

12th SERBIAN MATHEMATICAL CONGRESS

August 28 - September 2, 2008 NOVI SAD, SERBIA

LIST OF REGISTERED LECTURES

SECTION I

- 1 Tatjana Aleksić (Faculty of Science, Kragujevac, Serbia)
Estrada index of iterated line graphs
- 2 Miloš Arsenijević (Faculty of Philosophy, Belgrade, Serbia)
 $SL_{\{\omega_1\}}$ Axiomatization of the Linear Archimedean Continuum
- 3 Vladimir Baltić (Faculty of Organizational Sciences, Belgrade, Serbia)
Connections between restricted permutations and Fibonacci numbers
- 4 Dragić Banković (Faculty of Science, Kragujevac, Serbia)
Boolean inequations and generalized systems
- 5 Bojana Borovičanin (Faculty of Science, Kragujevac, Serbia)
On harmonic graphs
- 6 Vesna Celakoska-Jordanova (Faculty of Natural Sciences and Mathematics, Skopje, Macedonia)
Free power commutative groupoids
- 7 Nada Damljanović (Technical Faculty, University of Kragujevac, Čačak, Serbia)
Subdirect Decompositions of Idempotent Semirings
- 8 Vidan Govedarica (Faculty of Electrical Engineering, Istočno Sarajevo, Bosnia and Herzegovina)
Heronian and lattice triangles
- 9 Milan Grulović (Department of Mathematics and Informatics, Novi Sad, Serbia)
Marginalia on model-theoretic forcing
- 10 Angelina Ilić Stepić (Faculty of Mathematics, Belgrade, Serbia)
Fundamental theorems of analysis in formally real fields
- 11 Nader Jafari Rad (Department of Mathematics, Shahrood University of Technology, Shahrood, Iran)
A new critical condition on total domination
- 12 Dušan Jokanović (Faculty of Natural Sciences and Mathematics, Podgorica, Montenegro)
A note to Armendariz rings
- 13 Miodrag Kapetanović (Mathematical Institute, Serbian Academy of Sciences and Arts, Belgrade, Serbia)
A Note on Herbrand's Theorem
- 14 Darko Kocev (Technical Faculty, University of Belgrade, Bor, Serbia)
Menger-like spaces
- 15 Tamara Koledin (Faculty of Electrical Engineering, Belgrade, Serbia)
On a class of maximal unicyclic reflexive graphs
- 16 Žana Kovijanić Vukićević (Faculty of Natural Sciences and Mathematics, Podgorica, Montenegro)
Zero-one law in a problem of discrete mathematics
- 17 Miloš Kurilić (Department of Mathematics and Informatics, Novi Sad, Serbia)
Power-Collapsing Games

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- 19 Alija Mandak (Teacher Education Faculty (Prizren), Leposavić, Serbia)
Multiquasigroups and weighted projective spaces
- 20 Petar Marković (Department of Mathematics and Informatics, Novi Sad, Serbia)
CSP for algebras in a congruence distributive variety
- 21 Dragan Mašulović (Department of Mathematics and Informatics, Novi Sad, Serbia)
Some homomorphism-homogeneous semilinear spaces
- 22 Romeo Meštrović (Maritime Faculty, University of Montenegro, Kotor, Montenegro)
Characterization of primes and prime powers
- 23 Tijana Milenković (Computer Science Department, University of California, Irvine, USA)
Uncovering Biological Network Function via Graphlet Degree Signatures
- 24 Radoslav Milošević (Faculty of Philosophy, University of East Sarajevo, Pale, Bosnia and Herzegovina)
Theorem of densely arranged recursive structure
- 25 Nebojša Mudrinski (Department of Mathematics and Informatics, Novi Sad, Serbia)
Some Applications of Higher Commutators in Mal'cev Algebras
- 26 Aleksandar Pavlović (Department of Mathematics and Informatics, Novi Sad, Serbia)
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- 27 Aleksandar Perović (Faculty of Traffic and Transport Engineering, Belgrade, Serbia)
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- 28 Miroslav Petrović (Faculty of Science, Kragujevac, Serbia)
Bicyclic graphs for which the least eigenvalue is minimal
- 29 Zoran Z. Petrović (Faculty of Mathematics, Belgrade, Serbia)
On graphs associated to rings with identity
- 30 Žarko Popović (Faculty of Economics, Niš, Serbia)
Semilattice of hereditary weakly left Archimedean semigroups
- 31 Petar Protić (Faculty of Civil Engineering and Architecture, Niš, Serbia)
*Kernel normal system of inverse AG^{**} -groupoids*
- 32 Nataša Pržulj (Computer Science Department, University of California, Irvine, USA)
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- 33 Zoran Radosavljević (Faculty of Electrical Engineering, Belgrade, Serbia)
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- 36 Boris Šobot (Department of Mathematics and Informatics, Novi Sad, Serbia)
A game on Boolean algebras describing the collapse of the continuum
- 37 Tanja Stojadinović (Faculty of Mathematics, Belgrade, Serbia)
Hopf algebras over operads
- 38 Zoran Stojaković (Department of Mathematics and Informatics, Novi Sad, Serbia)
On sets of orthogonal d -cubes
- 39 Sonja Tebaković (Faculty of Mathematics, Belgrade, Serbia)
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- 40 Mirjana Vuković (Department of Mathematics and Informatics, University of Sarajevo, Sarajevo, Bosnia and Herzegovina)
Paragraded rings and some open questions
