdf) >. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.; 0,500].
  13. Mačys, Juozas Juvencijus. On the Euler–Mascheroni constant // Mathematical notes. Austin : Pleiades Publishing. ISSN 0001-4346. 2013, vol. 94, no. 5, p. 647-652. [Science Citation Index Expanded (Web of Science); Social Sciences Citation Index (Web of Science); SpringerLINK.; Academic Search Complete; Current Abstracts; MatSciNet; Scopus; Zentralblatt MATH; 1,000].
  14. Rué, Juanjo; Šarka, Paulius; Zumalacárregui, Ana. On the error term of the logarithm of the lcm of a quadratic sequence // Journal de theorie des nombres de Bordeaux. Talence : Universite de Bordeaux I. ISSN 1246-7405. 2013, vol. 25, no 2, p. 457-470. [Science Citation Index Expanded (ISI Web of Science); Current Contents; Zentralblatt MATH; MatSciNet; Scopus; 0,471].
  15. Čiginas, Andrius. Second-order approximations of finite population L-statistics // Statistics. Abingdon : Taylor & Francis. ISSN 0233-1888. 2013, vol. 47, no. 5, p. 954-965. Prieiga per internetą: < <http://www.tandfonline.com/doi/pdf/10.1080/02331888.2012.658398> >. [MathSciNET; IBZ - Internationale Bibliographie der Geistes- und Sozialwissenschaftlichen Zeitschriftenliteratur; Current Index to Statistics; EBSCOhost; Scopus; Zentralblatt MATH; PubMed; ISI Web of Science; 1,000].
  16. Gorin, E.A.; Norvidas, Saulius. Universal Symbols on Locally Compact Abelian Groups // Functional Analysis and Its Applications. New York : Springer New York LLC. ISSN 0016-2663. 2013, Vol. 47, No. 1, p. 1-13. Prieiga per internetą: < <http://link.springer.com/content/pdf/10.1007%2Fs10688-013-0001-4.pdf> >. [ISI Web of Science; Scopus; Zentralblatt MATH; TOC Premier; MatSciNet; 0,707].

[Contribution in the group: 12,436]

**Publications cited in an international databases  
(belonging to the list, which was approved by the Research Council of Lithuania)**

1. Kargina, Tatjana; Manstavičius, Eugenijus. The law of large numbers with respect to ewens probability // Annales Universitatis Scientiarum Budapestinensis de Rolando Eotvos

- Nominatae : Sectio computatorica. ISSN 0138-9491. 2013, vol. 39, p. 227-238. Prieiga per internetą: < [http://ac.inf.elte.hu/Vol\\_039\\_2013/227\\_39.pdf](http://ac.inf.elte.hu/Vol_039_2013/227_39.pdf) >. [MatSciNet.; Zentralblatt MATH.; 0,500].
2. Mačys, Juozas Juvencijus. О константе Эйлера–Маскерони // Математические заметки. Москва : Издательство МАИК Наука/Interperiodica. ISSN 0025-567X. 2013, т. 94, вып. 5, p. 695-701. [MathSciNET; Zentralblatt MATH; VINITI; Current Index to Statistics; 1,000].
  3. Горин, Е.А.; Norvidas, Saulius [Норвидас, С.]. Универсальные символы на локально компактных абелевых группах // Функциональный анализ и его приложения. Москва : Российская академия наук. ISSN 0374-1990. 2013, т. 47, вып. 1, с. 1-16. Prieiga per internetą: < <http://link.springer.com/content/pdf/10.1007%2Fs10688-013-0001-4.pdf> >. [MathSciNet; Zentralblatt MATH; VINITI; 0,500].

[Contribution in the group: 2,000]

### Conference proceedings

1. Rudzkis, Rimantas; Uzdanavičiūtė, Roma. Econometric models of the impact of macroeconomic processes on the stock market in the Baltic countries // Computer data analysis and modeling: theoretical and applied stochastics : proceedings of the 10th international conference, Minsk, September 10-14. Vol. 2. Minsk : Publishing center of BSU, 2013. ISBN 9789855531389. p. 177-180. Prieiga per internetą: < <http://elib.bsu.by/bitstream/123456789/52099/1/177-180.pdf> >. [0,500].
2. Rudzkis, Rimantas; Bakšajev Aleksej [Bakshaev, Aleksej]. Goodness of fit tests based on Kernel density estimators // Computer data analysis and modeling: theoretical and applied stochastics : proceedings of the 10th international conference, Minsk, September 10-14. Vol. 1. Minsk : Publishing center of BSU, 2013. ISBN 9789855531372. p. 89-96. Prieiga per internetą: < <http://elib.bsu.by/bitstream/123456789/51942/1/89-96.pdf> >. [1,000].

[Contribution in the group: 1,500]

### Other periodicals, onetime paper collections, etc.

1. Mačys, Juozas Juvencijus; Sušinskas, Jurgis. Eilučių propedeutika mokykloje // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. B, p. 146-150. Prieiga per internetą: < [ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_B/MAT\\_ir\\_INF\\_DESTYMA\\_S,%20MAT ISTORIJA/Macys\\_Susinskas.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_B/MAT_ir_INF_DESTYMA_S,%20MAT ISTORIJA/Macys_Susinskas.pdf) >. [0,500].
2. Mačys, Juozas Juvencijus. Madhavos formulės // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. B, p. 140-145. Prieiga per internetą: < [ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_B/MAT\\_ir\\_INF\\_DESTYMA\\_S,%20MAT ISTORIJA/Macys.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_B/MAT_ir_INF_DESTYMA_S,%20MAT ISTORIJA/Macys.pdf) >. [1,000].

[Contribution in the group: 1,500]

### METHODICAL MATERIAL FOR EDUCATION

1. Mačys, Juozas Juvencijus. Kengūra, 2012 : mažylis, nykštukas : tarptautinio matematikos konkurso užduotys ir sprendimai : I-IV klasės / autorius-sudarytojas Juozas Mačys. Vilnius : TEV, 2012. 32 p. ISBN 9786094331893. [1,000].
2. Mačys, Juozas Juvencijus. Kengūra, 2013 : mažylis, nykštukas : tarptautinio matematikos konkurso užduotys ir sprendimai : I-IV klasės / autorius-sudarytojas Juozas Mačys. Vilnius : TEV, 2013. 32 p. ISBN 9786094332128. [1,000].

[Contribution in the group: 2,000]

## OTHER PUBLICATIONS

1. Čiuladaitė, Živilė; Kasnauskienė, Jūratė; Germanas, Šarūnas; Jakaitienė, Audronė; Kučinskas, Vaidutis. A genome - wide survey of copy number variations in population of Lithuania // European journal of human genetics. London : Nature Publishing Group. ISSN 1018-4813. 2013, Vol. 21, suppl. 2, p. 573. [0,200].
2. Manstavičius, Eugenijus. Additive function theory on permutations // NFE'13: numbers, functions, equations : international workshop, 28-30 June, 2013, Visegrad, Hungary. Visegrad, 2013. [1 p.]. Prieiga per internetą: <[http://compalg.inf.elte.hu/~nfe13/abstracts/Manstavicius\\_abstract.pdf](http://compalg.inf.elte.hu/~nfe13/abstracts/Manstavicius_abstract.pdf)>. [1,000].
3. Manstavičius, Eugenijus. An analytic comparative method for decomposable structures // RS&A2013 : 16th International Conference on Random Structures and Algorithms, Poznan, Poland, 5-9 August, 2013 [Internete]. Poznan : Adam Mickiewicz University, 2013. [1 p.]. Prieiga per internetą: <<http://rsa2013.amu.edu.pl/abstracts/Manstavicius.Eugenijus.pdf>>. [1,000].
4. Domarkienė, Ingrida; Pranculis, Aidas; Germanas, Šarūnas; Jakaitienė, Audronė; Dženkevičiūtė, Vilma; Kučinskas, Vaidutis; Kučinskienė, Zita Aušrelė. Lithuanian way towards genomics of coronary heart disease // 6th Baltic Atherosclerosis Congress, October 11-12, 2013, Riga, Latvia : program and abstracts. Riga, 2013. p. 20. [0,143].

[Contribution in the group: 2,343]

---

## RECOGNITION PROCESSES DEPARTMENT

### SCIENTIFIC PUBLICATIONS MONOGRAPH

1. Dzemyda, Gintautas; Kurasova, Olga; Žilinskas, Julius. Multidimensional data visualization: methods and applications. New York : Springer, 2013. XII, 250 p. ISBN 9781441902351. [0,333].

### PAPERS

#### Thomson Reuters Master Journal List publications

1. Žilinskas, Antanas; Žilinskas, Julius. A hybrid global optimization algorithm for non-linear least squares regression // Journal of global optimization. New York : Springer New York LLC. ISSN 0925-5001. 2013, vol. 56, no.2, p. 265-277. Prieiga per internetą: <[http://download.springer.com/static/pdf/270/art%253A10.1007%252Fs10898-011-9840-9.pdf?auth66=1383910625\\_0abddf1aee893bc956a7b01d614f470&ext=.pdf](http://download.springer.com/static/pdf/270/art%253A10.1007%252Fs10898-011-9840-9.pdf?auth66=1383910625_0abddf1aee893bc956a7b01d614f470&ext=.pdf)>. [Science Citation Index Expanded (Web of Science); SpringerLINK; Compendex; Current Abstracts; TOC Premier; VINITI; 0,500].
2. Lileikytė, Rasa; Telksnys, Adolfas Laimutis. Metrics based quality estimation of speech recognition features // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2013, vol. 24, no. 3, p. 435-446. Prieiga per internetą: <<http://www.mii.lt/informatica/pdf/INFO1002.pdf>>. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH. ; 1,000].
3. Varoneckas, Audrius; Žilinskas, Antanas; Žilinskas, Julius. Multi-objective optimization aided to allocation of vertices in aesthetic drawings of special graphs // Nonlinear analysis :

