Publications Report

2011
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Traditionally, the department gives courses in mathematical analysis (calculus) and related subjects. In recent years, the department, as responsible for bachelor and master programs in actuarial and financial mathematics, became more oriented toward applications and is offering main courses in actuarial and financial mathematics. The research areas of the department include heavy tailed distributions, time series, econometric and actuarial models, stochastic analysis.

G. Bakštys. Actuarial mathematics.  

P. Banys. Doctoral student: limit theorems for random fields.  


A. Lenkšas. Numerical solution of SDEs.  

K. Liubinskas. Convergence rates in limit theorems of probability theory.  


M. Manstavičius. Levy processes; path properties of random processes.  

E. Mielkaitis. Doctoral student: Limit theorems and convergence rates for random linear processes and fields.  

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Publications. Journals with ISI SC Index – 10; Intern. reviewed journals, books, and ISI proceedings – 0; Lithuanian licensed issues – 1; Other journals and proceedings – 2.

DEPARTMENT OF DIFFERENTIAL EQUATIONS AND NUMERICAL ANALYSIS
http://www.mif.vu.lt/katedros/dlsm/homea

Head Prof. Konstantinas Pileckas
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Professors of the department give courses on differential equations (ODEs and PDEs), numerical analysis, optimization methods, applied mathematics, calculus (at the faculties of Economics, Chemistry, and Natural Sciences), and various more specialized lectures. The main research fields of the department are ordinary and partial differential and integrodifferential equations, their numerical analysis, and applied mathematics.

A. Ambrazevičius. Solvability of partial differential equations of parabolic type.
algirdas.ambrazevicius@mif.vu.lt

V. Daukšas. Optimization methods.
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A. Domarkas. Solvability of nonlinear Schrödinger-type equations.
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A. Kavaliauskas. Asymptotic analysis of dynamic systems.
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N. Klovienė. Doctoral student: Mathematical models of non-Newtonian fluids. kloviene@mif.vu.lt

M. Meilūnas. Numerical analysis of parabolic problems. mecislovas.meilunas@fm.vtu.lt


G. Puriuškis. Schrödinger-type differential equations. gintaras.puriuskis@mif.vu.lt

V. Skakauskas. Population dynamics. vladas.skakauskas@mif.vu.lt

M. Skujus. Doctoral student: Asymptotic conditions at infinity for non-stationary Stokes and Navier–Stokes problems in domains with cylindrical outlets to infinity. skujui@yahoo.com

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A. Štikonas. Nonlocal problems. arturas.stikonas@mif.vu.lt

O. Štikonienė. Numerical methods for nonlinear PDEs and problems with nonlocal boundary conditions. olga.stikoniene@mif.vu.lt

Publications. Journals with ISI SC Index – 6; Intern. reviewed journals, books, and ISI proceedings – 0; Lithuanian licensed issues – 6; Other journals and proceedings – 1.

DEPARTMENT OF PROBABILITY THEORY AND NUMBER THEORY
http://www.mif.vu.lt/katedros/ttsk/homea.html

Head Prof. Antanas Laurinčikas
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Professors of the department give courses in algebra, number theory, probability theory, discrete mathematics, and various more specialized lectures in the directions mentioned. They also give lectures on calculus and probability theory at the Faculties of Physics and Communications. Their main scientific interests are related to the algebraic, analytic, and probabilistic number theories and combinatorics. A great attention is also paid to neighboring problems of probability theory, to the development of Lithuanian mathematical thought, and to popularization of mathematical sciences.

G. Alkauskas. Postdoctoral fellow: Analytical and dynamical methods in number theory. giedrius.alkauskas@gmail.com, http://alkauskas.ten.lt

P. Drungilas. Algebraic numbers, polynomials. pdrungilas@gmail.com, http://www.mif.vu.lt/~drungilas
A. Dubickas. Algebraic numbers, distribution modulo 1.

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http://www.mif.vu.lt/~dubickas


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http://www.mif.vu.lt/katedros/ttsk/bylos/ka/ka_a

J. Kalpokas. Doctoral student: Analytic number theory.

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A. Kolupajeva. Doctoral student: Twists of $L$-functions.


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http://www.mif.vu.lt/katedros/ttsk/bylos/ku/ku_a

A. Laurinčikas. Analytic and probabilistic number theory. Value distribution of zeta-functions.

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E. Manstavičius. Analytic and probabilistic combinatorics. Probabilistic number theory.

