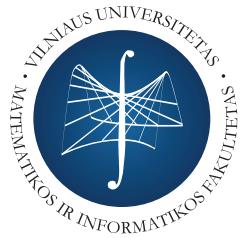


VILNIAUS UNIVERSITETAS  
MATEMATIKOS IR INFORMATIKOS FAKULTETAS



VILNIUS UNIVERSITY  
FACULTY OF MATHEMATICS AND INFORMATICS

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## Publications Report Year 2014

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Vilnius  
2015

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3. **Mindaugas Skujus**, *Asymptotic conditions at infinity for the time-periodic Stokes problem set in domains with cylindrical outlets to infinity*, advisor prof. Konstantinas Pileckas.

# PUBLICATIONS

## ARTICLES INCLUDED IN THOMSON REUTERS SCIENCE CITATION INDEX<sup>1</sup>

1. **Algirdas Ambrazevičius**, Solvability theorem for a mathematical bimolecular reaction model, *Acta Applicandae Mathematicae*, p. 17.
2. **Algirdas Ambrazevičius**, The reaction-diffusion problem with dynamical boundary condition, *Nonlinear Analysis: Theory, Methods & Applications*, 95, p. 568–579.
3. Tomas Anbinderis, Pijus Kasparaitis, Building text corpus for unit selection synthesis, *Informatica*, 25(4), p. 551–562.
4. Vytautas Ašeris, Romas Baronas, Evelina Gaidamauskaitė, Juozas Kulys, Modelling glucose dehydrogenase-based amperometric biosensor utilizing synergistic substrates conversion, *Electrochimica Acta*, 146, p. 752–758.
5. Vilijandas Bagdonavičius, Mikhail Nikulin, Goodness-of-fit tests for parametric nonhomogeneous Markov processes, *Metrika*, 77(1), p. 185–209.
6. Tatjana Bakšajeva, Eugenijus Manstavičius, On statistics of permutations chosen from the ewens distribution, *Combinatorics, Probability and Computing*, 23(6), p. 889–913.
7. Giedrė Balčiūnaitė, Alfredas Rudys, Neli Bičkauskaitė, Diana Zakarkaitė, Viktor Skorniakov, Jelena Čelutkienė, Aleksandras Laucevičius, Beneficial neurohumoral profile in left ventricular systolic dysfunction following acute myocardial infarction, *Central European Journal of Medicine*, 9(1), p. 64–73.
8. Pranas Baltrėnas, Raimondas Grubliauskas, Raimondas Jasevičius, Rimantas Kačianauskas, DEM simulation of the impact of ultrafine glass particles on the partition wall of the multi-channel cyclone, *Particulate Science and Technology*, 32(6), p. 576–587.
9. Cyril Banderier, Hsien-Kuei Hwang, Vlady Ravelomanana, Vytas Zacharovas, Analysis of an exhaustive search algorithm in random graphs and the  $n \log n$ -asymptotics, *SIAM Journal On Discrete Mathematics*, 28(1), p. 342–371.
10. Gintautas Bareikis, Algirdas Mačiulis, A sequence of distributions related to the divisor function, *Lithuanian Mathematical Journal*, 54(1), p. 1–7.
11. Romas Baronas, Juozas Kulys, Algirdas Lančinskas, Antanas Žilinskas, Effect of diffusion limitations on multianalyte determination from biased biosensor response, *Sensors*, 14(3), p. 4634–4656.
12. Romas Baronas, Karolis Petrauskas, Julija Razumienė, Dainius Šimelevičius, Computational modeling of mediator oxidation by oxygen in an amperometric glucose biosensor, *Sensors*, 14(2), p. 2578–2594.
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13. Giedrius Bernotavičius, Algimantas Juozapavičius, Ramūnas Markauskas, Kęstutis Saniukas, The recognition and modelling of a backbone and its deformity, *Nonlinear Analysis: Modelling and Control*, 19(1), p. 55–66.

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14. Mindaugas Bloznelis, Friedrich Gotze, Preferred attachment in affiliation networks, *Journal of Statistical Physics*, **156**(4), p. 800–821.
  15. Mindaugas Bloznelis, Katarzyna Rybarczyk, k-connectivity of uniform s-intersection graphs, *Discrete Mathematics*, **333**, p. 94–100.
  16. Eugenijus Buivydas, Antanas Laurinčikas, Renata Macaitienė, Jovita Rašytė, Discrete universality theorems for the Hurwitz zeta-function, *Journal of Approximation Theory*, **183**, p. 1–13.
  17. Vydas Čekanavičius, Aistė Elijo, Smoothing effect of compound Poisson approximations to the distributions of weighted sums, *Lithuanian Mathematical Journal*, **54**(1), p. 35–47.
  18. Vydas Čekanavičius, Julius Jonas Kruopis, Compound Poisson approximations for symmetric vectors, *Journal of Multivariate Analysis*, **123**, p. 30–42.
  19. Vaidotas Characiejus, Alfredas Račkauskas, Operator self-similar processes and functional central limit theorems, *Stochastic Processes and Their Applications*, **124**(8), p. 2605–2627.
  20. Regimantas Čiupaila, Mifodijus Sapagovas, Olga Štikonienė, On iterative methods for some elliptic equations with nonlocal conditions, *Nonlinear Analysis: Modelling and Control*, **19**(3), p. 517–535.
  21. Julius Damarackas, Vygantas Paulauskas, Properties of spectral covariance for linear processes with infinite variance, *Lithuanian Mathematical Journal*, **54**(3), p. 252–276.
  22. Julius Damarackas, Jonas Šiaulys, Bi-seasonal discrete time risk model, *Applied Mathematics and Computation*, **247**, p. 930–940.
  23. Youri Davydov, Vygantas Paulauskas, On the asymptotic form of convex hulls of Gaussian random fields, *Central European Journal of Mathematics*, **12**(5), p. 711–720.
  24. Artūras Dubickas, Jonas Jankauskas, On the fractional parts of powers of Pisot numbers of length at most 4, *Journal of Number Theory*, **144**, p. 325–339.
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  29. Artūras Dubickas, On the number of reducible polynomials of bounded naive height, *Manuscripta Mathematica*, **144**(3), p. 439–456.
  30. Artūras Dubickas, On the supremum of the representation function of a sumset, *Quaestiones Mathematicae*, **37**(1), p. 1–8.
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  32. Artūras Dubickas, When should a polynomial's root nearest to a real number be real itself?, *Saint Petersburg Mathematical Journal*, **25**(6), p. 919–928.
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36. Ramūnas Garunkštis, Jorn Steuding, On the roots of the equation  $\zeta(s) = a$ , *Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg*, 84(1), p. 1–15.
37. Peter Gray, Pranas Katauskis, Vladas Skakauskas, Alex Skvortsov, Modelling effects of internalized antibody: a simple comparative study, *Theoretical Biology and Medical Modelling*, 11(1), p. 1–16.
38. Jorgen Drud Hansen, Virmantas Kvedaras, Creative destruction and export patterns, *Journal of International Trade and Economic Development*, 23(8), p. 1–22.
39. Feliksas Ivanauskas, Pranas Katauskis, Valdas Stanislovas Laurinavičius, Mathematical modeling of biosensor action in the region between diffusion and kinetic modes, *Journal of Mathematical Chemistry*, 52(2), p. 689–702.
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42. Vytautas Jančauskas, Optimizing neighbourhood distances for a variant of fully-informed particle swarm algorithm, *Nature inspired cooperative strategies for optimization: learning, optimization and interdisciplinary applications*, 512, p. 217–229.
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47. Igor Katin, Joana Katina, Jonas Mockus, On the optimization of investment strategies in the context of virtual financial market by the individual approach to risk, *Informatica*, 25(2), p. 241–264.
48. Vytautas Kazakevičius, On ergodicity of general Markov chains, *Lithuanian Mathematical Journal*, 54(4), p. 429–446.
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58. Remigijus Leipus, Jonas Šiaulys, Yang Yang, Closure property and maximum of randomly weighted sums with heavy-tailed increments, *Statistics & Probability Letters*, 91, p. 162–170.  
 Algirdas Mačiulis, see [10].
59. Raimondas Malukas, Rimas Norvaiša, A central limit theorem for a weighted power variation of a Gaussian process, *Lithuanian Mathematical Journal*, 54(3), p. 323–344.  
 Eugenijus Manstavičius, see [6].  
 Ramūnas Markauskas, see [13].
60. Jurgita Markevičiūtė, Alfredas Račkauskas, Charles Suquet, Testing the epidemic change in nearly nonstationary autoregressive processes, *Nonlinear Analysis: Modelling and Control*, 19(1), p. 67–82.  
 Laimonas Meška, see [55].