- modelling and control. Vilnius : Institute of Mathematics and Informatics. ISSN 1392-5113. 2013, vol. 18, no. 4, p. 476-492. Prieiga per internetą: < [http://www.mii.lt/na/issues/NA\\_1804/NA18406.pdf](http://www.mii.lt/na/issues/NA_1804/NA18406.pdf) >. [Science Citation Index Expanded (ISI Web of Science); INSPEC.; Zentralblatt MATH.; VINITI; 0,471].
4. Lančinskas, Algirdas; Ortigosa, Pilar Martinez; Žilinskas, Julius. Multi-objective single agent stochastic search in non-dominated sorting genetic algorithm // Nonlinear analysis : modelling and control. Vilnius : Institute of Mathematics and Informatics. ISSN 1392-5113. 2013, vol. 18, no. 3, p. 293-313. Prieiga per internetą: < [http://www.mii.lt/na/issues/NA\\_1803/NA18303.pdf](http://www.mii.lt/na/issues/NA_1803/NA18303.pdf) >. [Science Citation Index Expanded (ISI Web of Science); INSPEC.; Zentralblatt MATH.; VINITI; 0,943].
  5. Kazlauskas, Kazys; Pupeikis, Rimantas. On intelligent extraction of an internal signal in a Wiener System consisting of a linear block followed by hard-nonlinearity // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2013, vol. 24, no. 1, p. 35-58. Prieiga per internetą: < <http://www.mii.lt/informatica/pdf/INFO880.pdf> >. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.; 1,000].
  6. Belevičius, Rimantas; Jatulis, Donatas; Šešok, Dmitrij. Optimization of tall guyed masts using genetic algorithms // Engineering structures. Kidlington : Pergamon. ISSN 0141-0296. 2013, vol. 56, p. 239-245. Prieiga per internetą: < [http://ac.els-cdn.com/S0141029613002265/1-s2.0-S0141029613002265-main.pdf?tid=594fa78a-5cc0-11e3-b2d2-0000aab0f01&acdnat=1386146875\\_85582204e33fdeeac44096f3a865bfc3](http://ac.els-cdn.com/S0141029613002265/1-s2.0-S0141029613002265-main.pdf?tid=594fa78a-5cc0-11e3-b2d2-0000aab0f01&acdnat=1386146875_85582204e33fdeeac44096f3a865bfc3) >. [Science Citation Index Expanded (ISI Web of Science); EBSCOhost; Compendex; FLUIDEX; GEOBASE; Scopus; VINITI; 0,471].
  7. Baronas, Romas; Kulys, Juozas; Žilinskas, Antanas; Lančinskas, Algirdas; Baronas, Darius. Optimization of the multianalyte determination with biased biosensor response // Chemometrics and intelligent laboratory systems. Amsterdam : Elsevier BV. ISSN 0169-7439. 2013, vol. 126, p. 108-116. Prieiga per internetą: < [http://ac.els-cdn.com/S016974391300097X/1-s2.0-S016974391300097X-main.pdf?tid=a7b0a9be-19f0-11e3-9b79-00000aacb35e&acdnat=1378800894\\_55eecb0457a2a30a80b734a4040aab8f](http://ac.els-cdn.com/S016974391300097X/1-s2.0-S016974391300097X-main.pdf?tid=a7b0a9be-19f0-11e3-9b79-00000aacb35e&acdnat=1378800894_55eecb0457a2a30a80b734a4040aab8f) >. [Science Citation Index Expanded (ISI Web of Science); Current Index to Statistics; Academic Search Complete; GeoRef; INSPEC; Chimica; EMBASE; Scopus; 0,200].
  8. Paulavičius, Remigijus; Žilinskas, Julius. Simplicial Lipschitz optimization without the Lipschitz constant // Journal of global optimization. New York : Springer New York LLC. ISSN 0925-5001. 2013, vol. , no, p. Prieiga per internetą: < [http://download.springer.com/static/pdf/772/art%253A10.1007%252Fs10898-013-0089-3.pdf?auth66=1383824007\\_a6ccf1e319831433feda6633d7531c81&ext=.pdf](http://download.springer.com/static/pdf/772/art%253A10.1007%252Fs10898-013-0089-3.pdf?auth66=1383824007_a6ccf1e319831433feda6633d7531c81&ext=.pdf) >. [Science Citation Index Expanded (Web of Science); SpringerLINK; Compendex; Current Abstracts; TOC Premier; VINITI; 1,000].
  9. Belevičius, Rimantas; Jatulis, Donatas; Šešok, Dmitrij. Some insights on the optimal schemes of tall guyed masts // Journal of civil engineering and management. Vilnius : Technika. ISSN 1392-3730. 2013, vol. 19, no 5, p. 749-758. Prieiga per internetą: < <http://www.tandfonline.com/doi/pdf/10.3846/13923730.2013.817480> >. [Science Citation Index Expanded (ISI Web of Science); Index Copernicus; Compendex; INSPEC; EBSCOhost; GALE; VINITI; Scopus; 0,471].
  10. Tamulevičius, Gintautas; Eringis, Deividas. Visual features for Lithuanian phone recognition // Elektronika ir elektrotechnika / Kauno technologijos universitetas. Kaunas : Technologija. ISSN 1392-1215. 2013, Vol. 19, nr. 5, p. 79-82. Prieiga per internetą: < <http://www.eejournal.ktu.lt/index.php/elt/article/view/1724/2520> >. [Science Citation Index Expanded (Web of Science).; Current Abstracts.; INSPEC.; VINITI.; 1,000].

[Contribution in the group: 7,056]

### Other Thomson Reuters Web of Science [ISI Proceedings, etc.] publications

1. Paulavičius, Remigijus; Žilinskas, Julius; Herrera, Juan F.R.; Casado, Leocadio, G.. A parallel DISIMPL for pile placement optimization in grillage-type foundations // 3PGCIC 2013 : 8th international conference on P2P, parallel, grid, cloud and internet computing: proceedings, Compiegne, 2013-10-28, IEEE, 2013. ISBN 9780769550947. p. 525-530. [Conference Proceedings Citation Index; 0,500].
2. Žilinskas, Julius. Communications-aware process placement taking into account symmetries of topology // 3PGCIC 2013 : 8th international conference on P2P, parallel, grid, cloud and internet computing: proceedings, Compiegne, 2013-10-28, IEEE, 2013. ISBN 9780769550947. p. 537-542. [Conference Proceedings Citation Index; 1,000].
3. Herrera, Juan F.R.; Casado, Leocadio, G.; Hendrix, Eligius M.; Paulavičius, Remigijus; Žilinskas, Julius. Dynamic and hierarchical load-balancing techniques applied to parallel branch-and-bound methods // 3PGCIC 2013 : 8th international conference on P2P, parallel, grid, cloud and internet computing: proceedings, Compiegne, 2013-10-28, IEEE, 2013. ISBN 9780769550947. p. 497-502. [Conference Proceedings Citation Index; 0,400].
4. Igumenov, Aleksandr; Žilinskas, Julius. Electrical energy aware parallel computing with MPI and CUDA // 3PGCIC 2013 : 8th international conference on P2P, parallel, grid, cloud and internet computing: proceedings, Compiegne, 2013-10-28, IEEE, 2013. ISBN 9780769550947. p. 531-536. [Conference Proceedings Citation Index; 0,500].
5. Čedaitė, Gintarė; Telksnys, Adolfas Laimutis. Estimation of the environmental impact on the accuracy of signal recognition // Information and software technologies : 19th international conference, ICIST 2013, Kaunas, Lithuania, October 2013 : proceedings / edited by Tomas Skersys, Rimantas Butleris, Rita Butkienė. Series : Communications in computer and information science. Vol. 319 (ISSN 1865-0929). Berlin : Springer, 2013. ISBN 9783642419461. p. 261-271. Prieiga per internetą: < [http://download.springer.com/static/pdf/988/chp%253A10.1007%252F978-3-642-41947-8\\_22.pdf?auth66=1387529834\\_bf1b6cbc01219ee323550c207729bee6&ext=.pdf](http://download.springer.com/static/pdf/988/chp%253A10.1007%252F978-3-642-41947-8_22.pdf?auth66=1387529834_bf1b6cbc01219ee323550c207729bee6&ext=.pdf) >. [MatSciNet; Scopus; Springer Link; Conference Proceedings Citation Index; 0,500].
6. Galiauskas, Nerijus; Žilinskas, Julius. Parallel branch and bound for multidimensional scaling with L1 distances formulated as quadratic programming with complementarity constraints // 3PGCIC 2013 : 8th international conference on P2P, parallel, grid, cloud and internet computing: proceedings, Compiegne, 2013-10-28, IEEE, 2013. ISBN 9780769550947. p. 509-512. [Conference Proceedings Citation Index; 1,000].
7. Greibus, Mindaugas; Telksnys, Adolfas Laimutis. Speech keyword spotting with rule based segmentation // Information and software technologies : 19th international conference, ICIST 2013, Kaunas, Lithuania, October 2013 : proceedings / edited by Tomas Skersys, Rimantas Butleris, Rita Butkienė. Series : Communications in computer and information science. Vol. 319 (ISSN 1865-0929). Berlin : Springer, 2013. ISBN 9783642419461. p. 186-197. Prieiga per internetą: < [http://download.springer.com/static/pdf/962/chp%253A10.1007%252F978-3-642-41947-8\\_17.pdf?auth66=1387538103\\_319816954896dfb193ba97a9baba436c&ext=.pdf](http://download.springer.com/static/pdf/962/chp%253A10.1007%252F978-3-642-41947-8_17.pdf?auth66=1387538103_319816954896dfb193ba97a9baba436c&ext=.pdf) >. [MatSciNet; Scopus; Springer Link; Conference Proceedings Citation Index; 1,000].

[Contribution in the group: 4,900]

### Conference proceedings

1. Slivinskas, Vytautas; Pyž, Gražina; Šimonytė, Virginija. Control of computer programs by voice commands // ECT-2013: electrical and control technologies : the 8th International

- Conference on Electrical and Control Technologies : selected papers / Kaunas University of Technology. Kaunas : Technologija, 2013. ISSN 1822-5934. p. 37-40. [0,333].
2. Žilinskas, Julius [Жилинскас, Ю.]; Квасов, Д.Е.; Paulavičius, Remigijus [Паулавичюс, Р.]; Сергеев, Я.Д.. Ускорение симплексных методов Липшицевой глобальной оптимизации // Высокопроизводительные параллельные вычисления на кластерных системах : материалы 13-ой всероссийской конференции. Нижний Новгород : Изд-во Нижегородского госуниверситета, 2013. ISBN 9785913263049. p. 128-133. [0,500].  
[Contribution in the group: 0,833]