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http://www.mif.vu.lt/katedros/ttsk/bylos/man/man_a

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P. Šarka. Doctoral student: Number theory, sumsets. paulius.sarka@gmail.com

J. Šiurytės. Doctoral student: Algebraic numbers, polynomials. jonas.siurys@gmail.com

A. Zinevičius. Doctoral student: Distribution of lattice points, hyperelliptic curves. azinevicius@gmail.com

Z. Žilinskas. Doctoral student: Moments of additive functions defined on random combinatorial structures. zydrunas.zilinskas@mif.vu.lt

Publications. Journals with ISI SC Index – 19; Intern. reviewed journals, books, and ISI proceedings – 8; Lithuanian licensed issues – 4; Other journals and proceedings – 1.

DEPARTMENT OF MATHEMATICAL STATISTICS
http://www.mif.vu.lt/katedros/msk

Head Prof. Vilijandas Bagdonavičius
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The main research areas at the department: theoretical and applied mathematical statistics, reliability and survival analysis, stochastic analysis, limit theorems in probability theory and mathematical statistics.

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P. Daniušis. Doctoral student.

R. Eidukevičius. Mathematical modelling. Experimental planning and statistical analysis in oncology. rimantas.eidukevicius@mif.vu.lt

A. Galinskis. Doctoral student.

V. Kazakevičius. Mathematical statistics. Nonlinear stochastic dynamic systems. vytautas.kazakevicius@mif.vu.lt

J. Kruopis. Mathematical statistics, quality control, and their applications. julius.kruopis@mif.vu.lt

R. Levulienė. Mathematical statistics, reliability, survival analysis. ruta.levuliene@mif.vu.lt


M. Vaičiulis. Statistical analysis of stochastic processes. marijus@ktl.mii.lt


Publications. Journals with ISI SC Index – 6; Intern. reviewed journals, books, and ISI proceedings – 1; Lithuanian licensed issues – 4; Other journals and proceedings – 2.
DEPARTMENT OF COMPUTER SCIENCE
http://www.mif.vu.lt/katedros/cs/Welcome

Head Prof. Rimantas Vaicekauskas
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The department supervises the education in informatics for the students in bachelor, master, and doctor programs. Research areas: neural networks, software process, semantics of programs, artificial intelligence, retrieval of logical proofs, error-correcting codes, service oriented frameworks and cloud computing, national language support, numerical modelling and visualization.

A. Adamonis. Support and maintenance process modelling. andrius.adamonis@mif.vu.lt

A. Birštunas. Multiagent modal logics. adomas.birstunas@mif.vu.lt

V. Dičiūnas. Neural networks. Complexity of algorithms. valdas.diciunas@mif.vu.lt

A. Janeliūnas. Neural net based classification algorithms. Object-oriented database systems. arunas.janeliunas@vzinios.lt

I. Mitašiūnaitė. Data mining, bioinformatics. ieva.mitasiunaite@gmail.com

A. Mitašiūnas. Process capability assessment and improvement. Innovation and technology transfer modeling Qualified Electronic Signature applications. antanas.mitasiunas@mif.vu.lt

S. Norgėla. Automated theorem proving. stasys.norgela@mif.vu.lt

I. Radavičius. Graph theory, data structures and algorithms, algorithm analysis. irmantas.radavicius@mif.vu.lt


G. Skersys. Error-correcting codes. gintaras.skersys@mif.vu.lt

A. Svirskas. Collaborative process automation support using service level agreements and intelligent dynamic agents. Choreographed B2B collaboration: service-oriented frameworks for adaptable, manageable, secure, and trusted interactions. adomas.svirskas@mif.vu.lt

V. Tumasonis. Comparison of programming languages. Computer algebra. IT standards. vladas.tumasonis@mif.vu.lt

R. Vaicekauskas. Computational color science, parallel computing. rimantas.vaicekauskas@mif.vu.lt

J. Žagūnas. Structured documents converting. jonas.zagunas@mif.vu.lt

A. Žilinskas. Optimization, optimal design, visualization of multidimensional data. antanasz@ktl.mii.lt
I. Žliobaitė. Doctoral student: Pattern recognition under concept drift. 
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Publications. Journals with ISI SC Index – 2; Intern. reviewed journals, books, and ISI proceedings – 2; Lithuanian licensed issues – 3; Other journals and proceedings – 7.

