

ÖMG - DMV Congress 2013

Program of Sections and Minisymposia

Last Update: September 20, 2013, 09:56

Monday Afternoon Session

	Room B	Room C	Room D	Room E	Room F	Room G	Room SR1	Room SR2	Room HS 10
	P: Plenary lecture S05: Differential Equations and Applications (part 1)	M1: Actuarial and Financial Mathematics (part 1)	M3: Mathematics of Planet Earth 2013 (part 1)	S10: History, Teaching and Popularization of Mathematics (part 1)	S08: Stochastics and Applications (part 1)	S03: Number Theory (part 1)	S06: Functional Analysis, Real and Complex Analysis (part 1)	M4: Numbers, Graphs, Algebraic Structures and Probability (part 1)	S01: Algebra, Logic and Set Theory (part 1)
15:30	P.4 F. Schuster The Theory of Valuations and What It Can Do for You!	M1.1 S. Gerhold Local volatility models: approximation and regularization.	M3.1 D. Kröner Can mathematics help to control and avoid environmental stress?	S10.1 N. M. Krause Schreiben Schüler mathematische Facharbeiten?	S08.1 G. dos Reis Root's barrier, viscosity solutions of obstacle problems and reflected FBSDEs.		S06.1 M. Hanusch Invariant and Distributional Connections on Principal Fibre Bundles.	M4.1 J. Cuno Random Walks on Baumslag-Solitar groups.	S01.1 H. Brunotte Eventually periodic and almost linear periodic matrices over quasi-max-plus algebras.
15:45		M1.2 T. Rheinländer Semi-static hedging of barrier options via a general self-duality.		S10.2 J. Kurow Vernetzung von Schule und Universität: Förderung mathematisch interessierter Schüler.			S06.2 F. Haslinger Spectral properties of the $\bar{\partial}$ -Neumann operator.	M4.2 A. Bazarova Extremal theory of dependent processes.	S01.2 S. Friedenberg Gamma Invariants and the Torsion-Freeness of Ext.
16:00			M3.2 H. Weller Atmospheric Modelling on Arbitrary Grids.	S10.3 K. Roegner Assessment standards and their stability.	S08.2 M. Wendler Stable Limit Theorem for U -Statistics Processes Indexed by a Random Walk.	S03.1 M. Drmota The Thue-Morse Sequence Along the Squares is Normal.	S06.3 R. Brunnhuber Some aspects of singular Weyl-Titchmarsh-Kodaira theory for Dirac operators.	M4.3 N. S. Haug The minimum number of subtrees of trees.	S01.3 W. Herfort Near Abelian Locally Compact Groups.
16:15		M1.3 M. Scherer Incorporating parameter risk into derivatives prices.		S10.4 H.-D. Janetzko CATO - Eine deutschsprachige CA-Oberfläche.	S08.3 L. Heinrich A logarithmic stable limit law for the geometric mean of recurrence times of the simple...	S03.2 P. Hellekalek On the b -adic method in $u.d.mod\ 1$.	S06.4 G. Racher On translation invariant operators.	M4.4 F. Lehner Random colourings and automorphism breaking in graphs.	
16:30	S05.1 C. Walker A free boundary problem for MEMS.	M1.4 J.-F. Mai Multivariate geometric distributions with latent factor structure.		S10.6 H. Länger A simple recursion for polynomials of sums of powers.	S08.4 P. Ressel A spectral representation of classical mean values and stable tail dependence functions.	S03.3 R. Tichy Uniform distribution and dynamical systems.			
16:45		M1.5 M. C. Christiansen Deterministic optimal consumption and investment in a stochastic...	M3.3 W. Freeden Essential Principles of Geomathematical Modeling and Their Applications.				S06.5 A. Klotz Smoothness in Banach Algebras and Norm Controlled Inversion.		S01.5 W. Wenzel Arithmetic and Polynomials over Fuzzy Rings.
17:00									
17:15									
17:30	S05.2 H.-C. Grunau Estimates from above and below for biharmonic Green functions.	M1.6 U. Schmock On the Existence of an Equivalent Martingale Measure in the Dalang-Morton-Willinger...	M3.4 G. Jovet What mathematicians can do to save Alpine glaciers?						S01.6 D. Dorninger Testing for classicality of a physical system.
17:45									
18:00	S05.3 M. Hilsch Ein Integralgleichungszugang zu den Minimalvektoren von Marx und Shiffman.								
18:15									

