

Publications of VU Institute of Mathematics and Informatics (VU IMI) 2016

The classified list of VU IMI 2016 publications (in Lithuanian): http://www.mii.lt/files/mii_2016_publicacijos.pdf

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

No.	Publication
1	Paulavičius, Remigijus; Žilinskas, Julius. Advantages of simplicial partitioning for Lipschitz optimization problems with linear constraints // Optimization letters. Heidelberg: Springer. ISSN: 1862-4472. 2016, Vol. 10, no 2, p. 237-246. Prieiga per internetą: <http://link.springer.com/article/10.1007%2Fs11590-014-0772-4>.
2	Minkevičius, Saulius; Dolgopolovas, Vladimiras; Sakalauskas, Leonidas. A law of the iterated logarithm for the sojourn time process in queues in series // Methodology and computing in applied probability. New York: Springer New York LLC. ISSN: 1387-5841. 2016, Vol. 18, no 1, p. 37-57. Prieiga per internetą: <http://link.springer.com/article/10.1007%2Fs11009-014-9402-y>.
3	Kubilius, Kęstutis; Melichov, Dmitrij. Exact confidence intervals of the extended Orey index for Gaussian processes // Methodology and Computing in Applied Probability. New York: Springer New York LLC. ISSN: 1387-5841, eISSN: 1573-7713. 2016, Vol. 18, iss. 3, p. 785-804. Prieiga per internetą: <http://dx.doi.org/10.1007/s11009-015-9460-9>.
4	Kubilius, Kęstutis; Skorniakov, Viktor; Melichov, Dmitrij. Estimation of parameters of SDE driven by fractional Brownian motion with polynomial drift // Journal of statistical computation and simulation. Abingdon, Oxfordshire: Taylor & Francis Inc.. ISSN: 0094-9655, eISSN: 1563-5163. 2016, Vol. 86, No. 10, p. 1954-1969. Prieiga per internetą: <http://dx.doi.org/10.1080/00949655.2015.1095301>.
5	Kubilius, Kęstutis; Skorniakov, Viktor. On some estimators of the Hurst index of the solution of SDE driven by a fractional Brownian motion // Statistics & Probability Letters. Amsterdam: Elsevier BV * North-Holland. ISSN: 0167-7152, eISSN: 1879-2103. 2016, Vol. 109, p. 159-167. Prieiga per internetą: <http://www.sciencedirect.com/science/article/pii/S0167715215003818>.
6	Paulauskienė, Kotryna; Kurasova, Olga. Projection error evaluation for large multidimensional data sets // Nonlinear analysis: modelling and control. Vilnius: Vilnius University Institute of Mathematics and Informatics. ISSN: 1392-5113. 2016, Vol. 21, No. 1, p. 92-102. Prieiga per internetą: <http://www.mii.vu.lt/na/issues/NA_2101/NA2116.pdf>.
7	Kurilov, Jevgenij; Vinogradova, Irina; Kubilinskienė, Svetlana. New MCEQLS fuzzy AHP methodology for evaluating learning repositories: a tool for technological development of economy // Technological and economic development of economy. Vilnius ; London: Technika ; Routledge-Taylor & Francis group. ISSN: 2029-4913, eISSN: 2029-4921. 2016, Vol. 22, no 1, p. 142-155. Prieiga per internetą: <http://www.tandfonline.com/doi/pdf/10.3846/20294913.2015.1074950>.
8	Yang, Yang; Leipus, Remigijus; Šiaulyš, Jonas. Asymptotics for randomly weighted and stopped dependent sums // Stochastics: an international journal of probability and stochastic processes. Abingdon: Taylor and Francis. ISSN: 1744-2508, eISSN: 1744-2516. 2016, Vol. 88, No. 2, p. 300-319. Prieiga per internetą: <http://www.tandfonline.com/doi/full/10.1080/17442508.2015.1052812>.
9	Niakšu, Olegas; Balčiūnaitė, Giedrė; Kizlaitis, Romualdas Jonas; Treigys, Povilas. Semi-automation of Doppler spectrum image analysis for grading aortic valve stenosis severity // Methods of information in medicine. Stuttgart: Schattauer GmbH. ISSN: 0026-1270. 2016, Vol. 55, Iss. 1, p. 23-30. Prieiga per internetą: <http://methods.schattauer.de/en/contents/archivestandard/issue/2298/manuscript/24998/show.html>.