- 41 Kristina Vušković (University of Leeds, Leeds, UK)
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- 42 Miloš Živanović (Faculty of Mechanical Engineering, Belgrade, Serbia)
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- 43 Miodrag Živković (Faculty of Mathematics, Belgrade, Serbia)
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- 3 Sandra Buhmiller (Faculty of Technical Sciences, Novi Sad, Serbia)
A new smoothing quasi-Newton method for nonlinear complementarity problem
- 4 Vladimir Ćurić (Faculty of Technical Sciences, Novi Sad, Serbia)
Optimization of Operative Control in Water Distributional System
- 5 Aleksandar Cvetković (Department of Mathematics, Faculty of Electronic Engineering, Niš, Serbia)
Complex Borel measures and orthogonal polynomials
- 6 Tatjana Đaković-Sekulić (Department of Chemistry, Faculty of Sciences, Novi Sad, Serbia)
Statistical analysis in physico-chemical characterization of newly synthesized compounds
- 7 Nataša Dragnić (Faculty of Medicine, Novi Sad, Serbia)
Statistical methods in research of public health of adult population in Vojvodina in 2006
- 8 Wayne Hayes (University of California, Irvine, Irvine, CA, USA)
Is the Outer Solar System Chaotic?
- 9 Đorđe Herceg (Department of Mathematics and Informatics, Novi Sad, Serbia)
An almost sixth-order finite difference method for singularly perturbed BVPs
- 10 Dragoslav Herceg (Department of Mathematics and Informatics, Novi Sad, Serbia)
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- 11 Nebojša Ivković (Business Technical College, Užice, Serbia)
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- 12 Milojica Jaćimović (Department of Mathematics, Faculty of Natural Sciences and Mathematics, Podgorica, Montenegro)
Gap functions and Error Bounds for Variational Inequalities
- 13 Boško Jovanović (Faculty of Mathematics, Belgrade, Serbia)
About a Parabolic Transmission Problem
- 14 Vladimir Jovanović (Faculty of Sciences, Banja Luka, Bosnia and Herzegovina)
Error estimates for finite volume schemes for systems of balance laws
- 15 Vera Kovačević-Vujčić (Faculty of Organizational Sciences, Belgrade, Serbia)
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- 16 Nataša Krejić (Department of Mathematics and Informatics, Novi Sad, Serbia)
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- 18 Slađana Marinković (Department of Mathematics, Faculty of Electronic Engineering, Niš, Serbia)
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- 19 Milan Milošević (Faculty of Electrical Engineering, Belgrade, Serbia)
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- 20 Gradimir Milovanović (Department of Mathematics, Faculty of Electronic Engineering, Niš, Serbia)
Extensions and Generalizations of Gaussian Quadratures
- 21 Biljana Nachevska (Faculty of Electrical Engineering and Information Technologies, Skopje, Macedonia)
Different kinds of generalized inverses, extended results and applications
- 22 Karolina Nemes (Department of Biology and Ecology, Faculty of Sciences, Novi Sad, Serbia)
The research of stretching of the Danube river in the city of Novi Sad
- 23 Daniel Peterseim (Institut für Mathematik, Universität Zürich, Zürich, Switzerland)
Efficient treatment of essential boundary conditions on complicated domains
- 24 Ljiljana Petković (Department of Mathematics, Faculty of Mechanical Engineering, Niš, Serbia)
The link between the Schroeder methods of the first and second kind
- 25 Marko Petković (Faculty of Sciences and Mathematics, Niš, Serbia)
On the Hankel transform of some integer sequences
- 26 Sanja Račić (Department of Mathematics and Informatics, Novi Sad, Serbia)
Market trading activity - Evidence from the London Stock Exchange
- 27 Danijela Rajter-Ćirić (Department of Mathematics and Informatics, Novi Sad, Serbia)
A note on stochastic predator-prey model with migration
- 28 Andrea Rožnjik (Faculty of Civil Engineering, Subotica, Serbia)
VaR Optimal Portfolio with Transaction Costs
- 29 Marija Stanić (Department of Mathematics and Informatics, Faculty of Science, Kragujevac, Serbia)
Numerical integration of oscillatory function
- 30 Jelena Stanojević (Faculty of Economics, Belgrade, Serbia)
A Large Deviations Theory in quantil estimate converges
- 31 Vesna Stojaković (Department of Architecture, Faculty of Technical Sciences, Novi Sad, Serbia)
3D modeling based on photographic data
- 32 Katarina Surla (Department of Mathematics and Informatics, Novi Sad, Serbia)
A Robust Layer-Resolving Spline Collocation Method for a Convection-Diffusion Problem
- 33 Nataša Teodorović (Faculty for Entrepreneurial Management, Novi Sad, Serbia)
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- 35 Vojislav Timarac (Faculty of Economics, Banja Luka, Bosnia and Herzegovina)
An Inexact Newton Smoothing Method for Linear Programs
- 36 Branko Urošević (SECCF and Faculty of Economics, Belgrade, Serbia)
Asset Pricing and Optimal Trading of a Large Shareholder