61. Saulius Minkevičius, On the law of the iterated logarithm in multiserver open queueing networks, *Stochastics: an international journal of probability and stochastic processes*, 86(1), p. 46–59.
- Gediminas Murauskas, see [51].
- Rimas Norvaiša, see [59].
62. Jurij Novickij, Artūras Štikonas, On the stability of a weighted finite difference scheme for wave equation with nonlocal boundary conditions, *Nonlinear Analysis: Modelling and Control*, 19(3), p. 460–475.
- Aivaras Novikas, see [25].
63. Kliment Olechnovič, Česlovas Venclovas, The CAD-score web server: contact area-based comparison of structures and interfaces of proteins, nucleic acids and their complexes, *Nucleic Acids Research*, 42, p. 259–263.
64. Kliment Olechnovič, Česlovas Venclovas, The use of interatomic contact areas to quantify discrepancies between RNA 3D models and reference structures, *Nucleic Acids Research*, 42, p. 5407–5415.
65. Kliment Olechnovič, Česlovas Venclovas, Voronota: a fast and reliable tool for computing the vertices of the Voronoi diagram of atomic balls, *Journal of Computational Chemistry*, 35(8), p. 672–681.
66. Židrina Pabarškaitė, Aistis Raudys, Šarūnas Raudys, Sustainable economy inspired large-scale feed-forward portfolio construction, *Technological and economic development of economy = Ūkio technologinių ir ekonominis vystymas: Baltic journal on sustainability*, 20(1), p. 79–96.
67. Grigory Panasenko, Konstantinas Pileckas, Flows in a tube structure: Equation on the graph, *Journal of Mathematical Physics*, 55(8), 11 p.
68. Gailė Paukštaitė, Artūras Štikonas, Generalized Green's functions for the second-order discrete problems with nonlocal conditions, *Lithuanian Mathematical Journal*, 54(2), p. 203–219.
- Vygantas Paulauskas, see [21].
- Vygantas Paulauskas, see [23].
- Karolis Petrauskas, see [12].
69. Anne Philippe, Donata Puplinskaitė, Donatas Surgailis, Contemporaneous aggregation of triangular array of random-coefficient AR(1) processes, *Journal of Time Series Analysis*, 35(1), p. 16–39.
- Konstantinas Pileckas, see [49].
- Konstantinas Pileckas, see [50].
- Konstantinas Pileckas, see [67].
- Donata Puplinskaitė, see [69].
- Alfredas Račkauskas, see [19].
- Alfredas Račkauskas, see [60].
- Valdas Rapševičius, see [44].
- Aistis Raudys, see [66].
- Šarūnas Raudys, see [66].

70. **Svajūnas Sajavičius**, Radial basis function method for a multidimensional linear elliptic equation with nonlocal boundary conditions, *Computers and Mathematics with Applications*, 67(7), p. 1407–1420.
- Jonas Šiaulys**, see [22].
- Jonas Šiaulys**, see [58].
- Vladas Skakauskas**, see [37].
- Vladas Skakauskas**, see [46].
- Viktor Skorniakov**, see [7].
- Artūras Štikonas**, see [41].
- Artūras Štikonas**, see [62].
- Artūras Štikonas**, see [68].
- Olga Štikonienė**, see [20].
- Olga Štikonienė**, see [41].
71. Arūnas Tuzikas, Artūras Žukauskas, **Rimantas Vaicekauskas**, Andrius Petrus, Pranciškus Vitta, Michael S. Shur, Artwork visualization using a solid-state lighting engine with controlled photochemical safety, *Optics Express*, 22(14), p. 16802–16818.
72. **Rimantas Vaicekauskas**, Pranciškus Vitta, Akvilė Zabiliūtė, Artūras Žukauskas, Phosphor-converted LEDs with low circadian action for outdoor lighting, *Optics Letters*, 39(3), p. 563–566.
- Rimantas Vaicekauskas**, see [71].
- Rimantas Vaicekauskas**, see [75].
73. Ingrida Vaišnorienė, Ričardas Rotomskis, Vytautas Kulvietis, **Rimantas Eidukevičius**, Violeta Žalgevičienė, Aida Laurinavičienė, Jonas Venius, Janina Didžiapetrienė, Nevomelanocytic atypia detection by in vivo reflectance confocal microscopy, *Medicina*, 50(4), p. 209–215.
- Pranas Vaitkus**, see [53].
74. Vilius Viliūnas, Petras Henrikas Vaitkevičius, Rytis Stanikūnas, Pranciškus Vitta, Remigijus Blumas, Aurelijā Auškalnytė, Arūnas Tuzikas, Andrius Petrus, Laurynas Dabašinskas, Artūras Žukauskas, Subjective evaluation of luminance distribution for intelligent outdoor lighting, *Lighting Research and Technology*, 46(4), p. 421–433.
- Vytautas Zacharovas**, see [9].
- Vytautas Zacharovas**, see [33].
- Antanas Žilinskas**, see [11].
75. Artūras Žukauskas, **Rimantas Vaicekauskas**, Arūnas Tuzikas, Andrius Petrus, Rimantas Antanas Stanikūnas, Algimantas Švėgžda, Paulius Eidikas, Pranciškus Vitta, Firelight LED source: toward a balanced approach to the performance of solid-state lighting for outdoor environments, *IEEE Photonics Journal*, 6(3), p. 1–6.