DEPARTMENT OF DIDACTICS OF MATHEMATICS
AND INFORMATICS
http://www.mif.vu.lt/katedros/mmk/index.html

Head Prof. Eugenijus Stankus
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The department supervises mathematics and informatics teachers training. The research areas of the department include the mathematics and informatics education at secondary school, college, and university levels.

A. Apynis. Game theory. Social decisions. Didactics of mathematics. antanas.apynis@mif.vu.lt

V. Dagienė. Computer science. Information technology. Didactics of informatics. Contests in informatics and information technology. valentina.dagiene@mif.vu.lt

A. Elijio. Statistical educational surveys and their analysis. Sample design issues. Mathematically gifted students. aiste.elijio@gmail.com

E. Gaigalas. Quadratic forms. Problems of mathematical education. edmundas.gaigalas@mif.vu.lt

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R. Laucius. Programming teaching. rimga@ktl.mii.lt

A. Novikas. Number theory. Mathematical contests. aivaras.novikas@mif.vu.lt

Š. Repšys. Dynamic models of physiological structure of population. sarunas.repsys@mif.vu.lt

E. Stankus. Analytic number theory. Probabilistic number theory. Didactics of mathematics. eugenijus.stankus@mif.vu.lt

Publications. Journals with ISI SC Index – 0; Intern. reviewed journals, books, and ISI proceedings – 5; Lithuanian licensed issues – 5; Other journals and proceedings – 6.
The research areas at the department include methods and applications of nonlinear and computational modelling, computational geometry, methods of computer vision, speech and signal processing, data structures and algorithms, Internet technology and information systems. The results of research are to be applied to problems of computer software, physics and mathematics, natural sciences, as well as to topics of medicine, linguistics, and social sciences.


A. Brilingaitė. Geo-context in location-based services. Spatio-temporal databases. Geographic information and intelligent transportation systems.

L. Bukauskas. Database support for visual data mining, indexing of visible objects, information retrieval, with the focus on disseminating database content on WWW, position-oriented context retrieval in mobile service setting, spatio-temporal databases, and ER modelling.

L. Būtėnas. Context extraction from semi-structural and textual information.

A. Čivilis. Managing moving objects in location-based services, spatial data mining, and geographic information systems.

J. Dabulytė-Bagdonavičienė. Computational modelling of the kinetics of lipase catalyzed reaction.


J. Ignatavičiūtė. Stochastic methods in image processing.


A. Juozapavičius. Algorithms of computer vision and computer graphics, applications in databases and Internet-based systems.


P. Kasparaitis. Speech synthesis.

I. Kaunietis. Investigation of amperometric biosensor response.
M. Kazakevičiūtė. Computer-aided geometric design. 

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K. Navickis. Intrinsic normalizations of distributions of flags on Grassmannians of affine spaces. 

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S. Sajavičius. Doctoral student: Numerical solution of PDEs with nonlocal conditions, finite-difference schemes, meshless methods. 

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O. Štokionienė. Numerical methods for nonlinear PDEs and problems with nonlocal boundary conditions. 

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Publications. Journals with ISI SC Index – 12; Intern. reviewed journals, books, and ISI proceedings – 2; Lithuanian licensed issues – 4; Other journals and proceedings – 1.
DEPARTMENT OF SOFTWARE ENGINEERING
http://www.mif.vu.lt/katedros/se/WelcomeSE

Head Prof. Romas Baronas
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The department supervises the software engineering study program. The research areas of the department include software process, software engineering methods and tools, teaching software engineering, software quality management, business process modelling, information systems modelling, human–computer interaction, open queuing networks, message switching systems, computational modelling of physical–chemical processes, information security, electronic signature.

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D. Čiukšys. Business process ontology, business process knowledge reuse, software systems architecture.
donatas.ciuksys@mif.vu.lt, http://www.mif.vu.lt/~donatas

V. Čyraš. Legal informatics: formalizing teleology. Computing: (1) decision support systems in air traffic management, (2) legally ruled collaboration in three-dimensional virtual worlds.
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A. Kurtinaitis. Computer models of physical processes. Visualization of scientific data Database management systems.
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K. Lapin. Human computer interaction (HCI), User experience design (UED), teaching of HCI and UED.
kristina.lapin@mif.vu.lt, http://www.mif.vu.lt/~moroz/lapin

S. Minkevičius. System theory.
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T. Plankis. Between mathematics and informatics: Elliptic curves, programming in Windows API.
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L. Savičienė. Software process improvement. Aircraft collision probability and decision support system.
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V. Undzėnas. Electronic signature.