- 37 Helena Zarin (Department of Mathematics and Informatics, Novi Sad, Serbia)
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- 2 Ivan Arandelović (Faculty of Mechanical Engineering, Belgrade, Serbia)
Contractions of integral type - recent results
- 3 Miloš Arsenović (Faculty of Mathematics, Belgrade, Serbia)
On Lipschitz continuity of harmonic quasiregular maps on the unit ball in R^n
- 4 Nataša Babačev (Faculty of Electrical Engineering, Belgrade, Serbia)
Spaces with non-deterministic distances and fixed point theorems
- 5 Velibor Bojković (Faculty of Natural Sciences and Mathematics, Podgorica, Montenegro)
Linearization of the Riemann problem for a triangular system of conservation law and δ shock wave formation process
- 6 Slagjana Brsakoska (Faculty of Natural Sciences and Mathematics, Skopje, Macedonia)
About the invariance of the classic Lagrange method for solving of one class of the Vecua equation
- 7 Mirko Budinčević (Department of Mathematics and Informatics, Novi Sad, Serbia)
A comparison theorem of differential equations
- 8 Stana Cvejić (Faculty of Science and Mathematics, Kosovska Mitrovica, Serbia)
Bi-amplitude oscillations of second order. Asymptotic behaviour and Prodi theorem
- 9 Dragana Cvetković-Ilić (Faculty of Sciences and Mathematics, Niš, Serbia)
Representations for the Drazin inverse of 2×2 block matrices
- 10 Danijela Damjanović (Harvard University, Cambridge, MA, USA)
Rigidity of some higher rank abelian actions
- 11 Nebojša Dedović (Faculty of Agriculture, Novi Sad, Serbia)
Wave Front Tracking and Delta Shock Waves Interactions
- 12 Slađana Dimitrijević (Faculty of Science, Kragujevac, Serbia)
The new concept of statistical causality and weak solutions of stochastic differential equations
- 13 Nebojša Dinčić (Faculty of Sciences and Mathematics, Niš, Serbia)
Reverse order law for the Moore-Penrose inverse
- 14 Diana Dolićanin (Department of Mathematics, Faculty of Technical Science, Kosovska Mitrovica, Serbia)
Vector field divergence application to a construction method of mathematical model of non-linear circuits
- 15 Ivana Đolović (Technical Faculty, University of Belgrade, Bor, Serbia)
Application of Hausdorff measure of noncompactness to some Euler spaces of difference sequence of order m
- 16 Dragan Đorđević (Faculty of Sciences and Mathematics, Niš, Serbia)
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- 18 Ljiljana Gajić (Department of Mathematics and Informatics, Novi Sad, Serbia)
Common fixed point on cone metric spaces
- 19 Claudia Garetto (Institut für Grundlagen der Bauingenieurwissenschaften Universität Innsbruck, Innsbruck, Austria)
Solvability of PDEs in the Colombeau context
- 20 Dušan Georgijević (Faculty of Mechanical Engineering, Belgrade, Serbia)
One node interpolation in the Stieltjes class
- 21 Ioan Golet (Politehnica University, Timisoara, Romania)
Approximation theorems in probabilistic metric spaces
- 22 Michael Grosser (Fakultaet fuer Mathematik, Vienna, Austria)
Representations of distribution spaces and automatic continuity
- 23 Guenther Hoermann (Fakultaet fuer Mathematik, Vienna, Austria)
Old and new solution concepts for ODEs and applications to hyperbolic PDEs
- 24 Ivana Ilić (Faculty of Medicine, Niš, Serbia)
On asymptotic properties of Hills estimator based on incomplete dependent data
- 25 Bratislav Iričanin (Faculty of Electrical Engineering, Belgrade, Serbia)
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- 26 Slobodanka Janković (Mathematical Institute, Serbian Academy of Sciences and Arts, Belgrade, Serbia)
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- 27 Svetlana Janković (Faculty of Sciences and Mathematics, Niš, Serbia)
Razumikhin-type theorems for neutral stochastic functional differential equations
- 28 Danko Jocić (Faculty of Mathematics, Belgrade, Serbia)
Direktna integracija racionalnih funkcija
- 29 Biljana Jolevska-Tuneska (Faculty of Electrical Engineering and Information Technologies, Skopje, Macedonia)
On the non-commutative neutrix product involving slowly varying functions
- 30 Miljana Jovanović (Faculty of Sciences and Mathematics, Niš, Serbia)
Neutral stochastic functional differential equations dependent on parameters
- 31 Andrzej Kaminski (Institute of Mathematics, University of Rzeszow, Rzeszow, Poland)
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- 32 Miljan Knežević (Faculty of Mathematics, Belgrade, Serbia)
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- 34 Sanja Konjik (Faculty of Agriculture, Novi Sad, Serbia)
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- 35 Michael Kunzinger (Faculty of Mathematics, University of Vienna, Vienna, Austria)
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- 36 Milena Lekić (Faculty of Science and Mathematics, Kosovska Mitrovica, Serbia)
200 years qualitative theory of differential equations analysis. Sturm's theorem's.