## ARTICLES INCLUDED IN THOMSON REUTERS CONFERENCE PROCEEDINGS CITATION INDEX<sup>2</sup>

1. **Jeremy Daniel Besson, Antanas Mitašiūnas, Saulius Ragaišis**, Enterprise SPICE export extension, *Software process improvement and capability determination: 14th international conference, November 4-6, Vilnius*, 477, p. 279–282.

<sup>2</sup>Thomson Reuters Web of Knowledge, Web of Science, Conference Proceedings Citation Index ([online search](#))

2. Salvatore Cacciola, Rimvydas Krasauskas, Severinas Zubė, Bilinear Clifford-Bézier patches on isotropic cyclides, *Mathematical methods for curves and surfaces: 8th international conference, June 28 - July 3, 2012, Oslo, Norway*, 8177, p. 283–303.
  3. Giorgio Fumera, Ignazio Pillai, Aistis Raudys, Šarūnas Raudys, Sample size issues in the choice between the best classifier and fusion by trainable combiners, *Intelligent data engineering and automated learning: 15th International Conference, September 10-12, Salamanca, Spain*, 8669, p. 45–52.
  4. Edvinas Greičius, Saulius Minkevičius, On the component-based reliability in open multi-server queueing networks, *Mathematical methods in science and engineering: proceedings of the 1st international conference on mathematical methods and computational techniques in science and engineering, November 28-30, Athens*, 37, p. 222–224.
  5. Kęstutis Karčiauskas, Jorg Peters, Non-uniform interpolatory subdivision based on local interpolants of minimal degree, *Mathematical methods for curves and surfaces: 8th international conference, June 28 - July 3, 2012, Oslo, Norway*, 8177, p. 248–264.
- Rimvydas Krasauskas, see [2].
6. Justinas Marcinkus, Oleg Mirzianov, Antanas Mitašiūnas, Learning process maturity model, *Software process improvement and capability determination: 14th international conference, November 4-6, Vilnius*, 477, p. 261–267.
- Saulius Minkevičius, see [4].
- Antanas Mitašiūnas, see [1].
- Antanas Mitašiūnas, see [6].
7. Stasys Peldžius, Saulius Ragaišis, Tool for usage of multiple process assessment models, *Software process improvement and capability determination: 14th international conference, November 4-6, Vilnius*, 477, p. 106–117.
- Saulius Ragaišis, see [1].
- Saulius Ragaišis, see [7].
- Aistis Raudys, see [3].
- Šarūnas Raudys, see [3].
- Severinas Zubė, see [2].

## ARTICLES IN GROUP A JOURNALS<sup>3</sup>

1. Algirdas Ambrazevičius, Dovilas Bikus, Gintaras Puruškis, Paviršinių reakcijų matematinio modelio tyrimas, *Lietuvos Matematikos Rinkinys*, 55, p. 1–6.
2. Vytautas Ašeris, Arsenij Kurbanov, Kintamo laiko žingsnio taikymas neišreikštinėse schemose modeliuojant biojutiklių veikimą, *Lietuvos Matematikos Rinkinys*, 55, p. 66–71.
3. Vytautas Ašeris, Computational modelling of wire biosensor with competitive substrates conversion, *Proceedings of the World Congress On Engineering*, 2, p. 1–6.
4. Vilijandas Bagdonavičius, Rūta Levulienė, Mikhail Nikulin, Q. X. Tran, On chi-squared type tests and their applications in survival analysis and reliability, *Journal of Mathematical Sciences*, 199(2), p. 88–99.

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<sup>3</sup>Categories S3, S4, P1b, P1c, P1d and P1e in VU publications database.