10	<p>Paulauskienė, Kotryna; Kurasova, Olga. Control point selection for dimensionality reduction by radial basis function = Kontrolinių taškų parinkimas dimensijai mažinti naudojant radialinę bazinę funkciją // Computational science and techniques. Klaipėda: Klaipėdos universitetas. eISSN: 2029-9966. 2016, Vol. 4, no 1, p. 487-499. Prieiga per internetą: <http://journals.ku.lt/index.php/CST/article/view/1095/pdf>.</p>
11	<p>Yanushkevichiene, Olga; Yanushkevichius, Romanas; Geseviciene, Vilma. On bounds for some U-statistics under the two-eigenvalues assumption // Journal of mathematical sciences. New York: Springer. ISSN: 1072-3374. 2016, Vol. 214, iss. 1, p. 139-146. Prieiga per internetą: <http://link.springer.com/article/10.1007/s10958-016-2764-7>.</p>
12	<p>Kurilov, Jevgenij; Kurilova, Julija. Intelektuali ateities mokykla // Geros matematikos ir informacinių technologijų pamokos link: kaip geriname mokinių pasiekimus : 13-osios matematikos ir informacinių technologijų mokytojų respublikinės mokslinės-metodinės konferencijos straipsnių rinkinys, 2016 m. vasario 12 d., Šiauliai / [sudarė Daiva Bukelytė, Rima Ernestienė, Vincas Tamašauskas]. Vilnius: Litera, 2016. ISBN: 9786098144185. p. 29-30.</p>
13	<p>Sunklodas, Jonas Kazys. On the normal approximation under some condition for a differential equation of the characteristic function // Lithuanian mathematical journal. New York: Springer Science+Business Media. ISSN: 0363-1672, eISSN: 1573-8825. 2016, Vol. 56, No. 1, p. 114-126. Prieiga per internetą: <http://download.springer.com/static/pdf/119/art%253A10.1007%252Fs10986-016-9308-1.pdf?originUrl=http%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%2Fs10986-016-9308-1&token2=exp=1457956186~acl=%2Fstatic%2Fpdf%2F119%2Fart%25253A10.1007%25252Fs10986-016-9308-1.pdf%3ForiginUrl%3Dhttp%253A%252F%252Flink.springer.com%252Farticle%252F10.1007%252Fs10986-016-9308-1*~hmac=7d367d6b45c3de1d6c750afa174aae055b7d83df2babadcaab1b685d4bab5811>.</p>
14	<p>Carretero, Jesus; Čiegis, Raimondas; Jeannot, Emmanuel; Lefevre, Laurent; Rünger, Gudula; Talia, Domenico; Žilinskas, Julius. HeteroPar 2014, APCIE 2014, and TASUS 2014 Special Issue : editorial // Concurrency and computation: practice and experience. Special Issue: Combined Special issues on Security and reliability in big data (TrustCom 2013), HeteroPar 2014, APCIE 2014, and TASUS 2014 Special Issue and Workshop on high-performance computational finance (WHPCF14). Hoboken: Wiley-Blackwell. ISSN: 1532-0626, eISSN: 1532-0634. 2016, Vol. 28, iss. 3, p. 1-2. Prieiga per internetą: <http://onlinelibrary.wiley.com/doi/10.1002/cpe.3688/epdf>.</p>
15	<p>Xiang, Yang (red.); Stoimenovic, Ivan (red.); Mueller, Peter (red.); Zhang, Jun (red.); Carretero, Jesus (red.); Čiegis, Raimondas (red.); Jeannot, Emmanuel (red.); Lefevre, Laurent (red.); Rünger, Gudula (red.); Talia, Domenico (red.); Žilinskas, Julius (red.); Dixon, Matthew (red.); Moreira, Jose (red.); Daly, David (red.). Concurrency and computation: practice and experience : Vol. 28 iss. 3 (2016): Special Issue: Combined Special issues on Security and reliability in big data (TrustCom 2013), HeteroPar 2014, APCIE 2014, and TASUS 2014 Special Issue and Workshop on high-performance computational finance (WHPCF14) / Issue edited by: Yang Xiang, Ivan Stoimenovic, Peter Mueller, Jun Zhang, Jesus Carretero, Raimondas Čiegis, Emmanuel Jeannot, Laurent Lefevre, Gudula Rünger, Domenico Talia, Julius Žilinskas, Matthew Dixon, Jose Moreira, David Daly.. Hoboken : Wiley-Blackwell, 2016. 365. Prieiga per internetą: <http://onlinelibrary.wiley.com/doi/10.1002/cpe.v28.3/issuetoc>.</p>
16	<p>Labrie, Viviane; Buske, Orion J; Oh, Edward; Jeremian, Richie; Ptak, Carolyn; Gasiūnas, Giedrius; Maleckas, Almantas; Petereit, Rūta; Žvirblienė, Aida; Adamonis, Kęstutis; Kriukienė, Edita; Koncevičius, Karolis; Gordevičius, Juozas; Nair, Akhil; Zhang, Aiping; Ebrahimi, Sasha; Oh, Gabriel; Šikšnys, Virginijus; Kupčinskas, Limas; Brudno, Michael; Petronis, Artūras. Lactose intolerance is directed by DNA haplotype-dependent epigenetic aging // EPIGENOMICS 2016 - a special International Meeting on Epigenomics and Transcriptional Regulation : January 31-February 5, 2016 Rio Grande, Puerto Rico / International Genetic Epidemiology Society. Puerto Rico: International Genetic Epidemiology Society, 2016. p. 1-1. Prieiga per internetą: <http://epigenomics2016.org/program.html>.</p>