Publications. Journals with ISI SC Index – 5; Intern. reviewed journals, books, and ISI proceedings – 4; Lithuanian licensed issues – 7; Other journals and proceedings – 10.

DEPARTMENT OF ECONOMETRIC ANALYSIS  
http://www.mif.vu.lt/lt/katedros/ek/en  
Head Prof. Alfredas Račkauskas  
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Research areas of the department include financial econometrics; macroeconometrics; time series analysis, functional data analysis; limit theorems in probability and its applications to statistics and econometrics; bootstrap and other resampling methods in statistics and econometrics.

D. Celov. Long-memory time series models in macroeconomics.  
V. Characiejus. Doctoral student: Random processes with time-varying long memory parameter.


V. Kvedaras. Macroeconometrics.

R. Lapinskas. Regression methods in ecology and medicine.


A. Maldeikienė. Modern economic thought.

V. Maniūšis. Empirical characteristic functions.

J. Markevičiūtė. Functional central limit theorems for nearly nonstationary processes.

G. Murauskas. Information systems. Linear and generalized linear mixed models and their applications.


M. Radavičius. Nonparametrical and adaptive estimation; econometrics; classification; image analysis. mrad@ktl.mii.lt

I. Rastenė. Testing epidemic change in autoregressive processes. irma.rastene@mif.vu.lt

V. Zemlys. Functional limit theorems for summation processes. vaidotas.zemlys@mif.vu.lt

D. Zuokas. Functional data analysis, text analytics. danas.zuokas@mif.vu.lt

Publications. Journals with ISI SC Index – 8; Intern. reviewed journals, books, and ISI proceedings – 1; Lithuanian licensed issues – 2; Other journals and proceedings – 1.

DEPARTMENT OF MATHEMATICAL COMPUTER SCIENCE http://www.mif.vu.lt/katedros/matinf/indexa

Head Prof. Gediminas Stepanauskas
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The department was established in 2002 in order to consolidate teaching and research activities in the areas of information theory, cryptography, algorithms, and discrete mathematics. The research focuses on probabilistic analysis of number-theoretical structures, combinatorial statistics, and randomized algorithms.

G. Alkauskas. Analytic number theory, structural constants.
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G. Bareikis. Distributions of the arithmetical functions.
gintautas.bareikis@mif.vu.lt,
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16
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V. Stakėnas. Probabilistic number theory. Functions of Farey fractions.  
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http://www.mif.vu.lt/matinf/index.htm

L. Žvinytė. Doctoral student: Limit distributions of sums of additive functions.

Publications. Journals with ISI SC Index – 6; Intern. reviewed journals, books, and ISI proceedings – 0; Lithuanian licensed issues – 5; Other journals and proceedings – 1.
DOCTORAL THESES

1. **P. Banys.** Limit theorems for random linear fields via Beveridge–Nelson decomposition. Advisor prof. **V. Paulauskas.**

2. **E. Gaidamauskaitė.** Computational modeling of complex reactions kinetics in biosensors. Advisor prof. **R. Baronas.**


5. **K. Petrauskas.** Computational modelling of biosensors of complex geometry. Advisor prof. **R. Baronas.**

6. **J. Petrauskienė.** Poisson-type approximations for sums of dependent variables. Advisor prof. **V. Čekanavičius.**

7. **M. Pranckevičiūtė.** High-frequency data aggregation and Value-at-Risk. Advisor prof. **A. Račkauskas.**

PUBLICATIONS

Abbreviations:

LMR  Lietuvos Matematikos Rinkinys
LMJ  Lithuanian Mathematical Journal*

Monographs


Articles: Journals with ISI Science Citation Index


* Published by Springer, the former Lietuvos Matematikos Rinkinys.
**Boldface print is used for emphasizing the names of the faculty members.
R. Baronas, see [7].


R. Eidukevičius, see [13].


F. Ivanauskas, see [7].

F. Ivanauskas, see [16].


V. Kvedaras, see [32].


47. A. Laurinčikas, D. Šiaučiūnas, On the fourth power moment of the function $\zeta_\lambda(s)$. II, *Integral Transforms and Special Functions*, 2011, **22**(10), p. 759–765.