5. **Romas Baronas**, Algirdas Lančinskas, **Antanas Žilinskas**, Optimization of Bi-layer biosensors: trade-off between sensitivity and enzyme volume, *Baltic Journal of Modern Computing*, 2(4), p. 285–296.
6. **Romas Baronas**, Linas Litvinas, Medžiagų koncentracijų tirpalų mišiniuose nustatymas, taikant biojutiklius ir dirbtinius neuroninius tinklus, *Lietuvos Matematikos Rinkinys*, 55, p. 78–83.
7. **Linas Bukauskas**, Vilius Okockis, Meta-modelling in document-oriented databases, *Frontiers in artificial intelligence and applications. Vol 270: Databases and information systems VIII: selected papers from the 11th international Baltic conference*, p. 57–70.
8. Louis Hsiao-Yun Chen, Hsien-Kuei Hwang, **Vytas Zacharovas**, Distribution of the sum-of-digits function of random integers: a survey, *Probability Surveys*, 11, p. 177–236.
9. **Vytautas Čyras**, Friedrich Lachmayer, Compliance and software transparency for the design of legal machines, *Frontiers in artificial intelligence and applications. Vol 270: databases and information systems VIII: selected papers from the 11th international Baltic conference*, p. 275–288.
10. **Vytautas Čyras**, Friedrich Lachmayer, Compliance and software transparency for the design of legal machines, *Databases and information systems: proceedings of the 11th international Baltic conference, June 8-11, Tallinn, Estonia*, p. 325–336.
11. **Vytautas Čyras**, Friedrich Lachmayer, Program transparency for legal machines, *Transparenz = Transparency: proceedings of the 17th international legal informatics symposium, 20-22 February, Salzburg*, p. 47–54.
12. **Vytautas Čyras**, Chafiga Radjai, Idir Rassoul, Modeling temporal data in electronic health record systems, *International journal of information science and intelligent system*, 3(3), p. 51–60.
13. **Valentina Dagienė**, Vladimiras Dolgopolovas, Loreta Savulionienė, Enhancing students' motivation in the inverted CS2 course: a case study, *e-Learning'14: international conference on e-learning, 12 September, La Laguna, Spain*, p. 137–141.
14. **Valentina Dagienė**, Simona Feiferytė, Elena Sutkutė, Pradinių klasių mokiniai informatikos kognityviniai gebėjimai, *Lietuvos Matematikos Rinkinys*, 55, p. 17–22.
15. Vladimiras Dolgopolovas, **Saulius Minkevičius**, About analysis and modeling of the open message switching system, *International Journal of Pure and Applied Mathematics*, 96(1), p. 27–35.
16. Vladimiras Dolgopolovas, **Saulius Minkevičius**, Fluid limit for cumulative idle time in multi-phase queues, *International Journal of Pure and Applied Mathematics*, 95(2), p. 123–129.
17. **Ramūnas Garunkštis**, Eriks Karikovas, Self-approximation of Hurwitz Zeta-functions, *Functiones Et Approximatio Commentarii Mathematici*, 51(1), p. 181–188.
18. Vilma Gesevičienė, **Edmundas Mazėtis**, Renkamės tiksliuosius mokslus?, *Lietuvos Matematikos Rinkinys*, 55, p. 28–33.
19. Jurgita Grikinienė, **Algimantas Juozapavičius**, Jolita Norkūnienė, Rūta Praninskienė, Rūta Samaitienė, Rolando epilepsija sergančių vaikų miego, elgesio problemos, EEG pakitimai ir klinikinės charakteristikos, *Neurologijos Seminarai*, 18(2), p. 128–137.
20. **Feliksas Ivanauskas**, **Pranas Katauskis**, Sigitas Laukevičius, Calculation of the apparent Michaelis constant for biosensors using reaction-diffusion equations, *Lietuvos Matematikos Rinkinys*, 55, p. 1–6.
21. Eglė Jakaitytė, **Edmundas Mazėtis**, 2014 m. LEU jaunuju matematikų olimpiados apžvalga, *Lietuvos Matematikos Rinkinys*, 55, p. 34–38.

22. **Kęstutis Janulis**, Remarks on the joint universality of Dirichlet L-functions and Hurwitz zeta-functions, *Šiauliai Mathematical Seminar*, 9, p. 61–70.  
**Algimantas Juozapavičius**, see [19].
23. Rimas Kalpokas, **Antanas Mitašiūnas**, Leonids Novickis, Security process capability model based on ISO/IEC 15504 conformant enterprise SPICE, *Applied Computer Systems*, 15, p. 36–41.
24. **Kęstutis Karčiauskas**, Thien Nguyen, Jorg Peters, A comparative study of several classical, discrete differential and isogeometric methods for solving Poisson's equation on the disk, *Axioms*, 3(2), p. 280–299.  
**Erikas Karikovas**, see [17].
25. **Pranas Katauskis**, Silvija Malakauskaite, Numerical study of a toxin and antibody interaction inside the cell, *Lietuvos Matematikos Rinkinys*, 55, p. 7–12.  
**Pranas Katauskis**, see [20].
26. **Ričardas Juozas Kudžma**, Vitalija Rukaitė, Semiotinis kvadratas ir naratyvinė gramatika viename pirmos klasės matematikos tekste, *Lietuvos Matematikos Rinkinys*, 55, p. 55–59.
27. **Kristina Lapin**, Deriving usability goals for mobile applications, *MIDI 14: proceedings of the international conference on multimedia, interaction, design and innovation. Article 3*, 6 p.
28. **Kristina Lapin**, Visualization approaches for mobile devices, *Databases and information systems: proceedings of the 11th international Baltic conference, June 8-11, Tallinn, Estonia*, p. 171–178.
29. **Antanas Laurinčikas**, Darius Šiaučiūnas, Mindaugas Stoncelis, On the zeros of some functions related to periodic zeta-functions, *Чебышевский Сборник*, 15, p. 121–130.
30. **Antanas Laurinčikas**, A discrete version of the Mishou theorem, *Алгебра и теория чисел: современные проблемы и приложения: материалы 12 международной конференции, посвященной 80-летию профессора Виктора Николаевича Латышева, 21–25 апреля*, Тула, p. 31–34.
31. **Remigijus Leipus**, Anne Philippe, **Donata Puplinskaitė**, Donatas Surgailis, Aggregation and long memory: Recent developments, *Journal of the Indian Statistical Association*, 52(1), p. 71–101.  
**Rūta Levulienė**, see [4].  
**Linas Litvinas**, see [6].
32. **Eugenijus Manstavičius**, **Vytautas Stepanauskas**, On variance of an additive function with respect to a generalized Ewens probability, *DMTCS Proceedings series. Proceedings of the 25th International Conference on Probabilistic, Combinatorial and Asymptotic Methods for the Analysis of Algorithms*, p. 301–312.
33. **Edmundas Mazėtis**, Grigorijus Melničenko, Trikampio kampų kotangentų racionaliosios reikšmės, *Lietuvos Matematikos Rinkinys*, 55, p. 84–89.  
**Edmundas Mazėtis**, see [18].  
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34. **Laimonas Meška**, A modification of the universality inequality, *Šiauliai Mathematical Seminar*, 9, p. 71–81.
35. **Saulius Minkevičius**, Simulation of reliability in multi-server computer networks, *Recent advances in computer engineering, communications and information technology : proceedings of the 8th international conference on communications and information technology (CIT'14), January 10–12, Tenerife, Spain*, p. 17–22.