- 37 Tijana Levajković (Faculty of Traffic and Transport Engineering, Belgrade, Serbia)
Chaos expansion with fractional Brownian motion
- 38 Aleksa Malcheski (Faculty of Mechanical Engineering, Skopje, Macedonia)
Some classes of 2-linear functionals
- 39 Jelena Manojlović (Faculty of Sciences and Mathematics, Niš, Serbia)
Oscillation Criteria for Certain Fourth Order Nonlinear Functional Differential Equations
- 40 Vesna Manojlović (Faculty of Organizational Sciences, Belgrade, Serbia)
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- 41 Vesna Manova-Erakovik (Faculty of Natural Sciences and Mathematics, Skopje, Macedonia)
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- 42 Vojislav Marić (Serbian Academy of Sciences and Arts (Branch in Novi Sad), Novi Sad, Serbia)
Regularly varying solutions of second order nonlinear functional differential equations
- 43 Jean-Andre Marti (Université des Antilles et de la Guyane, Guadeloupe, France)
Understanding of some regularizing processes
- 44 Miodrag Mateljević (Faculty of Mathematics, Belgrade, Serbia)
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- 45 Marija Milošević (Faculty of Sciences and Mathematics, Niš, Serbia)
Analytic approximations of solutions to stochastic differential delay equation
- 46 Svetlana Mincheva-Kaminska (Institute of Mathematics, University of Rzeszow, Rzeszow, Poland)
On the equivalence of various sequential definitions of the product of distributions and tempered distributions
- 47 Radoslava Mirkov (Bank Austria, Vienna, Austria)
Tree Approximations of Dynamic Stochastic Programs
- 48 Eugenia Mishchenko (Sobolev Institute of Mathematics, Novosibirsk, Russia)
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- 51 Dijana Mosić (Faculty of Sciences and Mathematics, Niš, Serbia)
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- 52 Marko Nedeljkov (Department of Mathematics and Informatics, Novi Sad, Serbia)
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- 53 Marko Obradović (Faculty of Mathematics, Belgrade, Serbia)
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- 54 Ljubica Oparnica (Mathematical Institute, Serbian Academy of Sciences and Arts, Belgrade, Serbia)
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- 55 Žarko Pavićević (Faculty of Natural Sciences and Mathematics, Podgorica, Montenegro)
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- 56 Hajnalka Peics (Faculty of Civil Engineering, University of Novi Sad, Subotica, Serbia)
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- 57 Medo Pepić (Faculty of Natural Sciences and Mathematics, Sarajevo, Bosnia and Herzegovina)
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- 58 Dušanka Perišić (Department of Mathematics and Informatics, Novi Sad, Serbia)
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- 59 Zornitza Petrova (Faculty of Applied Mathematics and Informatics, Sofia, Bulgaria)
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- 60 Milenko Pikula (Faculty of Philosophy, University of East Sarajevo, Pale, Bosnia and Herzegovina)
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- 61 Stevan Pilipović (Department of Mathematics and Informatics, Novi Sad, Serbia)
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- 62 Miloje Rajović (School of Mechanical Engineering, Kraljevo, Serbia)
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- 63 Andriy Rakhnin (Ukrainian Railroad State Academy, Kharkiv, Ukraine)
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- 64 Dušan Rakić (Faculty of Technology, Novi Sad, Serbia)
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- 66 Vasko Rečkovski (Faculty of Tourism and Hospitality, University Kliment Ohridski, Ohrid, Macedonia)
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- 67 Katerina Saneva (Faculty of Electrical Engineering and Information Technologies, Skopje, Macedonia)
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- 68 Radoje Šćepanović (Faculty of Natural Sciences and Mathematics, Podgorica, Montenegro)
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- 69 Dora Seleši (Department of Mathematics and Informatics, Novi Sad, Serbia)
On the stochastic Dirichlet problem
- 70 Slavko Simić (Mathematical Institute, Serbian Academy of Sciences and Arts, Belgrade, Serbia)
An extension of Stolarsky means
- 71 Suzana Simić (Faculty of Science, Kragujevac, Serbia)
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- 72 Petar Sokoloski (Faculty of Natural Sciences and Mathematics, Skopje, Macedonia)
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- 73 Bogoljub Stanković (Department of Mathematics and Informatics, Novi Sad, Serbia)
Equations with left nad right fractional derivatives
- 74 Dragana Stanojević (Faculty of Science and Mathematics, Kosovska Mitrovica, Serbia)