#### Other periodicals, onetime paper collections, etc.

1. Kardelis, Vytautas. Dar dėl ryti aukštaičių vilniškių patarmės ribų // Lietuvių kalba [elektroninis išteklius]. Vilnius : Vilniaus universiteto leidykla. ISSN 1822-525X. 2013, nr. 7, 1 html (22 p.). [1,000].
2. Miežinis, Dalius; Telksnys, Adolfas Laimutis. Elektrokardiogramų ir ritmogramų signalų perdavimas nedideliu atstumu į mobiliuosius Android tipo įrenginius, taupant energijos ir duomenų srauto perdavimo sąnaudas // Computational science and techniques. Klaipėda : Klaipėdos universitetas. ISSN 2029-9966. 2013, vol. 1, no 2, p. 112-123. Prieiga per internetą: <<http://journals.ku.lt/index.php/CST/article/view/90>>. [1,000].
3. Kardelis, Vytautas. Kalbų vartojimas ryti aukštaičių vilniškių patarmėje // Lietuvių kalba [elektroninis išteklius]. Vilnius : Vilniaus universiteto leidykla. ISSN 1822-525X. 2013, nr. 7, 1 html. [1,000].
4. Kardelis, Vytautas. Metodiniai nurodymai tarmių medžiagos rinkėjams: kaip pasirinkti pateikėją // Visos tarmės gražiausios...: tarmių medžiagos rinkimo instrukcija. Vilnius : Mokslo ir enciklopedijų leidybos centras, 2013. ISBN 9785420017326. p. 29. [1,000].
5. Kliukienė, Regina. Tarmės mokėjimas, vartojimas ir nuostatos Žemaitijos regione // Miestai ir kalbos. T. 2: sociolingvistinis Lietuvos žemėlapis : kolektyvinė monografija / mokslinė redaktorė Meilutė Ramonienė ; [žemėlapius parengė Viktorija Baranauskienė ; santrauką į anglų kalbą išvertė Rita Juknevičienė]. Vilnius : Vilniaus universiteto leidykla, 2013. ISBN 9786094592638. p. 91-104. [1,000].
6. Kardelis, Vytautas; Mikulėnienė, Danguolė. Tarmės užrašytojo etika // Visos tarmės gražiausios...: tarmių medžiagos rinkimo instrukcija. Vilnius : Mokslo ir enciklopedijų leidybos centras, 2013. ISBN 9785420017326. p. 30. [0,500].
7. Kardelis, Vytautas; Leskauskaitė, Asta. Šiuolaikiniai tarmių medžiagos rinkimo būdai // Visos tarmės gražiausios...: tarmių medžiagos rinkimo instrukcija. Vilnius : Mokslo ir enciklopedijų leidybos centras, 2013. ISBN 9785420017326. p. 26-28. [0,500].

[Contribution in the group: 6,000]

#### Scientific reviews, papers in cultural, professional and science popularisation publications

1. Pupeikis, Rimantas. The logic of the stolen iPod // Manual of scripts for MATHeatre: a collection of theatre scripts submitted for the theatre play writing competition on the theme of mathematics 2013 / editors: Gr. Makrides and project partners. Published by the project Le-MATH. ISBN 9789963299317. p. 42-48. Prieiga per internetą: <<http://www.le-math.eu/assets/files/Script%20Competition/MathScript.pdf>>. [1,000].

#### OTHER PUBLICATIONS

1. Paulavičius, Remigijus; Žilinskas, Julius. Investigation of DIviding SIMPLices algorithm for asymmetric Lipschitz optimization problems // Numerical computations: theory and algorithms : proceedings of the international conference and summer school, June 17-23, 2013, Falerna, Italy / edited by Francesco Dell'Accio Dmitri E. Kvasov Yaroslav D. Sergeyev. Rende :

- University of Calabria, 2013. p. 108. Prieiga per internetą: < <http://wwwinfo.deis.unical.it/~yaro/numta2013/ProceedingsNUMTA2013.pdf> >. [1,000].
2. Varoneckas, Audrius; Žilinskas, Antanas; Žilinskas, Julius. Multi-objective optimization aided drawing of special graphs // Numerical computations: theory and algorithms : proceedings of the international conference and summer school, June 17-23, 2013, Falerna, Italy / edited by Francesco Dell'Accio Dmitri E. Kvasov Yaroslav D. Sergeyev. Rende : University of Calabria, 2013. p. 139. Prieiga per internetą: < <http://wwwinfo.deis.unical.it/~yaro/numta2013/ProceedingsNUMTA2013.pdf> >. [0,333].
  3. Herrera, Juan F.R.; Casado, Leocadio, G.; Paulavičius, Remigijus; Žilinskas, Julius; Hendrix, Eligius M.. On a hybrid MPI-Pthread approach for simplicial branch-and-bound // IPDPSW '13 : proceedings of the 2013 IEEE 27th international symposium on parallel and distributed processing workshops and PhD forum. New-York : IEEE, 2013. ISBN 9780769549798. p. 1764-1770. Prieiga per internetą: < <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6651076> >. [0,400].
  4. Žilinskas, Julius; Žilinskas, Antanas. On discrete representation of Pareto set in non-convex multi-objective optimization // Numerical computations: theory and algorithms : proceedings of the international conference and summer school, June 17-23, 2013, Falerna, Italy / edited by Francesco Dell'Accio Dmitri E. Kvasov Yaroslav D. Sergeyev. Rende : University of Calabria, 2013. p. 147. Prieiga per internetą: < <http://wwwinfo.deis.unical.it/~yaro/numta2013/ProceedingsNUMTA2013.pdf> >. [0,500].
  5. Fletcher, Roger; Galiauskas, Nerijus; Žilinskas, Julius. Quadratic programming with complementarity constraints for multidimensional scaling with city-block distances // 18th International Conference : Mathematical Modelling and Analysis ( MMA2013 ) and Fourth International Conference : Approximation Methods and Orthogonal Expansions ( AMOE2013 ), May 27 - 30, 2013, Tartu, Estonia : abstracts. Tartu : University of Tartu, 2013. p. [1]. Prieiga per internetą: < <http://www.ut.ee/mma-amoe2013/nmd3/abstraktid09876/Galiauskas.pdf> >. [0,667].

[Contribution in the group: 2,900]

---

## SOFTWARE ENGINEERING DEPARTMENT

### SCIENTIFIC PUBLICATIONS

#### MONOGRAPH

1. Jukna, Stasys; Sergeev, Igor. Complexity of linear boolean operators // Foundations and trends in theoretical computer science. Hanover : Now Publishers Inc. ISSN 1551-305X. 2013, vol. 9, iss. 1, p. 1-123. [0,500].

#### PAPERS

##### Thomson Reuters Master Journal List publications

1. Lupeikienė, Audronė; Miliauskaitė, Jolanta; Čaplinskas, Albertas. A model of view-based enterprise business service quality evaluation framework // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2013, vol. 24, no. 4, p. 543-560. Prieiga per internetą: < <http://www.mii.lt/informatica/pdf/INFO1010.pdf> >. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.; 1,000].

2. Alonderis, Romas. A proof-search procedure for intuitionistic propositional logic // Archive for mathematical logic. Heidelberg : Springer. ISSN 0933-5846. 2013, Vol. 52, iss. 7-8, p. 759-778. Prieiga per internetą: < [http://download.springer.com/static/pdf/678/art%253A10.1007%252Fs00153-013-0342-y.pdf?auth66=1382094496\\_b6794f716c9864610d2f1253b1ef24c7&ext=.pdf](http://download.springer.com/static/pdf/678/art%253A10.1007%252Fs00153-013-0342-y.pdf?auth66=1382094496_b6794f716c9864610d2f1253b1ef24c7&ext=.pdf)>. [ISI Web of Science; ProQuest; VINITI; INSPEC; MLA International Bibliography; OCLC; Scopus; EBSCOhost; 1,000].
3. Jukna, Stasys. Limitations of incremental dynamic programming // Algorithmica. New York : Springer New York LLC. ISSN 0178-4617. 2013, vol. 67, no, p. Prieiga per internetą: < [http://download.springer.com/static/pdf/308/art%253A10.1007%252Fs00453-013-9747-6.pdf?auth66=1387443698\\_5f24e0fdb22801c2286551849ce1c3e0&ext=.pdf](http://download.springer.com/static/pdf/308/art%253A10.1007%252Fs00453-013-9747-6.pdf?auth66=1387443698_5f24e0fdb22801c2286551849ce1c3e0&ext=.pdf) >. [Science Citation Index Expanded (ISI Web of Science); MatSciNet; Current Index to Statistics; Zentralblatt MATH; Compendex; Scopus; VINITI; 1,414].
4. Bielskis, Antanas Andrius; Guseinovienė, Eleonora; Drungilas, Darius; Gricius, Gedeiminas; Žulkas, Evaldas. Modelling of ambient comfort affect reward based adaptive laboratory climate controller // Elektronika ir elektrotechnika / Kauno technologijos universitetas. Kaunas : Technologija. ISSN 1392-1215. 2013, Vol. 19, nr. 8, p. 79-82. Prieiga per internetą: < <http://www.eejournal.ktu.lt/index.php/elt/article/view/5399> >. [Science Citation Index Expanded (Web of Science).; Current Abstracts.; INSPEC.; VINITI.; 0,849].
5. Morkevičius, Aurelijus; Gudas, Saulius; Šilingas, Darius. SBISAF: a service-oriented business and information systems alignment method // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2013, vol. 24, no. 2, p. 231-251. Prieiga per internetą: < <http://www.mii.lt/informatica/pdf/INFO908.pdf> >. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.; 0,577].

[Contribution in the group: 4,840]

### **Publications cited in an international databases (belonging to the list, which was approved by the Research Council of Lithuania)**

1. Lupeikienė, Audronė; Miliauskaitė, Jolanta; Čaplinskas, Albertas. Critical analysis and elaboration of three prevailing approaches to model quality of service // Informacijos mokslai / Vilniaus universitetas. Vilnius : Vilniaus universiteto leidykla. ISSN 1392-0561. 2013, t. 65, p. 111-119. Prieiga per internetą: < <http://www.vu.lt/leidyba//dokumentai/zurnalai/INFORMACIJOS%20MOKSLAI/Informacijos%20mokslai%202013%2065/111-119.pdf> >. [CEEOL.; LISA.; 1,000].
2. Kurmis, Mindaugas; Dzemydienė, Dalė; Didžiokas, Rimantas; Trokss, J.. Modeling and simulation of cloud computing solution for distributed space data storage and access in mobile communication networks // Latvian Journal of Physics and Technical Sciences. Riga : Latvijas Zinatnu Akademijas, Fizikalas Energetikas Instituts. ISSN 0868-8257. 2013, vol. 50, no. 5, p. 20-28. Prieiga per internetą: < <http://www.degruyter.com/view/j/lpts.2013.50.issue-5/lpts-2013-0030/lpts-2013-0030.xml?format=INT> >. [Current Abstracts; TOC Premier; Zentralblatt MATH; VINITI; INSPEC; Scopus; 0,250].
3. Dzemydienė, Dalė; Miliauskas, Arūnas. Possibilities of automatic and semi-automatic end-user driven web service composition // Informacijos mokslai / Vilniaus universitetas. Vilnius : Vilniaus universiteto leidykla. ISSN 1392-0561. 2013, t. 65, p. 34-44. Prieiga per internetą: < <http://www.vu.lt/leidyba//dokumentai/zurnalai/INFORMACIJOS%20MOKSLAI/Informacijos%20mokslai%202013%2065/34-44.pdf> >. [CEEOL.; LISA.; 0,500].