- Saulius Minkevičius**, see [15].
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36. **Kazimieras Navickis**, Paviršiaus kreivių glaustiniai paviršiai, *Lietuvos Matematikos Rinkinys*, 55, p. 96–99.
37. **Jurij Novickij, Artūras Štikonas**, On the stability of a finite difference scheme with two weights for wave equation with nonlocal conditions, *Lietuvos Matematikos Rinkinys*, 55, p. 22–27.
38. **Gailė Paukštaitė, Artūras Štikonas**, Classification of the nullity for the second order discrete nonlocal problems, *Lietuvos Matematikos Rinkinys*, 55, p. 40–45.
39. **Karolis Petruskas**, Dainius Šimelevičius, Application of the Butler-Volmer equation in mathematical modelling of amperometric biosensor, *SIMUL 2014: the 6-th international conference on advances in system simulation, October 12-16, Nice, France*, p. 162–167.
40. **Konstantinas Pileckas**, Vsevolod Alekseevich Solonnikov, Viscous incompressible free-surface flow down an inclined perturbed plane, *Annali dell'Università di Ferrara. Sezione 7: Scienze Matematiche*, 60(1), p. 225–244.
- Donata Puplinskaitė**, see [31].
41. **Gintaras Puruškis**, Realiųjų skaičių aksiomatika ir matematinės analizės dėstymo pradžia, *Lietuvos Matematikos Rinkinys*, 55, p. 117–120.
- Gintaras Puruškis**, see [1].
42. **Aistis Raudys**, Optimal negative weight moving average for stock price series smoothing, *2014 IEEE conference on computational intelligence for financial engineering and economics, 27-28 March, London*, p. 239–246.
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- Artūras Štikonas**, see [38].
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- Antanas Žilinskas**, see [5].

## ARTICLES IN GROUP B JOURNALS<sup>4</sup>

1. **Vytautas Ašeris**, Justinas Terešius, Kompiuterinis biojutiklio su besivaržančiais substratais modeliavimas, *Computational Science and Techniques*, 2(1), p. 264–275.
2. **Romas Baronas**, Juozas Kulys, Modeling and simulation of biosensors, *Encyclopedia of Applied Electrochemistry*, p. 1304–1309.
3. **Vydas Čekanavičius**, Palaniappan Vellaisamy, Nonuniform approximations for sums of discrete m-dependent random variables, *Contemporary Developments in Statistical Theory*, 68, p. 375–393.
4. **Vytautas Čyras**, Friedrich Lachmayer's landscape of legal informatics, *Zeichen und Zauber des Rechts: Festschrift für Friedrich Lachmayer*, p. 175–183.

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<sup>4</sup>Categories S5, P1f, P2a, P2b, P2c in VU publications database.

5. Romualdas Kašuba, Eugenijus Stankus, From the experience of teaching mathematics to informatics students, *Teaching mathematics: retrospective and perspectives : proceedings of the 15th international scientific conference, May 8-10, 2014, Liepaja, Liepajas universitate, 2014*.
6. Rimvydas Krasauskas, Severinas Zubė, Rational Bezier formulas with quaternion and Clifford algebra weights, in: Tor Dokken, Georg Muntingh (eds.), *SAGA - Advances in ShApes, Geometry, and Algebra, Geometry and Computing*, vol. 10, Springer, 147–166.
7. Arvydas Kregždė, Gediminas Murauskas, Analysing sovereign credit default swaps of baltic countries, *Contemporary issues in business, management and education 2014, November 13-14, Vilnius, Lithuania*, p. 1.
8. Tadas Meškauskas, Šarūnas Rimša, Data encryption algorithm based on cellular automaton and chaotic logistic equation, *Informacinių technologijos: 19-oji tarpuniversitetinė magistrantų ir doktorantų konferencija „Informacinė visuomenė ir universitetinės studijos“*, p. 84–88.  
Gediminas Murauskas, see [7].  
Eugenijus Stankus, see [5].
9. Albertas Zinevičius, On the congruent number problem over integers of real number fields, *Albanian Journal of Mathematics*, 8(1), p. 49–53.  
Severinas Zubė, see [6].

## TEXTBOOKS

1. Vydas Čekanavičius, Gediminas Murauskas, Taikomoji regresinė analizė socialiniuose tyrimuose, *Vilnius : Vilniaus Universiteto Leidykla*, 562 p.
2. Vigirdas Mackevičius, Integral and Measure: From Rather Simple To Rather Complex, *Wiley/iste, London, ISBN: 978-1-84821-769-0*, 300 p.

## BOOKS AND LECTURE NOTES

1. Henrikas Jasiūnas, Vitolda Verikaitė, Profesorius Vytautas Paulauskas, *Vilnius: Vilniaus Universiteto Leidykla*, 429 p.
2. Romualdas Kašuba, *Kaip spręsti, kai nežinai kaip : + 15 naujų skirsnelių*, *Vilnius : TEV*, 161 p.
3. Romualdas Kašuba, *Как решать задачу, когда не знаешь как*, *Москва, Просвещение*, 174 p.

## CONFERENCE REPORTS

1. Jan Smoliakov Aleksandr, Juozas Gordevičius, Tomas Grigalis, Karolis Koncevičius, Identification of epigenetic markers for early diagnosis of colorectal cancer, *Data analysis methods for software systems: 6th International Workshop, Druskininkai, Lithuania, December 4-6, 2014*, p. 22–23.
2. Algirdas Ambrazevičius, Vladas Skakauskas, A mathematical model of bimolecular catalytic reactions, *The 10th AIMS conference on dynamical systems differential equations and applications, July 7-11, Madrid, Spain*, p. 516.
3. Algirdas Ambrazevičius, Vladas Skakauskas, Solvability of a model of unimolecular heterogeneous reactions taking into account the adsorbate diffusion, *Intern. Conference on Computational and Mathematical Methods in Science and Engineering, Costa Ballena, July 3–7, Cádiz, Spain, 2014*.
4. Vytautas Ašeris, Evelina Gaidamauskaitė, Computational modelling of biosensor utilizing synergistic scheme, *2nd International Conference on Advances in Engineering Sciences and Applied Mathematics, May 4-5, Istanbul, Turkey*, p. 1.
5. Gintautas Bareikis, Algirdas Mačiulis, On the distribution of the  $\omega(\text{GCD}(n, d))$ , *11th international Vilnius conference on probability theory and mathematical statistics, birželio 30-liepos 4 d., Vilnius*, p. 84.
6. Gintautas Bareikis, Algirdas Mačiulis, On the second moment of an arithmetical process, *11th international Vilnius conference on probability theory and mathematical statistics, birželio 30-liepos 4 d., Vilnius*, p. 85.
7. Romas Baronas, Juozas Kulys, Computational modelling and optimization of biosensors: status quo, *Data analysis methods for software systems: 6th International Workshop, December 4-6, Druskininkai, Lithuania*, p. 14.
8. Romas Baronas, Juozas Kulys, Status quo of digital modeling of biosensors, *Biosensors 2014: 24th anniversary world congress on biosensors, 27-30 May, Melbourne, Australia*, 1 p.
9. Romas Baronas, Žilvinas Ledas, Remigijus Šimkus, Three-dimensional modeling and visualization of the bacterial self-organization in a circular container, *Data analysis methods for software systems: 6th International Workshop, December 4-6, Druskininkai, Lithuania*, p. 35–36.
10. Mindaugas Bloznelis, Modeling evolving affiliation networks via random intersection graph processes, *11th international Vilnius conference on probability theory and mathematical statistics, birželio 30-liepos 4 d., Vilnius*, p. 89.
11. Mindaugas Bloznelis, Two models of evolving affiliation networks, *11th German Probability and Statistics Days*, p. 47.
12. Mindaugas Bloznelis, Probabilistic models of large real networks: Round table discussion, *Joint Meeting of the German Mathematical Society (DMV) and the Polish Mathematical Society (PTM), Poznan, 17-20 September, 2014*.
13. Vydas Čekanavičius, Infinitely divisible approximations for sums of M-dependent random variables, *11th international Vilnius conference on probability theory and mathematical statistics, birželio 30-liepos 4 d., Vilnius*, p. 95.