A. Laurinčikas, see [31].

R. Levuliene, see [1].


R. Markauskas, see [33].


   V. Paulauskas, see [56].
   J. Petrauskienė, see [14].
   M. Puida, see [28].


   I. Radavičius, see [12].


   V. Skakauskas, see [37].
   V. Skakauskas, see [38].
   V. Skorniakov, see [24].

   J. Šiaulys, see [40].
   J. Šiaulys, see [48].
   J. Šiaulys, see [49].
   J. Šiaulys, see [50].
   J. Šiaulys, see [63].
   G. Šemetulskis, see [20].

   A. Štikonas, see [62].
   O. Štikonienė, see [61].
   O. Štikonienė, see [62].
   M. Vaičiulis, see [57].


Ž. Žilinskas, see [54].


**Articles: International reviewed journals, books, and ISI proceedings**


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A. Juozapavičius, see [70].


83. V. Kvedaras, A. Račkauskas, D. Zuokas, Regression models of macroeconomic indicators with explanatory variables observed at a higher frequency, In: W. Milo, G. Szafrański, P. Wdowiński (Eds.), *Financial Markets: Principles of Modelling, Forecasting and Decision-making, 2011, No 9*, Lódź University Press, p. 87–100.


A. Račkauskas, see [83].


D. Zuokas, see [83].

**Articles: Lithuanian licensed journals**


K. Petrauskas, see [98].


M. Radavičius, see [117].

S. Ragaišis, see [121].


V. Stakėnas, see [112].

E. Stankus, see [93].

G. Stepanauskas, see [106].

D. Šimelevičius, see [97].

A. Štikonas, see [124].

A. Štikonas, see [126].

A. Štikonas, see [127].

P. Vaitkus, see [100].

V. Verikaitė, see [107].

V. Verikaitė, see [114].

Articles: Other


R. Baronas, see [129].


R. Kašuba, see [137].


K. Lapin, see [135].


A. Mitašiūnas, see [138].


M. Radavičius, see [149].

S. Ragaišis, see [151].

S. Ragaišis, see [152].


Š. Raudys, see [153].


L. Savičienė, see [135].


J. Šiaulys, see [157].

S. Zubė, see [144].


**Books, textbooks, lecture notes**


**Other publications**

Conference reports in 2011

*LII Conference of Lithuanian Mathematical Society, June 16–17, 2011, Military Academy of Lithuania*

1. A. Ambrazevičius, A. Eismontaitė, On a mathematical model of dissociative adsorption and associative desorption.
2. J. Andrikonis, R. Pliuškevičius, Contraction-free calculi for modal logics S5 and KD45.
3. A. Apynis, E. Mazėtis, Problems of mathematics education at secondary schools and gymnasia.
4. A. Apynis, R. Kašuba, E. Stankus, Regional mathematical contests.
5. A. Apynis, On application of Cramer’s rule.
6. A. Balčiūnas, Laplace transform of Dirichlet L-functions.
7. V. Bagdonavičius, J. Kruopis, R. Levulienė, Chi-squared goodness-of-fit test from censored samples.
8. G. Bareikis, A. Mačiulis, Pseudorandom permutations based on IFS.
9. E. Bieliauskiene, Ruin probability analysis in case of claims distributed according distinct geometrical laws.
11. V. Čekanavičius, Approximation of generalized series statistics with binomial distribution.
12. V. Daukšas, Correction of optimal control of a linear dynamic system.
15. A. Galinskis, P. Vaitkus, Asymptotic expansions of sums of quasilattice random variables.
16. N. Grigorjev, G. Stepanauskas, Schedules of lectures and Monte Carlo method.
17. J. Grigorjeva, R. Eidukevičius, F. Ivanauskas, Mathematical modelling of Vilnius University MIF development.
22. T. Kargina, On additive functions defined on the symmetric group.
23. K. Kaulakytė, Stationary Navier–Stokes equations with nonhomogeneous boundary condition in an unbounded domain.

24. P. Katauskis, F. Ivanauskas, Recognition of small concentration by using the biosensors.

25. P. Katauskis, V. Skakauskas, Computer investigation of the toxin, antibody, receptor interaction.

26. A. Kavaliauskas, Qualitative analysis of one mathematics module.

27. A. Kavaliauskas, I. Žilinskienė, Some aspects of teaching combinatorics and statistics.

28. R. Kudžma, L. Jakubonienė, Using the supporting material during the examination.


30. R. Leipus, J. Šiaulys, Large deviations for compound renewal process with dependent components.


32. V. Mackevičius, Verhulst versus CIR.

33. J. Markevičiūtė, A. Račkauskas, Ch. Suquet, Functional limit theorems for residuals of nearly nonstationary processes.