4. Černeckytė, M.; Kurmis, Mindaugas; Andziulis, Arūnas; Gaigals, Gatis. Wireless inter-crane communication method for multi-crane scheduling in maritime container terminals // Latvian Journal of Physics and Technical Sciences. Riga : Latvijas Zinatnu Akademijas, Fizikalas Energetikas Instituts. ISSN 0868-8257. 2013, vol. 50, no. 5, p. 13-19. Prieiga per internetą: <<http://www.degruyter.com/view/j/lpts.2013.50.issue-5/lpts-2013-0029/lpts-2013-0029.xml?format=INT>>. [Current Abstracts; TOC Premier; Zentralblatt MATH; VINITI; INSPEC; Scopus; 0,250].

[Contribution in the group: 2,000]

### Conference proceedings

1. Lupeikienė, Audronė; Miliauskaitė, Jolanta; Čaplinskas, Albertas. A view-based approach to quality of service modelling in service-oriented enterprise systems // BSC 2013 : proceedings of the 2nd international business and system conference [elektroninis išteklius]. Riga : Riga Technical University, 2013. ISBN 9789934104695. p. 7-19. Prieiga per internetą: <<https://bsc2013-journals.rtu.lv/article/view/bsc.2013.2/238>>. [1,000].
2. Venskus, Julius; Kurmis, Mindaugas; Dzemydienė, Dalė; Andziulis, Arūnas; Limba, Tadas. Adaptyvaus galimų incidentų prevencijos apsimokančio algoritmo kūrimas jūrų transporto eismo uoste stebėjimo sistemai // Jūros ir krantų tyrimai - 2013 : 7-oji nacionalinė jūros mokslų ir technologijų konferencija, Klaipėda, 2013 balandžio 3-5 : konferencijos medžiaga. Klaipėda : Klaipėdos universiteto leidykla, 2013. ISBN 9789986313793. p. 303-312. Prieiga per internetą: <[http://bpatpi.ku.lt/krantai2013/knygele\\_maketas\\_2013\\_20130327\\_su%20padeka.pdf](http://bpatpi.ku.lt/krantai2013/knygele_maketas_2013_20130327_su%20padeka.pdf)>. [0,200].
3. Jakovlev, Sergey; Voznak, Miroslav; Andziulis, Arūnas; Kurmis, Mindaugas. Communication technologies for the improvement of marine transportation operations // 12th IFAC, IFIP, IFORS, IEA Symposium on analysis, design, and evaluation of human-machine systems, August 11-15, 2013, Las Vegas, USA : proceedings. Las Vegas : International Federation of Automatic Control, 2013. ISBN 9783902823410. p. 469-474. [0,250].
4. Bielskis, Antanas Andrius; Guseinovienė, Eleonora; Žutautas, L.; Drungilas, Darius; Dzemydienė, Dalė; Griciaus, Gediminas. Modeling of ambient comfort affect reward based on multi-agents in cloud interconnection environment for developing the sustainable home controller // Ecological vehicles and renewable energies : 2013 8th international conference and exhibition : [proceedings], March 27-30, 2013, Grimaldi forum, Monaco [elektroninis išteklius(CD-ROM)]. IEEE, 2013. ISBN 9781467352703. p. [ 5 p. ]. [0,167].
5. Kurmis, Mindaugas; Dzemydienė, Dalė; Andziulis, Arūnas. Situacijų identifikavimas įvairių paslaugų teikimui kooperatyviuose automobilių komunikacijos tinkluose // XVI kompiuterininkų konferencijos mokslo darbai. Vilnius : Žara, 2013. ISBN 9789986342939. p. 48-58. Prieiga per internetą: <<http://www.zara.lt/e-knygos/e-KoDi-2013-MD.pdf>>. [0,333].

[Contribution in the group: 1,950]

### Other periodicals, onetime paper collections, etc.

1. Jukna, Stasys. Computational complexity of graphs // Advances in network complexity / Editors: Matthias Dehmer, Abbe Mowshowitz, Frank Emmert-Streib. Wiley-Blackwell, 2013. ISBN 9783527332915. p. 99-153. Prieiga per internetą: <<http://www.thi.informatik.uni-frankfurt.de/~jukna/ftp/graph-compl.pdf>>. [1,000].
2. Kurmis, Mindaugas; Andziulis, Arūnas; Dzemydienė, Dalė; Jakovlev, Sergey; Voznak, Miroslav; Drungilas, Darius. Development of the real time situation identification model for adaptive service support in vehicular communication networks domain // Advances in

- electrical and electronic engineering. Ostrava : Vysoka Skola Banska \* Technicka Univerzita Ostrava. ISSN 1336-1376. 2013, vol. 11, no. 5: special issue, p. 342-348. Prieiga per internetą: < <http://advances.utc.sk/index.php/AEEE/article/view/882> >. [EBSCOhost; Electronics and communications abstracts; 0,167].
3. Miliauskaitė, Jolanta; Čaplinskas, Albertas. Kai kurie magistrantų ir doktorantų literatūros apžvalgų rašymo metodiniai aspektai // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. B, p. 155-160. Prieiga per internetą: < [ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_B/MAT\\_ir\\_INF\\_DESTYMA\\_S,%20MAT ISTORIJA/Miliauskaite\\_Caplinskas.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_B/MAT_ir_INF_DESTYMA_S,%20MAT ISTORIJA/Miliauskaite_Caplinskas.pdf) >. [1,000].
  4. Paliulionienė, Laima. On description of contracts and agreements in the context of SOA // Computational science and techniques. Klaipėda : Klaipėdos universitetas. ISSN 2029-9966. 2013, vol. 1, no 2, p. 171-183. Prieiga per internetą: < <http://journals.ku.lt/index.php/CST/article/view/88> >. [1,000].
  5. Alonderis, Romas; Pliuškevičius, Regimantas Ričardas. Sequent systems for PLTL // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. A, p. 1-5. Prieiga per internetą: < [ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_A/MATHEMATICS/Alonderis\\_Pliuskevicius.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_A/MATHEMATICS/Alonderis_Pliuskevicius.pdf) >. [1,000].
  6. Girčys, Aurimas Paulius; Pliuškevičius, Regimantas Ričardas. Two complete finitary sequent calculi for reflexive common knowledge // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. A, p. 12-15. Prieiga per internetą: < [ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_A/MATHEMATICS/Gircys\\_Pliuskevicius.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_A/MATHEMATICS/Gircys_Pliuskevicius.pdf) >. [1,000].

[Contribution in the group: 5,167]

## OTHER PUBLICATIONS

1. Vsemirnov, M.A.; Hirch, E.A.; Grigorjev, D.Yu.; Dantsin, E.Ya.; Zaslavskii, I.D.; Karavaev, E.F.; Konev, B.Yu.; Kossovskii, N.K.; Lifschitz, V.A.; Margenstern, M.; Matiyasevich, Yu.V.; Mints, G.E.; Orevkov, V.P.; Pliuškevičius, Regimantas Ričardas; Slisenko, A.O.; Solovjev, S.V.; Chernov, V.P.. Nikolai Aleksandrovich Shanin (obituary) // Russian mathematical surveys. London : Turpion Ltd. ISSN 0036-0279. 2013, vol. 68, no 4, p. 763-767. [0,059].
2. Vaira, Žilvinas. Aspektinio projektavimo šablonų tyrimas, tobulinimas ir kūrimas = : Investigation, improvement and development of aspect-oriented design patterns: daktaro disertacijos santrauka : fiziniai mokslai, informatikos inžinerija (07 T). Vilnius, 2013. 30 p.. [1,000].
3. Dzindzalieta, Ramūnas. Development of a system for monitoring of the moving objects by using the session initiation protocol = Judančių objektų stebėsenos ir būklės vertinimo sistemos išvystymas taikant sesijos inicijavimo protokolą : daktaro disertacijos santrauka : technologijos mokslai, informatikos inžinerija (07 T). Vilnius, 2013. 23 p.. [1,000].

[Contribution in the group: 2,059]

# STOCHASTIC PROCESSES DEPARTMENT

## SCIENTIFIC PUBLICATIONS MONOGRAPH

1. Grigelionis, Bronius. Student's t-distribution and related stochastic processes. Heidelberg : Springer, 2012. XI, 100 p. ISBN 9783642311451. Prieiga per internetą: <<http://link.springer.com/book/10.1007/978-3-642-31146-8/page/1>>. [1,000].

## PAPERS

### Thomson Reuters Master Journal List publications

1. Yang, Yang; Wang, Kaiyong; Leipus, Remigijus; Šiaulys, Jonas. A note on the max-sum equivalence of randomly weighted sums of heavy-tailed random variables // Nonlinear analysis : modelling and control. Vilnius : Institute of Mathematics and Informatics. ISSN 1392-5113. 2013, vol. 18, no. 4, p. 519-525. Prieiga per internetą: <[http://www.mii.lt/na/issues/NA\\_1804/NA18408.pdf](http://www.mii.lt/na/issues/NA_1804/NA18408.pdf)>. [Science Citation Index Expanded (ISI Web of Science); INSPEC.; Zentralblatt MATH.; VINITI; 0,433].
2. Leipus, Remigijus; Surgailis, Donatas. Asymptotics of partial sums of linear processes with changing memory parameter // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2013, vol. 53, no. 2, p. 196-219. Prieiga per internetą: <<http://link.springer.com/content/pdf/10.1007%2Fs10986-013-9203-y.pdf>>. [Science Citation Index Expanded (Web of Science); SpringerLink; CIS (Current index to statistics); Mathematical Reviews; Zentralblatt MATH; 1,000].
3. Lavancier, Frédéric; Leipus, Remigijus; Philippe, Anne; Surgailis, Donatas. Detection of nonconstant long memory parameter // Econometric theory. Cambridge : Cambridge University Press. ISSN 0266-4666. 2013, Vol. 29, no. 5, p. 1009-1056. [Science Citation Index Expanded (Web of Science); MatSciNet; ABI/INFORM; 0,707].
4. Astrauskas, Arvydas. Extremal theory for spectrum of random discrete Schrödinger operator. III. Localization properties // Journal of statistical physics. New York : Springer. ISSN 0022-4715. 2013, Vol. 150, iss. 5, p. 889-907. Prieiga per internetą: <<http://link.springer.com/article/10.1007/s10955-012-0669-5/fulltext.html>>. [Science Citation Index Expanded (ISI Web of Science); Scopus; INSPEC; Zentralblatt MATH; 1,000].
5. Koul, Hira L.; Mimoto, Nao; Surgailis, Donatas. Goodness-of-fit tests for long memory moving average marginal density // Metrika. Heidelberg : Springer. ISSN 0026-1335. 2013, vol. 76, iss. 2, p. 205-224. Prieiga per internetą: <[http://download.springer.com/static/pdf/552/art%253A10.1007%252Fs00184-012-0383-y.pdf?auth66=1387351608\\_78d1669e839e0c2526dfb9c4caf04e2f&ext=.pdf](http://download.springer.com/static/pdf/552/art%253A10.1007%252Fs00184-012-0383-y.pdf?auth66=1387351608_78d1669e839e0c2526dfb9c4caf04e2f&ext=.pdf)>. [ISI Web of Science; SpringerLINK; IBZ - Internationale Bibliographie der Geistes- und Sozialwissenschaftlichen Zeitschriftenliteratur; MathSciNET; PubMed; Econlit; Zentralblatt MATH; 0,471].
6. Dubickas, Artūras. Linear forms in monic integer polynomials // Canadian mathematical bulletin. Toronto : University of Toronto Press. ISSN 0008-4395. 2013, vol. 56, no. 3, p. 510-519. [Science Citation Index Expanded (ISI Web of Science); MatSciNet; Zentralblatt MATH; Current Index to Statistics; Scopus; 1,000].
7. Bardet, Jean Marc; Surgailis, Donatas. Moment bounds and central limit theorems for Gaussian subordinated arrays // Journal of multivariate analysis. Maryland Heights : Academic Press. ISSN 0047-259X. 2013, vol. 114, p. 457-473. Prieiga per internetą: <<http://ac.els-cdn.com/S0047259X1200200X/1-s2.0-S0047259X1200200X-main.pdf?tid=9e68006e-6626-11e3-8f1d->>