14. **Vydas Čekanavičius, Jūratė Šliogerė**, The approximation of Markov binomial distribution by negative binomial law, *11th international Vilnius conference on probability theory and mathematical statistics, birželio 30-liepos 4 d., Vilnius*, p. 273.
15. Vaidotas Characiejus, **Alfredas Račkauskas**, Limit theorems for functional linear processes with long memory, *11th international Vilnius conference on probability theory and mathematical statistics, birželio 30-liepos 4 d., Vilnius*, p. 96.
16. **Vytautas Čyras**, Friedrich Lachmayer, **Kristina Lapin**, Visualizing legal meaning in legal informatics, *Data analysis methods for software systems: 6th International Workshop, December 4-6, Druskininkai, Lithuania*, p. 18–19.
17. Justas Dapkūnas, Albertas Timinskas, Klement Olechnovič, Mindaugas Margelevičius, Rytis Dičiūnas, Česlovas Venclovas, The PPI3D web server for searching, analyzing and modeling protein-protein interactions in the context of 3D structures, *The XIIIth International Conference of Lithuanian Biochemical Society, June 18-20, Vilnius*, p. 17.
18. **Paulius Drungilas**, On relations for rings generated by algebraic numbers and their conjugates, *4th International Conference on Uniform Distribution Theory, Ostravice, Czech Republic, June 30 - July 4, 2014*.
19. **Artūras Dubickas**, Matematikos olimpiados: Lietuva pasauliniame kontekste, *55rd Conference of Lithuanian Mathematical Society, June 26-27, 2014, Mykolas Romeris University, Vilnius*.
20. **Alicija Eismontaitė**, Stacionarios Stokso sistemos singuliaraus sprendinio egzistavimas srityse su smaigaliu, *55rd Conference of Lithuanian Mathematical Society, June 26-27, 2014, Mykolas Romeris University, Vilnius*.
21. **Alicija Eismontaitė**, On the Existence of Singular Solutions to the Stokes Problem in the PowerCusp Domains, *Intern. Conference Advances in Mathematical Fluid Mechanics, Stochastic & Deterministic Methods, June 30 - July 5, Lisbon, Portugal, 2014*.
22. **Alicija Eismontaitė**, On the Existence of Singular Solutions to the Stokes Problem in the PowerCusp Domains, *Intern. Conference Classical Problems and New Trends in Mathematical Fluid Dynamics September 29 - October 3, Ferrara, Italy, 2014*.
23. **Ramūnas Garunkštis**, Linas Klimavičius, Hurwitz'o dzeta funkcijos reikšmių pasiskirstymas, *Studentų Moksliniai Tyrimai 2013/2014, Vilnius*, p. 153.
24. Peter Gray, **Pranas Katauskis**, **Vladas Skakauskas**, Alex Skvortsov, Modelling of receptor-toxin-antibody interaction, *The 10th AIMS conference on dynamical systems differential equations and applications, July 7-11, Madrid, Spain*, p. 510.
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27. Hsien-Kuei Hwang, **Vytas Zacharovas**, Limit laws of the coefficients of polynomials with only unit roots, *11th international Vilnius conference on probability theory and mathematical statistics, birželio 30-liepos 4 d., Vilnius*, p. 255.
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32. **Kęstutis Janulis**, Dirichlė L-funkcijų ir Hurvitzo zeta funkcijų jungtinio universalumo išvados, *55rd Conference of Lithuanian Mathematical Society, June 26-27, 2014, Mykolas Romeris University, Vilnius*.
33. **Henrikas Jasiūnas**, **Vitolda Verikaitė**, Matematikos istorijos ir metodikos klausimai LMD konferencijoje, *55rd Conference of Lithuanian Mathematical Society, June 26-27, 2014, Mykolas Romeris University, Vilnius*.
34. **Algimantas Juozapavičius**, **Tadas Meškauskas**, Misiūnas Andrius Misiukas, On implementation of automatic EEG spikes detection algorithm, *Data analysis methods for software systems: 6th International Workshop, December 4-6, Druskininkai, Lithuania*, p. 41.
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37. **Pranas Katauskis**, **Vladas Skakauskas**, An integrodifferential model of unimolecular surface reactions, *Intern. Conference on Computational and Mathematical Methods in Science and Engineering, Costa Ballena, July 3-7, Cadiz, Spain*, 2014.
38. **Arvydas Kregždė**, **Gediminas Murauskas**, Analysing sovereign credit default swaps of Baltic countries, *Intern. Conference on Contemporary Issues in Business, Management and Education, November 13-14, Vilnius, Lithuania*, 2014.
39. **Arvydas Kregždė**, **Gediminas Murauskas**, Commonality in Credit Risk of Central and East European countries, *Symposium on Business and Economics in Times of Crisis, November 13-14, Lisbon, Portugal*, 2014.
40. **Antanas Laurinčikas**, Discrete universality of Hurwitz zeta-functions, *ALaNT3: 10th Czech, Polish and Slovak conference on number theory and 15th colloquiumfest on algebra and logic, June 8-13, Będlewo, Poland*, p. 17–18.
41. **Antanas Laurinčikas**, Discrete universality of the Hurwitz zeta-function, *Mathematical modelling and analysis: 19th international conference, May 26-29, Lithuania*, p. 40.
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45. **Antanas Laurinčikas**, Docento Mindaugo Maknio (1944–1992) prisiminimui, *55rd Conference of Lithuanian Mathematical Society, June 26-27, 2014, Mykolas Romeris University, Vilnius*.
46. **Antanas Laurinčikas**, Docentas Jonas Genys (1944–2013), *55rd Conference of Lithuanian Mathematical Society, June 26-27, 2014, Mykolas Romeris University, Vilnius*.
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55. **Laimonas Meška**, Universalumo nelygybės modifikacija, *55rd Conference of Lithuanian Mathematical Society, June 26-27, 2014, Mykolas Romeris University, Vilnius*.
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61. Robertas Petuchovas, Keitinių be ilgų ciklų asymptotika, *55rd Conference of Lithuanian Mathematical Society, June 26-27, 2014, Mykolas Romeris University, Vilnius*.
62. Konstantinas Pileckas, Viscous incompressible free-surface flow down an inclined perturbed plane, *Intern. Conference Classical Problems and New Trends in Mathematical Fluid Dynamics, September 29 – October 3, Ferrara, Italy, 2014*.
63. Konstantinas Pileckas, Viscous incompressible free-surface flow down an inclined perturbed plane, *Intern. Conference Advances in Nonlinear PDEs, September 3-5 d., Saint Petersburg, Russia, 2014*.
64. Donata Puplinskaitė, Aggregation of triangular array of random-coefficient AR(1) processes, *11th international Vilnius conference on probability theory and mathematical statistics, birželio 30-liepos 4 d., Vilnius*, p. 208.
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67. Mifodijus Sapagovas, Olga Štikonienė, Alternating direction Peaceman-Rachford method for pseudoparabolic equation with nonlocal conditions, *Mathematical modelling and analysis (MMA2014): 19th international conference, May 26-29, Lithuania*, p. 69.
68. Jonas Šiaulys, On the maxima tail probability of a random walk, *11th international Vilnius conference on probability theory and mathematical statistics, birželio 30-liepos 4 d., Vilnius*, p. 223.
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70. Jonas Šiaulys, Gediminas Stepanauskas, On the one Elliott problem, *11th international Vilnius conference on probability theory and mathematical statistics, birželio 30-liepos 4 d., Vilnius*, p. 224.
71. Jonas Šiaulys, Gediminas Stepanauskas, Apie vieną P.D.T.A. Elliott hipotezę, *55rd Conference of Lithuanian Mathematical Society, June 26-27, 2014, Mykolas Romeris University, Vilnius*.
72. Vilius Stakėnas, Jonas Kubilius and genesis of probabilistic number theory, *11th international Vilnius conference on probability theory and mathematical statistics, birželio 30-liepos 4 d., Vilnius*, p. 53.
73. Vytautas Stepanauskas, On variance of an additive function on permutations, *11th International Vilnius Conference on Probability Theory and Mathematical Statistics, Vilnius, June 30 - July 4, 2014*, p. 234.
74. Giedrius Trakimas, Severinas Zubė, Null models for detecting nonrandom diversity patterns: comparison of two modeling approaches, *Abstracts of the 56 scientific conference Daugavpils university*, p. 50.
75. Laura Žvinytė, Diskretus tolygus ribinis dėsnis adityvioms funkcijoms su paslinktais pirminiais, *55rd Conference of Lithuanian Mathematical Society, June 26-27, 2014, Mykolas Romeris University, Vilnius*.