34. V. Merkys, H. Jasiūnas, R. Uždavinys, V. Verikaitė, Docent Borisas Voronkovas (1911–1987) 100 years.

35. G. Murauskas, M. Radavičius, Analysis of student WEB survey.

36. R. Naujikas, F. Ivanauskas, Mathematical modeling of biosensors with reverse binding.

37. K. Navickis, Geometry of nonholonomic complexes $NGr(1, 5, 5)$.

38. K. Navickis, Osculating hypersurfaces of higher order.

39. S. Norgėla, Rezolution for hybrid logics.

40. A. Pincevičius, A. Domarkas, S. Bekešienė, MAPLE in teaching mathematics at Military Academy of Lithuania.

41. A. Pincevičius, V. Jonevičius, G. Misevičius, Peculiarities of modeling the problem of outer ballistics.

42. R. Pupeikis, On recursive stopping of decimation of discrete-time bandlimited signals.

43. Š. Repšys, V. Skakauskas, A parasite population model.

44. S. Roman, A. Štikonas, Green’s function for discrete problems with nonlocal boundary conditions.

45. R. Rudalevičienė, R. Kašuba, Several simple remarks concerning the attractiveness and usefulness of “Kangaroo.”

46. T. Rudys, A. Čiginas, Approximations of the distribution of median in stratified samples.
47. J. Rukšénaitė, P. Vaitkus, Application of composite indices to estimation of EU economics.


49. S. Sajavičius, The weighted splitting finite-difference scheme for two-dimensional parabolic equation with nonlocal integral conditions.

50. V. Skakauskas, Some heterogeneous reactions models.

51. V. Stakénas, V. Kazakevičius, Distributions of the order statistics of prime divisors of rational numbers.

52. J.K. Sunklodas, On approximation of a sum of a random number of summands by a normal distribution.

53. O. Štikonienė, On complex and negative eigenvalues of difference operator with nonlocal conditions.

54. M. Vaičiulis, A new estimator of the tail index of distribution.

55. Ž. Žilinskas, E. Manstavičius, On the variance related to the Ewens sampling formula.

Other conference reports
Abbreviations:


JArithm 27th “Journées Arithmétiques”, June 27–July 1, 2011, Vilnius, Lithuania


LAS-Conf LAS Conference of Young Researchers “Interdisciplinary Research in Physical and Technological Sciences”, February 8, 2011, Vilnius


5. V. Ašeris, Computational modelling of the biosensor with chemically modified electrode, LAS-Conf, 2011.
8. E. Bieliauskiene, J. Šiaulys, Analysis of the ruin probability for insurance company in the case at inhomogeneous claims, LAS-Conf.


36. V. Kurauskas, Random graphs with disjoint forbidden minors, Palanga-11.


49. E. Manstavičius, Kubilius fundamental lemma on partitions, Palanga-11.


52. G. Misevičius, A joint limit theorem for $L$-functions of newforms, JArithm, Abstracts, 2011, p. 44.


77. **A. Zinevičius**, On the average number of rational points of bounded height on hyperelliptic curves, *JArithm*, p. 66.

78. **Ž. Žilinskas**, On a variance related to the Ewens sampling formula, *Palanga-11*.

**Other lectures and reports**


8. **D. Surgailis**, Three seminar talks: Nonhomogeneous fractional stochastic integration (discrete time); Nonhomogeneous fractional stochastic integration (continuous time); Two-sample tests for equality of long memory parameters. *Michigan State University, USA*, April 4–May 5.
SCIENTIFIC CONTACTS

Participation in international projects


3. **V. Dagienė**. Member of the editorial board of the International Journal of Instruction (http://www.e-iji.net).

4. **V. Dagienė**. International Steering Committee member of International Olympiad in Informatics with participation of over 80 countries (since 2006).


6. **V. Dagienė**. Expert for EU programme EUREKA Eurostars.

7. **V. Dagienė**. Member of the Committee on Doctoral studies of Education of Consortium leading by Lithuanian Educology University.

8. **V. Dagienė**. Member of the Committee on Doctoral studies of Education of Consortium leading by Vytautas Magnus University.

9. **V. Dagienė**. Chair of International Doctoral Consortium on Informatics engineering education research.