- [0000aab0f01&acdnat=1387180360\\_7cf1fdb344b7b1a0bddf3acb5ec8395](http://0000aab0f01.acdnat=1387180360_7cf1fdb344b7b1a0bddf3acb5ec8395) >. [Science Citation Index Expanded (Web of Science); Science Direct; ERIC; MatSciNet; INSPEC; Scopus; CABI Abstracts Databases; ProQuest; 0,707].
8. Bardet, Jean Marc; Surgailis, Donatas. Nonparametric estimation of the local Hurst function of multifractional Gaussian processes // Stochastic processes and their applications. Amsterdam : Elsevier BV \* North-Holland. ISSN 0304-4149. 2013, Vol. 123, iss. 3, p. 1004-1045. Prieiga per internetą: < [http://ac.els-cdn.com/S0304414912002499/1-s2.0-S0304414912002499-main.pdf?tid=e5a587c8-6624-11e3-84e5-0000aacb35d&acdnat=1387179621\\_22c6118443e10291b4a741da30581428](http://ac.els-cdn.com/S0304414912002499/1-s2.0-S0304414912002499-main.pdf?tid=e5a587c8-6624-11e3-84e5-0000aacb35d&acdnat=1387179621_22c6118443e10291b4a741da30581428) >. [Science Citation Index Expanded (Web of Science); Science Direct; MatSciNet; Scopus; Zentralblatt MATH; INSPEC; 0,707].
  9. Paulauskas, Vygantas; Vaičiulis, Marijus. On an improvement of Hill and some other estimators // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2013, Vol. 53, no. 3, p. 336-355. Prieiga per internetą: < [http://download.springer.com/static/pdf/361/art%253A10.1007%252Fs10986-013-9212-x.pdf?auth66=1384673057\\_c809abdd375ea8a65ea45a0355a51b2a&ext=.pdf](http://download.springer.com/static/pdf/361/art%253A10.1007%252Fs10986-013-9212-x.pdf?auth66=1384673057_c809abdd375ea8a65ea45a0355a51b2a&ext=.pdf) >. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.; 0,500].
  10. Dubickas, Artūras; Puriuškis, Gintaras. On the minimum of certain functional related to the Schrödinger equation // Electronic journal of qualitative theory of differential equations. Szeged : Szegedi Tudományegyetem. ISSN 1417-3875. 2013, no 8, p. [1-21]. Prieiga per internetą: < <http://www.math.u-szeged.hu/ejqtde/p1828.pdf> >. [Science Citation Index Expanded (ISI Web of Science); MatSciNet; Zentralblatt MATH; Academic Search Premier (EBSCO); Scopus; 0,500].
  11. Yang, Yang; Leipus, Remigijus; Šiaulys, Jonas. Precise large deviations for actual aggregate loss process in a dependent compound customer-arrival-based insurance risk model // Lithuanian mathematical journal. New York : Springer. ISSN 0363-1672. 2013, Vol. 53, no. 4, p. 448-470. Prieiga per internetą: < [http://download.springer.com/static/pdf/128/art%253A10.1007%252Fs10986-013-9221-9.pdf?auth66=1385108188\\_e776b741830cd102b802760b22bc054e&ext=.pdf](http://download.springer.com/static/pdf/128/art%253A10.1007%252Fs10986-013-9221-9.pdf?auth66=1385108188_e776b741830cd102b802760b22bc054e&ext=.pdf) >. [Science Citation Index Expanded (Web of Science).; SpringerLink.; CIS (Current index to statistics).; Mathematical Reviews.; Zentralblatt MATH.; 0,943].
  12. Dubickas, Artūras. Sums of primes and quadratic linear recurrence sequences // Acta Mathematica Sinica, English Series. Heidelberg : Springer. ISSN 1439-8516. 2013, vol. 29, no. 12, p. 2251-2260. Prieiga per internetą: < [http://download.springer.com/static/pdf/26/art%253A10.1007%252Fs10114-013-1059-x.pdf?auth66=1387452079\\_9ed540b03694524910e0beb15906ffaa&ext=.pdf](http://download.springer.com/static/pdf/26/art%253A10.1007%252Fs10114-013-1059-x.pdf?auth66=1387452079_9ed540b03694524910e0beb15906ffaa&ext=.pdf) >. [Science Citation Index Expanded (Web of Science); Academic Search Complete; Current Abstracts; Current Contents / Physical, Chemical & Earth Sciences (Thompson ISI); MatSciNet; Scopus; VINITI; 1,000].

[Contribution in the group: 8,968]

### Publications cited in an international databases (belonging to the list, which was approved by the Research Council of Lithuania)

1. Šiaulys, Jonas; Stepanauskas, Gediminas; Vasiliauskaitė, Laura. An explicit formula for the greatest common divisor of three integers // Šiauliai mathematical seminar / Šiauliai University. Šiauliai : Šiaulių universiteto leidykla. ISSN 1822-511X. 2013, vol. 8, p. 261-265. [MatSciNet.; Zentralblatt MATH.; 0,333].
2. Dubickas, Artūras. Equal distances between equal sets of vertices in graphs // Šiauliai mathematical seminar / Šiauliai University. Šiauliai : Šiaulių universiteto leidykla. ISSN

- 1822-511X. 2013, vol. 8, p. 37-47. Prieiga per internetą: <<http://siauliaims.su.lt/pdfai/2013/Dubi-2013.pdf>>. [MatSciNet.; Zentralblatt MATH.; 1,000].
3. Grigelionis, Bronius. On the nonlinear filtering equations for superprocesses in random environment // Prokhorov and contemporary probability theory. In Honor of Yuri V. Prokhorov / Editors: Albert N. Shiryaev, S. R. S. Varadhan, Ernst L. Presman. Ser. : Springer Proceedings in Mathematics & Statistics. Volume 33. ISSN 2194-1009. Berlin : Springer-Verlag, 2013. ISBN 9783642335488. p. 281-291. Prieiga per internetą: <[http://download.springer.com/static/pdf/657/chp%253A10.1007%252F978-3-642-33549-5\\_16.pdf?auth66=1385711898\\_b5ef8b26c648198789ded776dc2c8e67&ext=.pdf](http://download.springer.com/static/pdf/657/chp%253A10.1007%252F978-3-642-33549-5_16.pdf?auth66=1385711898_b5ef8b26c648198789ded776dc2c8e67&ext=.pdf)>. [SpringerLINK; 1,000].

[Contribution in the group: 2,333]

### **Other periodicals, onetime paper collections, etc.**

1. Račkauskas, Alfredas; Tamulis, Aurelijus. Modeling of gradual epidemic changes // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. A, p. 55-60. Prieiga per internetą: <[ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_A/MATHEMATICS/Rackauskas\\_Tamulis.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_A/MATHEMATICS/Rackauskas_Tamulis.pdf)>. [0,500].

## **OTHER PUBLICATIONS**

1. Puplinskaitė, Donata. Aggregation of autoregressive random fields and anisotropic long memory // German-Polish Joint Conference on Probability and Mathematical Statistics, Toruń, 6-9 June 2013 : book of abstracts and complete programme. Toruń : UMK, 2013. p. 152. [1,000].
2. Pulpinskaitė, Donata; Surgailis, Donatas; Philippe, Anne. Aggregation of triangular array of random-coecient AR(1) processes / joint work with D. Surgailis, A. Philippe // Nonstationarity and risk management : final workshop of the thematic cycle of the Institut des études avancées de l'Université de Cergy-Pontoise, 21-25 January, 2013. Cergy-Pontoise : Université de Cergy-Pontoise, 2013. p. 17-18. [0,333].
3. Leipus, Remigijus; Philippe, Anne. Detection of non-constant long memory parameter / joint work with Anne Philippe // Nonstationarity and risk management : final workshop of the thematic cycle of the Institut des études avancées de l'Université de Cergy-Pontoise, 21-25 January, 2013. Cergy-Pontoise : Université de Cergy-Pontoise, 2013. p. 15. [0,500].
4. Račkauskas, Alfredas. On a maximal increment of partial sums // CFE 2013 : 7th CSDA international conference on computational and financial econometrics and 6th international conference of the ERCIM working group on computational and methodological statistics, 14-16 December, 2013, London, UK : programme and abstracts. London : University of London, 2013. p. 179. Prieiga per internetą: <<http://www.cmstatistics.org/ERCIM2013/docs/BoA.pdf>>. [1,000].
5. Stepanauskas, Gediminas; Šiaulys, Jonas. On the limit distributions for some sets of additive arithmetic functions // Fifth international conference on analytic number theory and spatial tessellations, Kyiv, September 16-20, 2013 : abstracts. Kyiv, 2013. p. 33. [0,500].
6. Leipus, Remigijus; Lavancier, Frédéric; Philippe, Anne; Surgailis, Donatas. Partial-sum limits for linear processes with changing memory and applications // CFE 2013 : 7th CSDA international conference on computational and financial econometrics and 6th international conference of the ERCIM working group on computational and methodological statistics, 14-16 December, 2013, London, UK : programme and abstracts. London : University of London, 2013. p. 6. Prieiga per internetą: <<http://www.cmstatistics.org/ERCIM2013/docs/BoA.pdf>>. [0,500].

[Contribution in the group: 3,833]

---

## SYSTEM ANALYSIS DEPARTMENT

### SCIENTIFIC PUBLICATIONS MONOGRAPH

1. Dzemyda, Gintautas; Kurasova, Olga; Žilinskas, Julius. Multidimensional data visualization: methods and applications. New York : Springer, 2013. XII, 250 p. ISBN 9781441902351. [0,667].