Statistical causality and weak solutions of different types of stochastic differential equations driven by martingales
- 75 Diana Stoeva (University of Architecture, Civil Engineering and Geodesy, Sofia, Bulgaria)
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- 76 Mila Stojaković (Faculty of Technical Sciences, Novi Sad, Serbia)
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- 77 Mirjana Stojanović (Department of Mathematics and Informatics, Novi Sad, Serbia)
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- 78 Jela Šušić (Faculty of Natural Sciences and Mathematics, Podgorica, Montenegro)
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- 79 Đurđica Takači (Department of Mathematics and Informatics, Novi Sad, Serbia)
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- 80 Nenad Teofanov (Department of Mathematics and Informatics, Novi Sad, Serbia)
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- 82 Olga Udodova (Department of Mathematics, Ukrainian State Academy of Railway Transport, Kharkov, Ukraine)
Spectrum of Bezcovitch's almost periodic functions in a finite dimensional space
- 83 Maja Vasilova (Faculty of Sciences and Mathematics, Niš, Serbia)
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- 84 Hans Vernaev (University of Innsbruck, Innsbruck, Austria)
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- 85 Đorđe Vukomanović (Faculty of Civil Engineering, Belgrade, Serbia)
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- 2 Vladimir Božin (Faculty of Mathematics, Belgrade, Serbia)
Quasiconformally homogenous surfaces
- 3 Emilija Celakoska (Dept. Math. & Informatics, Faculty of Mech. Eng., Sts. Cyril and Methodius Univ. Skopje, Skopje, Macedonia)
On Isometry Links between 4-Velocity Vectors
- 4 Mirjana Đorić (Faculty of Mathematics, Belgrade, Serbia)
CR submanifolds of maximal CR dimension in Kähler manifolds
- 5 Vladimir Dragović (Mathematical Institute, Serbian Academy of Sciences and Arts, Belgrade, Serbia)
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- 6 Adrian Gheorghe Lupu (Technical High School "Decebal", Drobeta Turnu Severin, Romania)
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- 7 Ana Hinić (Faculty of Science, Kragujevac, Serbia)
Some curvature conditions on Chen Ideal Submanifolds involving Ricci operator
- 8 Eduardo Hulett (Facultad de Matematica Astronomia y Fisica (FaMAF), Cordoba, Argentina)
Spacelike surfaces in De Sitter 3-space via twistor lifts
- 9 Milan Janić (Technical Faculty, University of Belgrade, Bor, Serbia)
Some discussions related to disjoint Baer subplanes
- 10 Božidar Jovanović (Mathematical Institute, Serbian Academy of Sciences and Arts, Belgrade, Serbia)
Various Aspects of Integrable Systems on Homogeneous Spaces
- 11 Zoran Knežević (Astronomical Observatory, Belgrade, Serbia)
Application of the Nekhoroshev theorem to the real dynamical system
- 12 Svetislav Minčić (Faculty of Sciences and Mathematics, Niš, Serbia)
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- 13 Emilija Nešović (Faculty of Science, Kragujevac, Serbia)
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- 14 Stana Nikčević (Faculty of Pharmacy, Belgrade, Serbia)
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- 15 Miroslava Petrović-Torgašev (Faculty of Science, Kragujevac, Serbia)
Symmetries and ideal submanifolds
- 16 Mileva Prvanović (Mathematical Institute, Serbian Academy of Sciences and Arts, Belgrade, Serbia)
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- 18 Aleksandar Šebeković (Technical Faculty, University of Kragujevac, Čačak, Serbia)
Wintgen Ideal Submanifolds
- 19 Nikita Shekutkovski (Faculty of Mathematics and Natural Sciences, University "Ss. Cyril and Methodius", Skopje, Macedonia)
Intrinsic definition of strong shape
- 20 Roland Steinbauer (Department of Mathematics, University of Vienna, Vienna, Austria)
A Note on Distributional (Pseudo-)Riemannian Geometry
- 21 Jelena Stojanov ("Mihajlo Pupin" Technical Faculty, Zrenjanin, Serbia)
Tangent structure in specially decomposed Tangent bundle of higher order osculator space
- 22 Nataša Todorović (Astronomical Observatory, Belgrade, Serbia)
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- 2 Zoran Budimac (Department of Mathematics and Informatics, Novi Sad, Serbia)
ICT for school system and teachers
- 3 Tatjana Davidović (Mathematical Institute, Serbian Academy of Sciences and Arts, Belgrade, Serbia)
Well-suited Multiprocessor Topologies with small number of processors
- 4 Bojana Dimić (Department of Mathematics and Informatics, Novi Sad, Serbia)
Description of bibliographic formats by XMLSchema language
- 5 Ildiko Farkaš (Gimnazija, Senta, Srbija)
Programiranje igrajući
- 6 Jelena Hadži-Purić (Faculty of Mathematics, Belgrade, Serbia)