17	Gudas, Saulius; Lopata, Audrius. Towards internal modelling of the information systems application domain // Informatica. Vilnius: Vilniaus universiteto Matematikos ir informatikos institutas. ISSN: 0868-4952, eISSN: 1822-8844. 2016, Vol. 27, no 1, p. 1-29. Prieiga per internetą: <http://www.mii.lt/Informatica/htm/INFO1085.htm>.
18	Dagienė, Valentina; Stupurienė, Gabrielė. Bebras - a sustainable community building model for the concept based learning of informatics and computational thinking // Informatics in education. Vilnius: Matematikos ir informatikos institutas. ISSN: 1648-5831. 2016, Vol. 15, no 1, p. 25-44. Prieiga per internetą: <http://www.mii.lt/informatics_in_education/htm/infedu.2016.02.htm>.
19	Yanushkevichienė, Olga. About the methodology of teaching mathematics // 9th international conference on social sciences, Dubrovnik, [Croatia], 8-9 April 2016 : proceedings book. Vol. III. Dubrovnik: [European center for science, education and research], 2016. ISBN: 9788890916373. P. 499-501. Prieiga per internetą: <http://lib.euser.org/res/prc/9/9th_ICSS_2015_Proceedings_Book_Vol_3_ISBN_9788890916373.pdf>.
20	Januškevičienė, Olga. About the methodology of teaching mathematics // European journal of social sciences education and research (EJSER). London: European center for science education and research (EUSER). ISSN: 2411-9563. 2016, Vol. 6, Nr. 2, p. 195-197. Prieiga per internetą: <http://ejser.euser.org/index.php/all-volumes-of-ejser/january-april-2016-nr-2/398-about-the-methodology-of-teaching-mathematics>.
21	Sabaliauskas, Martynas. Skaitmeninių organinės prigimties korpalių modelių segmentavimo ir projektavimo į plokštumą tyrimas // Fizinių ir technologijos mokslų tarpdalykiniai tyrimai : šeštoji jaunųjų mokslininkų konferencija : pranešimų santrauka, Vilnius, 2016 m. vasario 10 d.. Vilnius: Lietuvos mokslų akademijos leidykla, 2016. p. 57-60.
22	Labrie, Viviane; Buske, Orion J; Oh, Edward; Jeremian, Richie; Ptak, Carolyn; Gasiūnas, Giedrius; Maleckas, Almantas; Petereit, Rūta; Žvirblienė, Aida; Adamonis, Kęstutis; Kriukienė, Edita; Koncevičius, Karolis; Gordevičius, Juozas; Nair, Akhil; Zhang, Aiping; Ebrahimi, Sasha; Oh, Gabriel; Šikšnys, Virginijus; Kupčinskas, Limas; Brudno, Michael; Petronis, Arturas. Lactase nonpersistence is directed by DNA-variation-dependent epigenetic aging // Nature structural and molecular biology. New York: Nature Pub. Group. ISSN: 1545-9993. 2016, vol. 23, no. 6, p. 566-573.
23	Žulkas, Evaldas; Dzemydienė, Dalė; Guseinovicienė, Eleonora. Išmanaus būsto elektros energijos taupymo posistemės projektavimo sprendimai // Jūros ir krantų tyrimai 2016 : 9-oji nacionalinė jūros mokslų ir technologijų konferencija : konferencijos medžiaga : 2016 balandžio 27-29 d. Klaipėda: [Klaipėdos universiteto leidykla], 2016. ISBN: 9789955189015. p. 244-248.
24	Pupeikis, Rimantas. Revised fast 2D linear filtering // 2016 Open Conference of electrical, electronic and information sciences (eStream) : proceedings of the conference, April 19, 2016, Vilnius, Lithuania. New York: IEEE, 2016. ISBN: 9781509015160. Prieiga per internetą: <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7485922&filter%3DAND%28p_IS_Number%3A7485907%29>.
25	Juškevičienė, Anita; Jasutė, Eglė; Kurilov, Jevgenij; Mamčenko, Jelena. Application of 1:1 mobile learning scenarios in computer engineering education // International journal of engineering education. Dublin: Tempus Publications. ISSN: 0949-149X. 2016, Vol. 32, No. 3, Part A, p. 1087-1096.
26	Jasutė, Eglė; Kubilinskienė, Svetlana; Juškevičienė, Anita; Kurilov, Jevgenij. Personalised learning methods and activities for computer engineering education // International journal of engineering education. Dublin: Tempus Publications. ISSN: 0949-149X. 2016, Vol. 32, No. 3, Part A, p. 1078-1086.
27	Kubilinskienė, Svetlana; Dagienė, Valentina; Žilinskienė, Inga; Kurilov, Jevgenij. Empirical study on robotics application in Lithuanian schools // International journal of engineering education. Dublin: Tempus Publications. ISSN: 0949-149X. 2016, Vol. 32, no 3(A), p. 1128-1140.