### PAPERS

#### Thomson Reuters Master Journal List publications

1. Žilinskas, Antanas; Žilinskas, Julius. A hybrid global optimization algorithm for non-linear least squares regression // Journal of global optimization. New York : Springer New York LLC. ISSN 0925-5001. 2013, vol. 56, no.2, p. 265-277. Prieiga per internetą: <[http://download.springer.com/static/pdf/270/art%253A10.1007%252Fs10898-011-9840-9.pdf?auth66=1383910625\\_0abddff1aee893bc956a7b01d614f470&ext=.pdf](http://download.springer.com/static/pdf/270/art%253A10.1007%252Fs10898-011-9840-9.pdf?auth66=1383910625_0abddff1aee893bc956a7b01d614f470&ext=.pdf)>. [Science Citation Index Expanded (Web of Science); SpringerLINK; Compendex; Current Abstracts; TOC Premier; VINITI; 0,500].
2. Lupeikienė, Audronė; Miliauskaitė, Jolanta; Čaplinskas, Albertas. A model of view-based enterprise business service quality evaluation framework // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2013, vol. 24, no. 4, p. 543-560. Prieiga per internetą: <<http://www.mii.lt/informatica/pdf/INFO1010.pdf>>. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.; 1,000].
3. Kriukienė, Edita; Labrie, Viviane; Khare, Tarang; Urbanavičiūtė, Giedrė; Lapinaite, Audronė; Koncevičius, Karolis; Li, Daofeng; Wang, Ti; Pai, Shraddha; Ptak, Carolyn; Gordevičius, Juozas; Wang, Sun-Chong; Petronis, Artūras; Klimašauskas, Saulius. DNA unmethylome profiling by covalent capture of CpG sites // Nature communications. London : Nature Publishing Group. ISSN 2041-1723. 2013, vol. 4, Art. no. 2190 (10 p.). [Science Citation Index Expanded (ISI Web of Science); Biological Abstracts (Thompson ISI); Medline; INSPEC; EMBASE; Scopus; 0,160].
4. Bilinskas, Mykolas Jurgis; Grigelionis, Ignas; Janulis, Mindaugas.; Juodagalvis, Andrius. Interpretation of searches for supersymmetry with simplified models / S. Chatrchyan et al; CMS Collaboration [from Lithuania: M.J. Bilinskas, I. Grigelionis, M. Janulis, A. Juodagalvis] // Physical review. D. College Park : American Physical Society. ISSN 1550-7998. 2013, Vol. 88, no. 5, Art. no. 052017. Prieiga per internetą: <<http://prd.aps.org/pdf/PRD/v88/i5/e052017>>. [Science Citation Index Expanded (Web of Science); Chemical Abstracts; GeoRef; INSPEC; MatSciNet; MEDLINE; 0,250].
5. Pragarauskaitė, Julija; Dzemyda, Gintautas. Markov models in the analysis of frequent patterns in financial data // Informatica / Matematikos ir informatikos institutas. Vilnius : Lietuvos mokslų akademijos leidykla. ISSN 0868-4952. 2013, vol. 24, no. 1, p. 87-102. Prieiga per internetą: <<http://www.mii.lt/informatica/pdf/INFO906.pdf>>. [Science Citation Index Expanded (ISI Web of Science).; Current Abstracts (EBSCO).; INSPEC.; TOC Premier (EBSCO).; VINITI.; Zentralblatt MATH.; 1,000].
6. Garliauskas, Algimantas. Mean field modeling of the FitzHugh-Nagumo Neuronal network model with kernel functions and time-delayed couplings // Informatica / Matematikos ir informatikos

- institutas. Vilnius : Lietuvos mokslo akademijos leidykla. ISSN 0868-4952. 2013, vol. 24, no. 3, p. 395-411. Prieiga per internetą: < <http://www.mii.lt/informatica/pdf/INFO1001.pdf> >. [Science Citation Index Expanded (ISI Web of Science); Current Abstracts (EBSCO); INSPEC; TOC Premier (EBSCO); VINITI; Zentralblatt MATH.; 1,000].
7. Bilinskas, Mykolas Jurgis; Grigelionis, Ignas; Janulis, Mindaugas.; Juodagalvis, Andrius. Measurement of the Y(1S), Y(2S), and Y(3S) cross sections in pp collisions at  $\sqrt{s} = 7$  TeV / CMS Collaboration [from Lithuania: M.J.Bilinskas, I.Grigelionis, M.Janulis, A.Juodagalvis] // Physics letters. B. Amsterdam : Elsevier Science BV. ISSN 0370-2693. 2013, vol. 727, no 1-3, p. 101-125. Prieiga per internetą: < [http://ac.els-cdn.com/S0370269313008393/1-s2.0-S0370269313008393-main.pdf?tid=0de2401c-7775-11e3-845c-0000aab0f6b&acdnat=1389083218\\_16b31006d0f6d5ebd98f2e41c2ecfe8b](http://ac.els-cdn.com/S0370269313008393/1-s2.0-S0370269313008393-main.pdf?tid=0de2401c-7775-11e3-845c-0000aab0f6b&acdnat=1389083218_16b31006d0f6d5ebd98f2e41c2ecfe8b) >. [Science Citation Index Expanded (Web of Science); INSPEC; MatSciNet; Scopus; Zentralblatt MATH; 0,250].
  8. Varoneckas, Audrius; Žilinskas, Antanas; Žilinskas, Julius. Multi-objective optimization aided to allocation of vertices in aesthetic drawings of special graphs // Nonlinear analysis : modelling and control. Vilnius : Institute of Mathematics and Informatics. ISSN 1392-5113. 2013, vol. 18, no. 4, p. 476-492. Prieiga per internetą: < [http://www.mii.lt/na/issues/NA\\_1804/NA18406.pdf](http://www.mii.lt/na/issues/NA_1804/NA18406.pdf) >. [Science Citation Index Expanded (ISI Web of Science); INSPEC; Zentralblatt MATH; VINITI; 0,471].
  9. Minkevičius, Saulius. On the law of the iterated logarithm in multiserver open queueing networks // Stochastics: an international journal of probability and stochastic processes. Abingdon : Taylor & Francis. ISSN 1744-2508. 2013, vol, iss, p. Prieiga per internetą: < <http://www.tandfonline.com/doi/pdf/10.1080/17442508.2012.755625> >. [Science Citation Index Expanded (ISI Web of Science); MatSciNet.; Zentralblatt MATH.; Academic Search Complete; Scopus; 1,000].
  10. Žilinskas, Antanas. On the worst-case optimal multi-objective global optimization // Optimization letters. Heidelberg : Springer. ISSN 1862-4472. 2013, Vol. 7, no 8, p. 1921-1928. Prieiga per internetą: < [http://download.springer.com/static/pdf/531/art%253A10.1007%252Fs11590-012-0547-8.pdf?auth66=1387100546\\_5aa2ecf24417651e329c613d993e5f19&ext=.pdf](http://download.springer.com/static/pdf/531/art%253A10.1007%252Fs11590-012-0547-8.pdf?auth66=1387100546_5aa2ecf24417651e329c613d993e5f19&ext=.pdf) >. [Science Citation Index Expanded (Web of Science); MathSciNET; Compendex; Scopus; Zentralblatt MATH; 1,000].
  11. Baronas, Romas; Kulys, Juozas; Žilinskas, Antanas; Lančinskas, Algirdas; Baronas, Darius. Optimization of the multianalyte determination with biased biosensor response // Chemometrics and intelligent laboratory systems. Amsterdam : Elsevier BV. ISSN 0169-7439. 2013, vol. 126, p. 108-116. Prieiga per internetą: < [http://ac.els-cdn.com/S016974391300097X/1-s2.0-S016974391300097X-main.pdf?tid=a7b0a9be-19f0-11e3-9b79-00000aacb35e&acdnat=1378800894\\_55eecb0457a2a30a80b734a4040aab8f](http://ac.els-cdn.com/S016974391300097X/1-s2.0-S016974391300097X-main.pdf?tid=a7b0a9be-19f0-11e3-9b79-00000aacb35e&acdnat=1378800894_55eecb0457a2a30a80b734a4040aab8f) >. [Science Citation Index Expanded (ISI Web of Science); Current Index to Statistics; Academic Search Complete; GeoRef; INSPEC; Chimica; EMBASE; Scopus; 0,400].
  12. Bilinskas, Mykolas Jurgis; Grigelionis, Ignas; Janulis, Mindaugas.; Juodagalvis, Andrius. Search for narrow resonances using the dijet mass spectrum in pp collisions at  $\sqrt{s} = 8$  TeV / S. Chatrchyan et al; CMS Collaboration [from Lithuania: M.J. Bilinskas, I. Grigelionis, M. Janulis, A. Juodagalvis] // Physical review. D. College Park : American Physical Society. ISSN 1550-7998. 2013, Vol. 87, no. 11, Art. no. 114015. Prieiga per internetą: < <http://prd.aps.org/pdf/PRD/v87/i11/e114015> >. [Science Citation Index Expanded (Web of Science); Chemical Abstracts; GeoRef; INSPEC; MatSciNet; MEDLINE; 0,250].
  13. Jakaitienė, Audronė; Klyvienė, Violeta. Tax elasticities - factors causing fluctuations in the short and long run, the case of Lithuania // Transformations in business and economics / Vilnius University. Kaunas Faculty of Humanities, Brno University of Technology. Faculty

- of Business and Management, University of Latvia. Faculty of Management and Economics. Vilnius : Vilniaus universiteto leidykla. ISSN 1648-4460. 2013, Vol. 12, no. 1, p. 220-237. [Science Citation Index Expanded (Web of Science).; Social Sciences Citation Index (Thompson ISI).; IBSS.; Econlit.; e-JEL.; 0,500].
14. Kurasova, Olga; , Petkus Tomas; Filatovas, Ernestas. Visualization of Pareto front points when solving multi-objective optimization problems // Information technology and control / Kauno technologijos universitetas. Kaunas : Technologija. ISSN 1392-124X. 2013, t. 42, no. 4, p. 353-361. [Science Citation Index Expanded (Web of Science).; INSPEC.; VINITI.; 1,155]. [Contribution in the group: 8,936]

#### **Other Thomson Reuters Web of Science [ISI Proceedings, etc.] publications**

1. Savulionienė, Loreta; Sakalauskas, Leonidas. Modified stochastic algorithm for mining frequent subsequences // Information and software technologies : 19th international conference, ICIST 2013, Kaunas, Lithuania, October 2013 : proceedings / edited by Tomas Skersys, Rimantas Butleris, Rita Butkienė. Series : Communications in computer and information science. Vol. 319 (ISSN 1865-0929). Berlin : Springer, 2013. ISBN 9783642419461. p. 222-235. Prieiga per internetą: < [http://download.springer.com/static/pdf/964/chp%253A10.1007%252F978-3-642-41947-8\\_19.pdf?auth66=1384343385\\_240a5b327f2ca061878b3d3f55b10700&ext=.pdf](http://download.springer.com/static/pdf/964/chp%253A10.1007%252F978-3-642-41947-8_19.pdf?auth66=1384343385_240a5b327f2ca061878b3d3f55b10700&ext=.pdf) >. [MatSciNet; Scopus; Springer Link; Conference Proceedings Citation Index; 1,000].
2. Žilinskas, Antanas. On two approaches to constructing optimal algorithms for multi-objective optimization // Information and software technologies : 19th international conference, ICIST 2013, Kaunas, Lithuania, October 2013 : proceedings / edited by Tomas Skersys, Rimantas Butleris, Rita Butkienė. Series : Communications in computer and information science. Vol. 319 (ISSN 1865-0929). Berlin : Springer, 2013. ISBN 9783642419461. p. 236-248. Prieiga per internetą: < [http://download.springer.com/static/pdf/986/chp%253A10.1007%252F978-3-642-41947-8\\_20.pdf?auth66=1387106988\\_bfa96c69864077d8b13df8fe519b4da5&ext=.pdf](http://download.springer.com/static/pdf/986/chp%253A10.1007%252F978-3-642-41947-8_20.pdf?auth66=1387106988_bfa96c69864077d8b13df8fe519b4da5&ext=.pdf) >. [MatSciNet; Scopus; Springer Link; Conference Proceedings Citation Index; 1,000].