Clustering Categorical Data Using Partial Centre
- 7 Ronald Hochreiter (Department of Statistics and Decision Support Systems, University of Vienna, Vienna, Austria)
A Stochastic Programming Approach for QoS-Aware Service Composition
- 8 Mirjana Ivanović (Department of Mathematics and Informatics, Novi Sad, Serbia)
Choice of First Programming Language - Never-ending Story
- 9 Jelena Ivetić (Faculty of Technical Sciences, Novi Sad, Serbia)
Preservation of Strong Normalisation in Intuitionistic Sequent Calculi
- 10 Svetlana Jakšić (Faculty of Technical Sciences, Novi Sad, Serbia)
Types for information access control in λ -calculus
- 11 Aleksandar Kupusinac (Faculty of Technical Sciences, Novi Sad, Serbia)
Class composition and correctness
- 12 Vladimir Kurbalija (Department of Mathematics and Informatics, Novi Sad, Serbia)
Case-Based Reasoning Framework For Generating Decision Support Systems
- 13 Tibor Lukić (Faculty of Engineering, Novi Sad, Serbia)
Deterministic Optimization Methods for Defuzzification of Fuzzy Segmented Images
- 14 Tatjana Lutovac (Faculty of Electrical Engineering, Belgrade, Serbia)
A Loop Detection Mechanism for Propositional Affine Logic
- 15 Bojan Marinković (Mathematical Institute, Serbian Academy of Sciences and Arts, Belgrade, Serbia)
Proposal for National Catalogue of Digitized Cultural Heritage
- 16 Miodrag Mihaljević (Mathematical Institute, Serbian Academy of Sciences and Arts, Belgrade, Serbia)
On Solving Certain Overdefined Systems of Probabilistic Linear Equations over $GF(2)$

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SECTION V

- 17 Nenad Mitić (Faculty of Mathematics, Belgrade, Serbia)
Functional programming, Types and Databases
- 18 Dragoslav Pešović (Department of Mathematics and Informatics, Novi Sad, Serbia)
Distributed Mobile Agent Workflow
- 19 Miloš Radovanović (Department of Mathematics and Informatics, Novi Sad, Serbia)
Text Mining: Approaches and Applications
- 20 Stevan Šćepanović (Faculty of Natural Sciences and Mathematics, Podgorica, Montenegro)
Modelling of interprocess communication in distributed systems
- 21 Miloš Stojaković (Department of Mathematics and Informatics, Novi Sad, Serbia)
Winning fast in positional games
- 22 Perica Štrbac (Megatrend University, Belgrade, Serbia)
Upgraded Petri Net Model of the Fast Fourier Transform as a Processing Element of Systolic Architecture
- 23 Danijela Tešendić (Department of Mathematics and Informatics, Novi Sad, Serbia)
Software package for communication between client and server side of circulation system
- 24 Savo Tomović (Faculty of Natural Sciences and Mathematics, Podgorica, Montenegro)
Mining Association Rules from Transactional Databases and Apriori Multiple Algorithm
- 25 Milan Tuba (Faculty of Mathematics, Belgrade, Serbia)
Digital Signature Security and the Hash Function Irregularity
- 26 Milan Vidaković (Computing and Control Department, Faculty of Technical Sciences, Novi Sad, Serbia)
Usage of Agents in Document Management
- 27 Dragiša Žunić (Foreign Trade Faculty, Business Academy, Novi Sad, Serbia)
Diagrammatic classical computation

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SECTION VI

- 1 Vesna Babović (Gimnazija "Stevan Sremac", Niš, Srbija)
Vizuelno poimanje kompleksnih brojeva
- 2 Vladimir Baltić (Fakultet organizacionih nauka, Beograd, Srbija)
Logičko-kombinatorni zadaci u srednjoj školi
- 3 Ostap Davydov (Chelyabinsk State Agricultural University, Chelyabinsk, Russia)
Statistical competences for purpose of ISO 9000
- 4 Mirko Dejić (Teachers Training Faculty, Belgrade, Serbia)
Matematički počeci kod starih Slovena - numeracija
- 5 Ljubica Diković (Visoka poslovno-tehnička škola, Užice, Srbija)
Eksperimentalni prilog ispitivanja efekata inovacija u nastavi linearne algebre kao dopune klasičnom obliku rada
- 6 Valentina Gogovska (Faculty of Natural Sciences and Mathematics, Skopje, Macedonia)
Linking Teaching and Researching
- 7 Tine Golež (St. Stanislav Institution for Education (Diocesan Classical Gymnasium), Ljubljana Šentvid, Slovenia)
Real time measurements - a new tool for mathematics teaching
- 8 Dragoslav Herceg (Department of Mathematics and Informatics, Novi Sad, Serbia)
Približni brojevi u osnovnoj i srednjoj školi
- 9 Vait Ibro (Učiteljski fakultet iz Prizrena u Leposaviću, Univerziteta u Prištini u Kosovskoj Mitrovici, Leposavić, Srbija)
Development of mathematics curriculums in high schools
- 10 Snežana Ivković (Visoka škola strukovnih studija za vaspitače, Pirot, Srbija)
Formiranje pojma broja pet putem problemske nastave
- 11 Milan Janjić (Prirodno-matematički fakultet, Banja Luka, Bosna i Hercegovina)
Neke formule slične Njutnovoj binomnoj formuli
- 12 Vesna Jevremović (Faculty of Mathematics, Belgrade, Serbia)
Kineska matematika, nekad i sad – šta možemo da naučimo?