10. **V. Dagienė**. Member of the Board on General Education of the Ministry of Education and Science.

11. **V. Dagienė**. Vice chair of the TC3 Committee on Education at International Federation for Information Processing (IFIP), since 2007.

12. **V. Dagienė**. Vice chair of the SIG3.9, Special Interest Group on Digital Lietaracy at International Federation for Information Processing (IFIP).

13. **V. Dagienė**. Founder and head of the International Contests on Informatics and Computer Fluency BEBRAS (Beaver) with 26 countries involved.


21. **E. Manstavičius.** Member of the mathematics/engineering panel of ERA; “Marie Curie Actions”, Programme “People”.


23. **A. Mitašiūnas.** Advisory Board member, author, and reviewer of worldwide project Enterprise SPICE with participation of 108 experts from 30 countries and 5 continents.

24. **A. Mitašiūnas.** Project leader of the Partner – Vilnius University in the Consortium of Grant Contract for the implementation of the project #007, Baltic Organization and Network of Innovation Transfer Associations, BONITA of the Baltic Sea Region Programme 2007–2013.

25. **A. Mitašiūnas.** Participates in the PERSEUS project as an international expert in cooperation between teaching and research, adapting university curricula to the needs of industry and business. The PERSEUS project aims to extend regional cooperation within higher education, research, and business. This can imply strengthening relations between teaching and research, adapting university curricula to the needs of industry and business, and/or having businesses heighten investment in research.

26. **A. Mitašiūnas.** Represents the department in the Informatics Europe – association of computer science departments of universities and research laboratories, public and private, in Europe and neighboring areas. The mission of Informatics Europe is to foster the development of quality research and teaching in information and computer sciences.

27. **A. Mitašiūnas.** Expert of Tempus IV Project “Plan to Establish Research-Science-Enterprise oriented Universities for the benefit of Society”.


30. **V. Tumasonis.** Taking part in Unicode Consortium for developing the Unicode Standard.
Visits by staff

1. **G. Bareikis**. University Constantin Brancoveanu, Romania. April 11–17.
3. **M. Bloznelis**. Bedlewo, Poland. June 12–18.
7. **M. Bloznelis**. Poznan, Poland. October 26–November 11; November 27–December 16.
10. **V. Dagiene**. Visiting professor at Munster University, Germany. September 10–18, 2011.
11. **V. Dagiene**. Visiting professor at Comenius University, Bratislava, Slovakia. October 20–30, 2011.
14. **V. Kurauskas**. Jagiellonian University, Krakow, Poland. December 11–16.
15. **V. Kvedaras**. Trade, Growth, and Wages – Lectures and Workshop, Johannes Gutenberg Universitaet, Mainz, Germany. August 29–September 2.
19. **J. Markevičiūtė**. University of Science and Technology (Lille 1), Lille, France. Cotutorial theses visit. January 31–April 29.
20. **J. Markevičiūtė**. University of Science and Technology (Lille 1), Lille, France. Visit with the bilateral Lithuania–France research program Gilibert. September 5–17.
25. **G. Stepanauskas.** IT Meeting: Motivation Projects (MPRO), Gerloss, Austria. March 8–12.


27. **G. Stepanauskas.** EMS-RSME Joint Mathematical Weekend, Bilbao, October 6–11.

28. **D. Surgailis.** Michigan State University, USA. April 4–May 5.


**Foreign visitors**

1. Anorgul Ashirova, Urgench State University, Usbekistan. Doctoral student. February–May.

2. Thomas Christ, University of Würzburg, Germany. Doctoral student. September–December.

3. Prof. Yurii Davydov, Lille 1 University, France. July 8–27.


5. Prof. Raphael Lachieze-Rey, Lille University, France. July 11–18.

6. Frédéric Lavancier, Nantes University. June.

7. Prof. Tomasz Luczak, Adam Mickiewicz University, Poznan, Poland. May 9–15.

8. Prof. Laurence Marsalle, Lille University, France. May 2–13.

9. Prof. Masumi Nakajima, Kagoshima University. One-year stay (up to August 18, 2011).


11. Prof. Noa Ragonis, Beit Berl Israel Institute of Technology (Technion). October 20–27.

12. Yang Yang, School of Mathematics and Statistics, Nanjing Audit University. February–August.
GRANTS, AWARDS


7. V. Dagienė. ETH (Switzerland) Award, the honorary gold medal for contributions to School Informatics in Europe (2011).


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