[Contribution in the group: 2,000]

#### **Publications cited in an international databases (belonging to the list, which was approved by the Research Council of Lithuania)**

1. Minkevičius, Saulius. About cumulative idle time model of the message switching system // CUBO : a mathematical journal. Temuco : Universidad de La Frontera. ISSN 0716-7776. 2013, vol. 15, no. 2, p. 53-63. [MatSciNet; Zentralblatt MATH; 1,000].
2. Lapin, Kristina; Dapkūnas, Sigitas. Duomenų apdorojimas ir vizualizavimas mobiliuosiuose įrenginiuose // Informacijos mokslai / Vilniaus universitetas. Vilnius : Vilniaus universiteto leidykla. ISSN 1392-0561. 2013, t. 65, p. 75-84. Prieiga per internetą: < <http://www.vu.lt/leidyba/dokumentai/zurnalai/INFORMACIJOS%20MOKSLAI/Informacijos%20mokslai%202013%2065/75-84.pdf> >. [CEEOL.; LISA.; 1,000].
3. Kurasova, Olga; Marcinkevičius, Virginijus; Medvedev, Viktor; Rapečka, Aurimas. Duomenų tyrybos sistemos, pagrįstos saityno paslaugomis // Informacijos mokslai / Vilniaus universitetas. Vilnius : Vilniaus universiteto leidykla. ISSN 1392-0561. 2013, t. 65, p. 66-74. Prieiga per internetą: < <http://www.vu.lt/leidyba/dokumentai/zurnalai/INFORMACIJOS%20MOKSLAI/Informacijos%20mokslai%202013%2065/66-74.pdf> >. [CEEOL.; LISA.; 1,000].
4. Paulauskiene, Kotryna; Kurasova, Olga. Duomenų tyrybos sistemų galimybių tyrimas įvairių apimčių duomenims analizuoti // Informacijos mokslai / Vilniaus universitetas. Vilnius :

- Vilniaus universiteto leidykla. ISSN 1392-0561. 2013, t. 65, p. 85-95. [CEEOL.; LISA.; 1,000].
5. Bazilevičius, Gediminas. Mobiliosios duomenų tyrybos paslaugų analizė // Informacijos mokslai / Vilniaus universitetas. Vilnius : Vilniaus universiteto leidykla. ISSN 1392-0561. 2013, t. 65, p. 96-102. [CEEOL.; LISA.; 1,000].
  6. Mockus, Jonas; Katin, Igor; Katina, Joana. On the experimental investigation of investment strategies in the real and virtual financial markets // Informacijos mokslai / Vilniaus universitetas. Vilnius : Vilniaus universiteto leidykla. ISSN 1392-0561. 2013, t. 65, p. 103-110. [CEEOL.; LISA.; 1,000].
  7. Rapečka, Aurimas; Marcinkevičius, Virginijus; Dzemyda, Gintautas. Rekomendacinės sistemos algoritmų veikimo elektroninio knygyno duomenų bazėje analizė // Informacijos mokslai / Vilniaus universitetas. Vilnius : Vilniaus universiteto leidykla. ISSN 1392-0561. 2013, t. 65, p. 45-55. [CEEOL.; LISA.; 1,000].
  8. Tautvydas, Kęstutis; Treigys, Povilas; Marcinkevičius, Virginijus. Saityno paslaugų SOAP ir ODATA protokolų tyrimas // Mokslo taikomųjų tyrimų įtaka šiuolaikinių studijų kokybei : 6-osios respublikinės mokslinės-praktinės konferencijos mokslinių straipsnių rinkinys. Vilnius : Vilniaus kolegija, 2013. ISSN 2029-2279. p. 103-107. [Index Copernicus; 0,667].
  9. Savulioniene, Loreta. Stochastic modifikuotas dažnų posekių paieškos algoritmas // Mokslo taikomųjų tyrimų įtaka šiuolaikinių studijų kokybei : 6-osios respublikinės mokslinės-praktinės konferencijos mokslinių straipsnių rinkinys. Vilnius : Vilniaus kolegija, 2013. ISSN 2029-2279. p. 80-89. [Index Copernicus; 1,000].
  10. Stefanovič, Pavel; Kurasova, Olga. Tekstinių dokumentų panašumų paieška naudojant saviorganizuojančius neuroninius tinklus ir k vidurkių metodą // Informacijos mokslai / Vilniaus universitetas. Vilnius : Vilniaus universiteto leidykla. ISSN 1392-0561. 2013, t. 65, p. 24-33. Prieiga per internetą: <<http://www.vu.lt/leidyba/dokumentai/zurnalai/INFORMACIJOS%20MOKSLAI/Informacijos%20mokslai%202013%2065/24-33.pdf>>. [CEEOL.; LISA.; 1,000].

[Contribution in the group: 9,667]

### Conference proceedings

1. Niakšu, Olegas. Calculating distance measure for clustering in multi-relational settings // IS2013 : 16th international multiconference information society. Vol. A. Ljubljana, 2013. p. Prieiga per internetą: <<http://ailab.ijs.si/dunja/SiKDD2013/Papers/Niaksu%20-%20Calculating%20distance%20measure%20for%20MRDM%20clustering.pdf>>. [1,000].
2. Bernatavičienė, Jolita; Bazilevičius, Gediminas; Dzemyda, Gintautas; Medvedev, Viktor. Comparative analysis of similarity measures for medical streaming data // Computer data analysis and modeling: theoretical and applied stochastics : proceedings of the 10th international conference, Minsk, September 10-14. Vol. 1. Minsk : Publishing center of BSU, 2013. ISBN 9789855531372. p. 17-20. Prieiga per internetą: <<http://elib.bsu.by/bitstream/123456789/51926/1/17-20.pdf>>. [1,000].
3. Karbauskaitė, Rasa; Dzemyda, Gintautas. Investigation of the maximum likelihood estimator of intrinsic dimensionality // Computer data analysis and modeling: theoretical and applied stochastics : proceedings of the 10th international conference, Minsk, September 10-14. Vol. 2. Minsk : Publishing center of BSU, 2013. ISBN 9789855531389. p. 110-113. Prieiga per internetą: <<http://elib.bsu.by/bitstream/123456789/52060/1/110-113.pdf>>. [1,000].
4. Belovas, Igoris; Starikovičius, Vadimas. Mixed-stable modeling of high-frequency financial data: parallel computing approach // Computer data analysis and modeling: theoretical and applied stochastics : proceedings of the 10th international conference, Minsk, September 10-14. Vol. 2. Minsk : Publishing center of BSU, 2013. ISBN 9789855531389. p. 148-151.

- Prieiga per internetą: < <http://elib.bsu.by/bitstream/123456789/52081/1/148-151.pdf> >. [0,500].
5. Baronas, Romas; Baronas, Darius. Modeling and simulation of amperometric biosensors acting in flow injection analysis // The 25th European Modeling & Simulation Symposium (Simulation in Industry), 25 - 27 September, Athens, Greece : proceedings. Athens, 2013. ISBN 9788897999225. p. 107-114. [0,500].
  6. Savulionienė, Loreta; Sakalauskas, Leonidas. Modifikuoto stochastinio dažnų posekių paieškos algoritmo tikimybinės charakteristikos // XVI kompiuterininkų konferencijos mokslo darbai. Vilnius : Žara, 2013. ISBN 9789986342939. p. 75-87. Prieiga per internetą: < <http://www.zara.lt/e-knygos/e-KoDi-2013-MD.pdf> >. [1,000].
  7. Vysockytė, Julija; Lapin, Kristina. Mokymasis trimačiuose virtualiuosiuose pasaulyuose // XVI kompiuterininkų konferencijos mokslo darbai. Vilnius : Žara, 2013. ISBN 9789986342939. p. 115-124. Prieiga per internetą: < <http://www.zara.lt/e-knygos/e-KoDi-2013-MD.pdf> >. [0,500].
  8. Meškauskas, Tadas; Ivanauskas, Feliksas; Laurinavičius, Valdas Stanislovas. Numerical modeling of multilayer biosensor with degrading substrate and product // EUROSIM 2013 : proceedings of the 8th EUROSIM congress on modelling and simulation: Cardiff, Wales, United Kingdom, 10-13 September 2013 / Edited by: Khalid Al-Begain, David Al-Dabass, Alessandra, Orsoni, Richard Cant, Richard Zobel [elektroninis išteklius (CD-ROM)]. Cardiff : The Institute of Electrical and Electronics, 2013. ISBN 9780769550732. p. 24-29. [0,333].
  9. Žilinskas, Antanas. On statistical models based multi-objective optimization // Computer data analysis and modeling: theoretical and applied stochastics : proceedings of the 10th international conference, Minsk, September 10-14. Vol. 2. Minsk : Publishing center of BSU, 2013. ISBN 9789855531389. p. 90-93. Prieiga per internetą: < <http://elib.bsu.by/bitstream/123456789/52053/1/90-93.pdf> >. [1,000].
  10. Sakalauskas, Leonidas; Kalsytė, Živilė; Vaičiulytė, Ingrida; Kupčiūnas, Irmantas. The application of stable and skew t-distributions in predicting the change in accounting and governance risk ratings // ECT-2013: electrical and control technologies : the 8th International Conference on Electrical and Control Technologies : selected papers / Kaunas University of Technology. Kaunas : Technologija, 2013. ISSN 1822-5934. p. 53-58. [0,500].