- 13 Milan Jovanović (Faculty of Sciences, Banja Luka, Bosnia and Herzegovina)
Razvoj u red tangensne funkcije
- 14 Đorđe Kadijević (Megatrend University and Mathematical Institute, Serbian Academy of Sciences and Arts, Belgrade, Serbia)
Learning mathematics with CASIO ClassPad 330
- 15 Đorđe Kadijević (Megatrend University and Mathematical Institute, Serbian Academy of Sciences and Arts, Belgrade, Serbia)
Looking back at ICME-11

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- 16 Péter Körtesi (Department of Mathematics, University of Miskolc, Miskolc-Egyetemvaros, Hungary)
European Virtual Laboratory of Mathematics in Miskolc
- 17 Nenad Kuzmanović (TSS-SMSI "D. Alighieri", Pula, Croatia)
Mathematical Projects
- 18 Zoran Lučić (Faculty of Mathematics, Belgrade, Serbia)
Kako je mogao izgledati Eudoksov dokaz osnovne teoreme sličnosti
- 19 Zorana Lužanin (Department of Mathematics and Informatics, Novi Sad, Serbia)
Motivacija i demotivacija učenika za nastavu matematike
- 20 Zorana Lužanin (Department of Mathematics and Informatics, Novi Sad, Serbia)
Usklađenost matematičkih sadržaja i uzrasta učenika
- 21 Svetlana Maletin (Gimnazija "Jovan Jovanović Zmaj", Novi Sad, Srbija)
Učenje programiranja u vizuelnom okruženju
- 22 Snežana Matić-Kekić (Faculty of Agriculture, Novi Sad, Serbia)
Usporedna analiza MTE-modela u okviru srednjoškolske i univerzitetske nastave matematike
- 23 Katalin Meszaros (Faculty of Economics, University of Novi Sad, Subotica, Serbia)
The Ways of Hard Computing Developments in Economics
- 24 Marina Milovanović (Faculty of Civil Engineering, Union University, Belgrade, Serbia)
The role of multimedia learning in teaching and learning mathematics: multimedia lessons on Integrals
- 25 Mila Mršević (Faculty of Mathematics, Belgrade, Serbia)
Convexity of the inverse function
- 26 Rastko Pajić (, Novi Sad, Srbija)
Edukativni softver na mobilnom telefonu
- 27 Đura Paunić (Department of Mathematics and Informatics, Novi Sad, Serbia)
Istorija konstrukcije pravilnog sedmougla
- 28 Miodrag Petković (Department of Mathematics, Faculty of Electronic Engineering, Niš, Serbia)
Zanimljivi matematički problemi velikih matematičara - uvod u nove matematičke discipline
- 29 Davorka Radaković (Department of Mathematics and Informatics, Novi Sad, Serbia)
A modular extensible platform for dynamic geometry
- 30 Jasminka Radovanović (Gimnazija "Isidora Sekulić", Novi Sad, Srbija)
Vizualizacija u prostoru
- 31 Dragica Ranković (Medicinska škola "dr Miša Pantić", Valjevo, Srbija)
Ocenjivanje učenika iz matematike teorijom fuzzy skupova i fuzzy logike
- 32 Elvira Ripco Sipos (Gimnazija Bolyai za talentovane učenike sa domom učenika, Senta, Srbija)
Problems of Apollonius'-Teaching in Grammar School

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- 33 Daniel A. Romano (Odsjek za matematiku i informatiku, Prirodno-matematički fakultet, Banja Luka, Bosna i Hercegovina)
Metodika nastave matematike - naučna disciplina?