28	Sabaliauskas, Martynas; Marcinkevičius, Virginijus. Segmentation model for flattening of individual 3D lasts // Engineering and competitiveness (EMC 2016) : 6th international symposium: proceedings, 17-18 June 2016, Kotor,. Novi Sad: University of Novi Sad, 2016. ISBN: 9788676722846. p. 325-331.
29	Vaicekuskas, Gytis; Kazlauskas, Kazys; Smaliukas, Robertas. A novel method to design S-boxes based on key-dependent permutation schemes and its quality analysis // International Journal of Advanced Computer Science and Applications. Bradford: The Science and Information (SAI). ISSN: 2158-107X, eISSN: 2156-5570. 2016, Vol. 7, Iss. 4, p. 93-99. Prieiga per internetą: <http://thesai.org/Downloads/Volume7No4/Paper_12-A_Novel_Method_to_Design_S_Boxes_Based_on_Key_Dependent.pdf>.
30	Pranckevičius, Tomas; Marcinkevičius, Virginijus. Comparison of Naive Bayes and Random Forest Classifiers on Product-Review Data // EURO 2016: 28th European conference on operational research, Poznań 3-6.07.2016 : conference handbook. Poznań: Poznan University of Technology, 2016. p. 266. Prieiga per internetą: <https://www.euro-online.org/conf/admin/tmp/program-euro28.pdf>.
31	Kazlauskas, Kazys; Pupeikis, Rimantas. Advanced methods for short signal spectrum estimation / Kazys Kazlauskas, Rimantas Pupeikis. Herzogenrath / Maastricht : Shaker Verlag, 2016. 150 p. Prieiga per internetą: <http://www.shaker.de/de/content/catalogue/index.asp?lang=de&ID=8&ISBN=978-3-8440-4524-6>. ISBN: 9783844045246.
32	Jakimauskas, Gintautas; Sakalauskas, Leonidas. Note on the singularity of the Poisson–gamma model // Statistics and probability letters. Amsterdam: Elsevier. ISSN: 0167-7152. 2016, Vol. 114, p. 86-92. Prieiga per internetą: <http://www.sciencedirect.com/science/article/pii/S0167715215303825>.
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34	Kurilov, Jevgenij. Special issue on computer engineering education : guest editorial // International journal of engineering education. Dublin: Tempus Publications. ISSN: 0949-149X. 2016, Vol. 32, no 3, p. 1066-1068. Prieiga per internetą: <http://www.ijee.ie/contents/c320316A.html>.
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39	Sapagovas, Mifodijus; Štikonienė, Olga; Čiupaila, Regimantas; Jokšienė, Živilė. Convergence of iterative methods for elliptic equations with integral boundary conditions // Electronic Journal of Differential Equations. San Marcos: Texas State University. ISSN: 1072-6691. 2016, Vol. 2016, no. 118, p. 1-14. Prieiga per internetą: <http://ejde.math.txstate.edu>.