## RESEARCH GRANTS AND AWARDS

1. **Algirdas Ambrazevičius, Pranas Katauskis, Vladas Skakauskas**, Coupled Systems of Ordinary, Partial, and Integrodifferential Equations, RCL grant No. MIP-052/2012, 2012 – 2014.
2. **Romas Baronas**, Developing computational techniques, algorithms and tools for efficient simulation and optimization of biosensors of complex geometry, 2011–2015 (finansuojamas Europos socialinio fondo lėšomis pagal visuotinės dotacijos priemonę).
3. **Romas Baronas, Raimondas Jasevičius**, Bakterijų sąveikos skaitinis modeliavimas diskrečiujų elementų metodu, 2012–2014 (ES struktūrinių fondų lėšomis finansuota doktorantūrinė stažuotė).
4. **Mindaugas Bloznelis**, Mathematical models of real networks and their analysis, 2013–2014 (LMT: Mokslininkų iniciatyva vykdomų moksliinių tyrimų projektai).
5. **Paulius Drungilas**, Algebrinių skaičių sekos ir jų aukščiai, 2013–2015 (LMT: Mokslininkų iniciatyva vykdomų moksliinių tyrimų projektai).
6. **Ramūnas Garunkštis**, Skaičių teorijos analizinių funkcijų reikšmių pasiskirstymai, 2012–2014 (LMT: Mokslininkų iniciatyva vykdomų moksliinių tyrimų projektai).
7. **Algimantas Juozapavičius**, European Grid Initiative: Integrated Sustainable Pan-European Infrastructure for Researchers in Europe (EGI-InSPIRE), 2010–2014 (ES 7-oji bendroji programa).
8. **Justas Kalpokas, Antanas Laurinčikas**, Dzeta funkcijų reikšmių pasiskirstymas, 2013–2015 (ES struktūrinių fondų lėšomis finansuota doktorantūrinė stažuotė).
9. **Vygantas Paulauskas**, Ekstremalių reikšmių indekso vertinimas, 2013–2014 (LMT: Mokslininkų iniciatyva vykdomų moksliinių tyrimų projektai).
10. **Aistis Raudys**, Skaitinis intelektas portfelio algoritmų kūrime finansinių sukrėtimų laikotarpiais, 2012–2014 (LMT: Mokslininkų iniciatyva vykdomų moksliinių tyrimų projektai).
11. **Šarūnas Raudys**, Didelių dimensijų ir mažų duomenų problemos biomedicinos ir finansiniuose klasifikavimo uždaviniuose, 2013–2015 (LMT: Mokslininkų iniciatyva vykdomų moksliinių tyrimų projektai).
12. **Donatas Surgailis**, Netiesinė ilgoji atmintis, sunkios uodegos ir agregavimas, 2013–2015 (LMT: Mokslininkų iniciatyva vykdomų moksliinių tyrimų projektai).
13. **Rimantas Vaicekauskas**, Tausojanti ir išmanioji meno kūrinių apšvietimo technologija, 2012–2014 (LMT: Mokslininkų iniciatyva vykdomų moksliinių tyrimų projektai).
14. **Rimantas Vaicekauskas, Pranciškus Vitta**, Optimizuotų spektrinių parametru kietakūnio apšvietimo technologijų kūrimas nišiniams taikymams, 2012–2014, (ES struktūrinių fondų lėšomis finansuota doktorantūrinė stažuotė).