- 34 Marjetica Samardžijević (Gimnazija "Jovan Jovanović Zmaj", Novi Sad, Srbija)
Metodička obrada monotonosti funkcije
- 35 Đorđe Stakić (Faculty of Mathematics, Belgrade, Serbia)
Vikipedija i Internet u nastavi matematike i informatike
- 36 Sonja Šumonja (Elektrotehnička škola "Nikola Tesla", Niš, Srbija)
Još nešto o grupnom radu
- 37 Đurđica Takači (Department of Mathematics and Informatics, Novi Sad, Serbia)
Matematičko modeliranje u nastavi
- 38 Gradimir Vojvodić (Department of Mathematics and Informatics, Novi Sad, Serbia)
Akreditovani programi stručnog usavršavanja – neka iskustva
- 39 Anton Vrdoljak (Građevinski fakultet Sveučilista u Mostaru, Mostar, Bosna i Hercegovina)
Interactive Mathematics Teaching Tools
- 40 Branko Vulićević (, Beograd, Srbija)
Infinite diagonal process of series of all infinite diagonal processes
- 41 Slavica Zečević (Srednja stručna škola "4. juli", Vrbas, Srbija)
Uvod u analitičku geometriju
- 42 Маријана Ајзенкол (Основна школа "Мајка Југовића", Земун, Србија)
Постојање и бесконачност у монодрами "Настава математике"
- 43 Војислав Андрић (Геокономски факултет Мегатренд универзитета у Београду, Ваљево, Србија)
О унапређивању наставе математике на економским факултетима у Србији
- 44 Војислав Андрић (Геокономски факултет Мегатренд универзитета у Београду, Ваљево, Србија)
Педагошки рад Михаила Петровића (1868-1943)
- 45 Миомир Анђић (Министарство просвете и науке, Подгорица, Црна Гора)
Чудесан број Φ
- 46 Наталија Будински (Основна школа и гимназија "Петро Кузмјак", Руски Крстур, Србија)
Пирамида (Човек се боји времена а време се боји пирамида)
- 47 Михаило Вељковић (Математичка гимназија, Београд, Србија)
"Афина степеница" у развоју појма вектора и примена у настави предмета "Линеарна алгебра и аналитичка геометрија" у одељењима Математичке гимназије
- 48 Ружица Вукобратовић (Гимназија "Исидора Секулић", Нови Сад, Србија)
Појам функције-обрада резултата теста

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- 49 Јелена Дутина (Средња стручна школа "4. јули", Врбас, Србија)
Пропорционалност
- 50 Криста Ђокић (Основна школа "8. октобар", Власотинце, Србија)
Магичне фигуре у настави математике
- 51 Милан Живановић (Техничка школа, Бајина Башта, Србија)
Метрика значајних тачака троугла
- 52 Милан Живановић (Техничка школа, Бајина Башта, Србија)
Питагорине тројке
- 53 Миодраг Јованчић (Средња техничка школа "Никола Тесла", Сремска Митровица, Србија)
Видео филм у настави математике
- 54 Еуген Љајко (Основна школа "22. децембар", Драгаш, Србија)
Диференцирана настава и промена става према учењу
- 55 Сања Маричић (Учитељски факултет, Ужице, Србија)
Развијање способности евалуације као компоненте критичког мишљења у почетној настави математике
- 56 Сања Маричић (Учитељски факултет, Ужице, Србија)
Развијеност појма мера и мерења код предшколске деце
- 57 Мирослав Младеновић (Основна школа "Браћа Миленковић", Власотинце, Србија)
Ауторитарни и демократски тип наставника математике у школи
- 58 Драгана Недић (Саобраћајни факултет, Универзитет Источно Сарајево, Добој, Босна и Херцеговина)
Квадратна функција у егземпларној настави
- 59 Златка Павличић (Техничка школа "Никола Тесла", Лепосавић, Србија)
Игра коцком - као идеално средство за развијање математичких способности ученика
- 60 Душка Пешић (Гимназија "Јован Јовановић Змај", Нови Сад, Србија)
Шта у себи крије Паскалов троугао?
- 61 Јанош Пинтер (Учитељски факултет, Суботица, Србија)
Проблем осавремењавања почетне наставе математике
- 62 Валерија Пинтер-Крекић (Учитељски факултет, Суботица, Србија)
Решавање проблема комбинаторне природе у почетној настави математике
- 63 Бранко Прентовић (Висока школа струковних студија за образовање васпитача у Кикинди, Кикинда, Србија)
Рачунар у настави аналитичке геометрије
- 64 Вељко Стојановић (Хемијско-медицинска школа, Вршац, Србија)
Примена шаха у математици (комбинаторици)

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- 65 Боривој Суботић (Факултет за предузетни менаџмент "Браћа Карић", Нови Сад, Србија)
Финслер-Хедвигерова неједнакост и неке њене примене
- 66 Јелена Татар (Гимназија "Јован Јовановић Змај", Нови Сад, Србија)
Математички модели - функције