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42	<p>Ušpurienė, Ana; Sakalauskas, Leonidas; Giuliani, Saverio; Meloni, Carlo. ABC model for economic development of a firm // Technological and economic development of economy. Vilnius: Technika. ISSN: 2029-4913. 2016, Vol. 22, no. 4, p. 512-531. Prieiga per internetą: <http://www.tandfonline.com/doi/abs/10.3846/20294913.2016.1190420>.</p>
43	<p>Dagienė, Valentina; Rutkauskienė, Danguolė; Gudonienė, Daina. An experience of running a MOOC on information technology // International journal of human capital and information technology professionals. Hershey, PA: IGI Global. ISSN: 1947-3478, eISSN: 1947-3486. 2016, vol. 7, iss. 3, p. 76-88. Prieiga per internetą: <http://www.igi-global.com/article/an-experience-of-running-a-mooc-on-information-technology/160728>.</p>
44	<p>Jakštys, Vytautas; Marcinkevičius, Virginijus; Tichonov, Jevgenij; Treigys, Povilas. Detection of the road pothole contour in raster images // Information technology and control. Kaunas: Technologija. ISSN: 1392-124X, eISSN: 2335-884X. 2016, Vol. 45, no. 3, p. 300-307. Prieiga per internetą: <http://dx.doi.org/10.5755/j01.itc.45.3.13446>.</p>
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47	<p>Stupurienė, Gabrielė; Vinikienė, Lina; Dagienė, Valentina. Students' success in the Bebras challenge in Lithuania: focus on a long-term participation // Informatics in Schools: Improvement of Informatics Knowledge and Perception : 9th International Conference on Informatics in Schools: Situation, Evolution, and Perspectives, ISSEP 2016, Münster, Germany, October 13-15, 2016, Proceedings / eds. : Andrej Brodnik, Françoise Tort . Series : Lecture Notes in Computer Science. Vol. 9973. ISSN 0302-9743. Cham: Springer International Publishing, 2016. ISBN: 9783319467467. p. 78-89. Prieiga per internetą: <http://link.springer.com/chapter/10.1007%2F978-3-319-46747-4_7>.</p>
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49	<p>Kaškonas, Paulius; Stanius, Žydrūnas; Kaškonienė, Vilma; Obelevičius, Kęstutis; Ragažinskienė, Ona; Žilinskas, Antanas; Maruška, Audrius Sigitas. Clustering analysis of different hop varieties according to their essential oil composition measured by GC/MS // Chemical papers. Berlin: De Gruyter. ISSN: 0366-6352, eISSN: 1336-9075. 2016, vol. 70, iss. 12, p. 1568-1577. Prieiga per internetą: <https://www.degruyter.com/view/j/chempap.2016.70.issue-12/chempap-2016-0092/chempap-2016-0092.xml>.</p>

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