## PATENTS

1. **Feliksas Ivanauskas**, Michael Shur, **Rimantas Vaicekauskas**, Petras Henrikas Vaitkevičius, Artūras Žukauskas, Multiwavelength solid-state lamps with an enhanced number of rendered colors, *U.S. Patent No 8771029 B2*.

## SCIENTIFIC CONTACTS

### PARTICIPATION IN INTERNATIONAL PROJECTS

1. **Konstantinas Pileckas**, Asymptotic Problems and Applications, Lithuanian-Swiss programme Research and Development, project No. CH-3-ŠMM-01/01. 2012 – 2016.

### RESEARCH VISITS

1. **Mindaugas Bloznelis**, Ulm Germany, german probabiliidy days, March, 3–7.
2. **Mindaugas Bloznelis**, Joint Meeting of the German Mathematical Society (DMV) and the Polish Society (PTM) Poznan and 5th Polish combinatorial conference, Bedlewo, September, 16–28.
3. **Mindaugas Bloznelis**, Attending combinatoric and probability seminars at Queen Mary university of London, September 29–November 10.
4. **Mindaugas Bloznelis**, Attending combinatoric and probability seminars at Queen Mary university of London, November, 18–29.
5. **Mindaugas Bloznelis**, Attending combinatoric and probability seminars at Queen Mary university of London, December, 12–31.
6. **Kristina Kaulakyte**, University of Zurich, Switzerland, July 1 – December 31.
7. **Neringa Klovienė**, University of Zurich, Switzerland, March 24-28.
8. **Eugenijus Manstavičius**, Meeting of Presidents of European Mathematical Societies, Istanbul, Turkey. April 10–13.
9. **Konstantinas Pileckas**, University of Zurich, Switzerland, December 10-14.
10. **Konstantinas Pileckas**, University of Kassel, Germany, December 15-16.
11. **Raivydas Šimėnas**, Würzburg University, November 24-30.
12. **Vytas Zacharovas**, Institute of Statistical Science, Academia Sinica, Taiwan, January 1–24.
13. **Albertas Zinevičius**, Summer School-Conference “Hyperelliptic curves and cryptography”, University of Information Science and Technology “St. Paul The Apostle”, Ohrid, Macedonia, August 25 – September 5.

### FOREIGN VISITORS

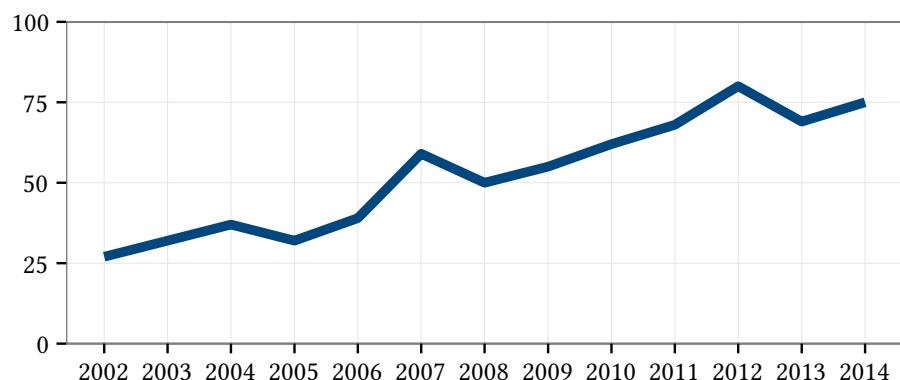
1. Prof. Michel Chipot, University of Zurich, Switzerland, June-December.
2. Prof. Itzhak Fouxon, Weizmann Institute of Science, Izrael, October.
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4. Victoria Zhuravleva, Moscow University, Russia, October 6.

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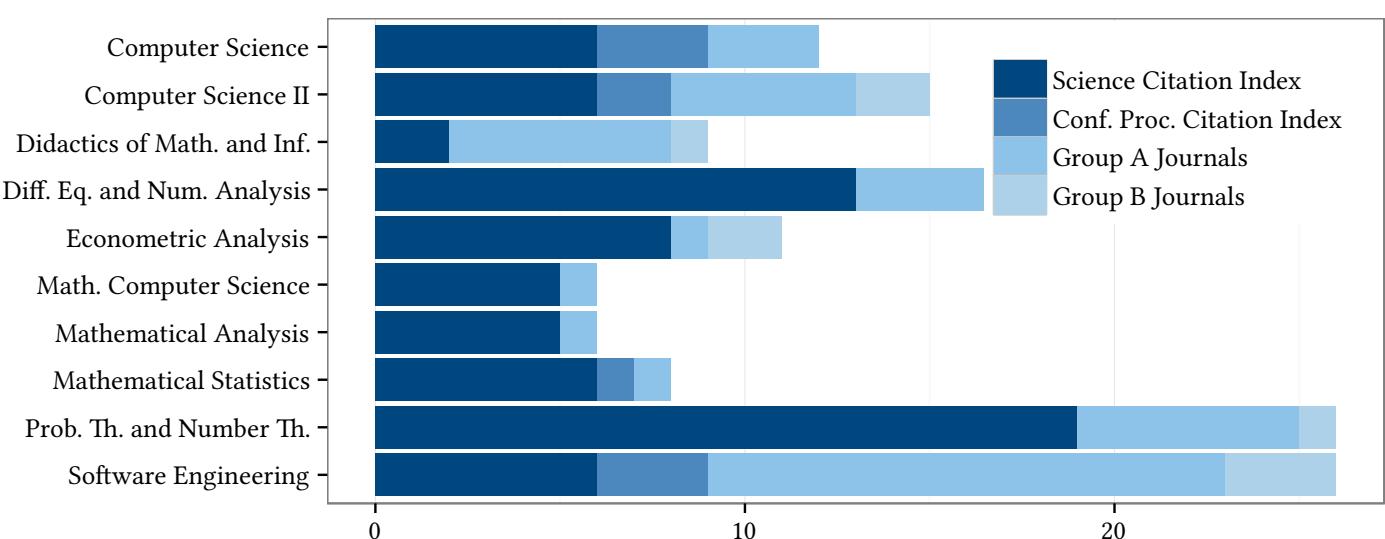
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