[Contribution in the group: 7,333]

#### **Other periodicals, onetime paper collections, etc.**

1. Belovas, Igoris; Starikovičius, Vadimas. Mixed-stable modelling of high-frequency financial data using parallel computing // HPC-Europa2 : Pan-European research infrastructure for high performance computing : Mathematics 2012. CINECA, 2012. p. [1-2]. Prieiga per internetą: < [http://www.hpc-europa.eu/files/2012/Math\\_1020\\_STARIKOVICIUS%20Vadimas.pdf](http://www.hpc-europa.eu/files/2012/Math_1020_STARIKOVICIUS%20Vadimas.pdf) >. [0,500].
2. Belovas, Igoris; Starikovičius, Vadimas. Parallel calculations of zeta-functions values: modified Borwein's algorithm // HPC-Europa2 : Pan-European research infrastructure for high performance computing : Mathematics 2012. CINECA, 2012. p. [1-3]. Prieiga per internetą: < [http://www.hpc-europa.eu/files/2012/Math\\_1011\\_BELOVAS%20Igoris.pdf](http://www.hpc-europa.eu/files/2012/Math_1011_BELOVAS%20Igoris.pdf) >. [0,500].
3. Niakšu, Olegas; Gedminaitė, Jurgita; Kurasova, Olga. Data mining approach to predict BRCA1 gene mutation // Computational science and techniques. Klaipėda : Klaipėdos universitetas. ISSN 2029-9966. 2013, vol. 1, no 2, p. 167-182. Prieiga per internetą: < <http://journals.ku.lt/index.php/CST/article/view/82> >. [0,667].
4. Sakalauskas, Leonidas; Vaičiulytė, Ingrida. Daugiamatis retų įvykių tukimybių vertinimo algoritmas // Computational science and techniques. Klaipėda : Klaipėdos universitetas. ISSN 2029-9966. 2013, vol. 1, no 2, p. 222-228. Prieiga per internetą: < <http://journals.ku.lt/index.php/CST/article/view/93> >. [1,000].

5. Ringienė, Laura; Dzemyda, Gintautas. Daugiamatių duomenų požymių mažinimas naudojantis eksponentine koreliacine funkcija // Jaunujų mokslininkų psychologų darbai. Vilnius : Vilniaus universitetas. ISSN 2029-9958. 2013 nr. 1, p. 152-158. Prieiga per internetą: <[http://www.su.lt/bylos/mokslo\\_leidiniai/jmd/2013\\_1\\_39/ringiene\\_dzemyda.pdf](http://www.su.lt/bylos/mokslo_leidiniai/jmd/2013_1_39/ringiene_dzemyda.pdf)>. [1,000].
6. Mačys, Juozas Juvencijus; Sušinskas, Jurgis. Eilučių propedeutika mokykloje // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. B, p. 146-150. Prieiga per internetą: <[ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_B/MAT\\_ir\\_INF\\_DESTYMA\\_S.%20MAT ISTORIJA/Macys\\_Susinskas.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_B/MAT_ir_INF_DESTYMA_S.%20MAT ISTORIJA/Macys_Susinskas.pdf)>. [0,500].
7. Čyras, Vytautas; Lachmayer, Friedrich. Extended legal thesaurus: legal terms as a modally indifferent substrate // Jusletter IT [Elektroninis išteklius]. Bern : Weblaw. ISSN 1664-848X. 2013, 11 December, [9 p.]. [0,500].
8. Vaira, Gintaras; Kurasova, Olga. Genetic algorithms and VRP: the behaviour of a crossover operator // Baltic journal of modern computing. Riga : University of Latvia. ISSN 2255-8942. 2013, Vol. 1, no. 3-4, p. 178-202. [1,000].
9. Otera, Daniele Ettore. Geometry and topology of groups // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. A, p. 43-48. Prieiga per internetą: <[ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_A/MATHEMATICS/Otera.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_A/MATHEMATICS/Otera.pdf)>. [1,000].
10. Čyras, Vytautas; Lachmayer, Friedrich. Legal norms and legal institutions as a challenge for legal informatics // Positivität, Normativität und Institutionalität des Rechts: Festschrift für Werner Krawietz zum 80. Geburtstag. Berlin : Duncker & Humblot, 2013. ISBN 9783428142781. p. 581-592. [0,500].
11. Ringienė, Laura; Dzemyda, Gintautas. Multidimensional data visualization based on the exponential correlation function // Baltic journal of modern computing. Riga : University of Latvia. ISSN 2255-8942. 2013, Vol. 1, no. 1, p. 9-28. Prieiga per internetą: <[http://www.lu.lv/fileadmin/user\\_upload/lu\\_portal/projekti/bjmc/Contents/1\\_1-2\\_2\\_Ringiene.pdf](http://www.lu.lv/fileadmin/user_upload/lu_portal/projekti/bjmc/Contents/1_1-2_2_Ringiene.pdf)>. [1,000].
12. Mockus, Jonas; Sabaliauskas, Martynas. On the exact polynomial time algorithm for a special class of bimatrix game // Lietuvos matematikos rinkinys. LMD darbai. Vilnius : Matematikos ir informatikos institutas. ISSN 0132-2818. 2013, t. 54, ser. A, p. 85-90. Prieiga per internetą: <[ftp://ftp.science.mii.lt/pub/publications/LMR/54\(2013\)/Series\\_A/INFORMATICS/Mockus\\_Sabaliauskas.pdf](ftp://ftp.science.mii.lt/pub/publications/LMR/54(2013)/Series_A/INFORMATICS/Mockus_Sabaliauskas.pdf)>. [1,000].
13. Mockus, Jonas; Paulavičius, Remigijus. On the reduced-set Pareto-Lipschitzian optimization // Computational science and techniques. Klaipėda : Klaipėdos universitetas. ISSN 2029-9966. 2013, vol. 1, no. 2, p. 184-192. Prieiga per internetą: <<http://journals.ku.lt/index.php/CST/article/view/84>>. [0,500].

[Contribution in the group: 9,667]

## OTHER PUBLICATIONS

1. Vaira, Gintaras; Kurasova, Olga. A genetic algorithm based on insertion heuristics for solving the VRPTW // EUROINFORMS : 26th European conference on operational research : abstract book, Rome, 1-4 July, 2013. Roma : Sapienza University, 2013. p. 333. [1,000].
2. Filatovas, Ernestas.. A new strategy based on genetic algorithms for solving multiobjective problems interactively // EUROINFORMS : 26th European conference on operational research : abstract book, Rome, 1-4 July, 2013. Roma : Sapienza University, 2013. p. 93. [1,000].

3. Vaičiulytė, Ingrida. Application of skew t-distribution in the field of investors' preferences visualization // 13th International conference on stochastic programming : conference program and book of abstracts, Bergamo, Italy July 8-12, 2013 Bergamo, 2013. p. 101. [1,000].
4. Žilinskas, Antanas. Deterministic global optimization: geometric branch-and-bound methods and their applications : [recenzija] // Interfaces. Hanover : Informs. ISSN 0092-2102. 2013, Vol. 43, iss. 1: special issue, p. 105-106. [1,000].
5. Katin, Igor; Katina, Joana; Mockus, Jonas. Eksperimentinis investavimo strategijų modeliavimo ir investavimo tyrimas virtualiose ir realiose finansų rinkose // Fizinių ir technologijos mokslų tarpdalykiniai tyrimai : trečioji jaunųjų mokslininkų konferencija, Vilnius, 2013 02 12 : pranešimų tezės. Vilnius : LMA leidykla, 2013. [1,000].
6. Stefanovič, Pavel. Finding scientific article similarities by selforganizing maps // EUROINFORMS : 26th European conference on operational research : abstract book, Rome, 1-4 July, 2013. Roma : Sapienza University, 2013. p. 155. [1,000].
7. Bartkutė-Norkūnienė, Vaida. Investigation of global convergence properties of random search algorithms // EUROINFORMS : 26th European conference on operational research : abstract book, Rome, 1-4 July, 2013. Roma : Sapienza University, 2013. p. 139. [1,000].
8. Varoneckas, Audrius; Žilinskas, Antanas; Žilinskas, Julius. Multi-objective optimization aided drawing of special graphs // Numerical computations: theory and algorithms : proceedings of the international conference and summer school, June 17-23, 2013, Falerna, Italy / edited by Francesco Dell'Accio Dmitri E. Kvasov Yaroslav D. Sergeyev. Rende : University of Calabria, 2013. p. 139. Prieiga per internetą: <<http://wwwinfo.deis.unical.it/~yaro/numta2013/ProceedingsNUMTA2013.pdf>>. [0,667].
9. Žilinskas, Julius; Žilinskas, Antanas. On discrete representation of Pareto set in non-convex multi-objective optimization // Numerical computations: theory and algorithms : proceedings of the international conference and summer school, June 17-23, 2013, Falerna, Italy / edited by Francesco Dell'Accio Dmitri E. Kvasov Yaroslav D. Sergeyev. Rende : University of Calabria, 2013. p. 147. Prieiga per internetą: <<http://wwwinfo.deis.unical.it/~yaro/numta2013/ProceedingsNUMTA2013.pdf>>. [0,500].
10. Vaičiulytė, Ingrida. The assessment of multi-dimensional frequency by Monte-Carlo Markov chain approach // EUROINFORMS : 26th European conference on operational research : abstract book, Rome, 1-4 July, 2013. Roma : Sapienza University, 2013. p. 268. [1,000].
11. Čyras, Vytautas; Lachmayer, Friedrich. Towards multidimensional rule visualizations // Rules 2013 : [conference proceedings, Krakow, September 27-29th, 2013]. Krakow, 2013. p. [1-10]. Prieiga per internetą: <<http://78.9.96.254:5000/fbsharing/dV7FbgwL>>. [0,500].
12. Kurasova, Olga; Marcinkevičius, Virginijus; Medvedev, Viktor. Web service-based data mining systems // EUROINFORMS : 26th European conference on operational research : abstract book, Rome, 1-4 July, 2013. Roma : Sapienza University, 2013. p. 188. [1,000].

[Contribution in the group: 10,667]

## COMPUTER NETWORKS LABORATORY

### SCIENTIFIC PUBLICATIONS – PAPERS

#### Other Thomson Reuters Web of Science [ISI Proceedings, etc.] publications

1. Igumenov, Aleksandr; Žilinskas, Julius. Electrical energy aware parallel computing with MPI and CUDA // 3PGCIC 2013 : 8th international conference on P2P, parallel, grid, cloud and internet computing: proceedings, Compiegne, 2013-10-28, IEEE, 2013. ISBN 9780769550947. p. 531-536. [Conference Proceedings Citation Index; 0,500].