Tuesday Morning Session

	Room B	Room C	Room D	Room E	Room F	Room G	Room SR1	Room SR2	Room HS 10
	S05: Differential Equations and Applications (part 2)	M1: Actuarial and Financial Mathematics (part 2)	S04: Geometry and Topology (part 1)	M7: Spezifika der math. Anfangsausbildung für Lehramtsstudierende (part 1)	S08: Stochastics and Applications (part 2)	S03: Number Theory (part 2)	S06: Functional Analysis, Real and Complex Analysis (part 2)	M5: Operator Theory (part 1)	S01: Algebra, Logic and Set Theory (part 2)
11:15	S05.4 I. Gasser On small Mach Number Applications related to renewable Energy Production.	M1.7 C. Cuchiero An HJM approach to multiple-curve modeling.	S04.1 M. Joswig Tropical Linear Programming.	M7.1 G. Törner Was sind konstitutive Merkmale einer Lehramtsausbildung Mathematik? - die internationale Perspektive.	S08.5 C. Temmel Structural results on one-independent point processes.	S03.4 M. Stoll Uniform bounds for the number of rational points on hyperelliptic curves with small Mordell-Weil rank.	S06.6 B. Gramsch Division of distributions with the Oka principle and small ideals of operators.	M5.1 F. L. Schwenninger Functional calculus estimates via admissibility.	S01.7 P. Schuster (Leeds) Ideal Objects for Finite Methods in Algebra.
11:30		M1.8 J. Sass Regime switching, filtering and portfolio optimization.			S08.6 W. Woess Isotropic Markov processes on Ultra-metric spaces.		S06.7 C. Bargetz On sequence space representations of spaces of smooth functions and distributions.	M5.2 J. Wirth Global pseudo-differential calculus on compact Lie groups.	S01.8 K. Schölzel On intervals of partial clones.
11:45							S06.8 M. Kunzinger An algebraic approach to microlocal analysis.		S01.4 J. Tomaschek Associative formal power series in two indeterminates.
12:00									
12:15	S05.5 J. Strecha Modeling Flow Induced Vibrations of a Slender U-Beam at Low Reduced Velocities.	M1.9 S. Thonhauser Problem in Risk Theory.				S03.5 R. Garunkštis On the Speiser equivalent for the Riemann hypothesis.			
12:30									

Tuesday Afternoon Session

	Room B	Room C	Room D	Room E	Room F	Room G	Room SR1	Room SR2	Room HS 10
	P: Plenary lecture S05: Differential Equations and Applications (part 3)	M3: Mathematics of Planet Earth 2013 (part 2)	S04: Geometry and Topology (part 2)	S10: History, Teaching and Popularization of Mathematics (part 2)	S08: Stochastics and Applications (part 3)	S03: Number Theory (part 3)	S06: Functional Analysis, Real and Complex Analysis (part 3) S07: Numerical Analysis and Scientific Computing (part 1)	M5: Operator Theory (part 2)	M6: Problems in Information and Communication in Mathematics (part 1)
15:30	P.8 M. Beiglböck Optimal Transport, Martingales, and Model-Independence.	M3.5 P. Schuster (Wien) The Mathematics of Biological Evolution.	S04.2 J. Wallner Geometric Modeling with polyhedral meshes.			S03.6 J. Kalpokas Value distribution of the Riemann Zeta function on the critical line.	S06.9 H. G. Feichtinger Distribution Theory based on Time-Frequency Analysis.	M5.3 G. Teschl Weyl-Titchmarsh-Kodaira operators with applications	M6.1 P. Birken Anyone can edit Wikipedia - Ansprüche und Arbeitsweise eines (mathematischen) Content Providers.
15:45			S04.3 A. Alpers Reconstruction of Polytopes from Refraction Data.			S03.7 T. Ernst On the convergence regions for multiple q -hypergeometric functions.	S06.10 M. Pap Rational analytic wavelets and applications.	M5.4 C. Seifert On the absolutely continuous spectrum for the Kirchhoff Laplacian on radial trees.	M6.2 K. Kiermeier Neues vom Zentralblatt MATH mehr als neue Kleider.
16:00		M3.6 R. Korn Modeling, valuation and management of economic risks.		S10.5 G. Karigl Prüfzeichencodierung: Theorie und einige populäre Anwendungen.	S08.7 U. Pofahl Using B-splines for the de-trending of tree-ring series.	S03.8 H. Knospe Nonstandard Analysis for Measures with Values in non-Archimedean Fields.		M5.5 P. Yuditskii Kotani-Last problem and Hardy spaces on surfaces of Widom type.	M6.3 B. Eröcal Reproducibility, software in experimental mathematics and lmonade.
16:15			S04.4 H.-P. Schröcker Spatial linkages with a straight line trajectory.					M5.6 M. Langer Essential spectrum of block operator matrices.	M6.4 S. Bömisch swMATH - ein neuer Informationsdienst für mathematische Software (I): Konzept.
16:30	S05.6 L. Diening Lipschitz truncation and applications to non-linear PDE.		S04.5 C. Thiel Restricted Successive Minima.	S10.7 A. Handwerk What does a biography tell about mathematics? Reflecting on our documentary work with Yuri Manin.	S08.8 D. Rajter-Ćirić Viscoelastic rod with random excitation.	S03.9 D. C. Mayer 3-class field towers of exact length 3.	S07.1 R. Pulch Model order reduction for dynamical systems with random parameters.	M5.7 C. Trunk Variational principles for self-adjoint operator functions arising from second order systems.	M6.5 H. Chrapary swMATH - ein neuer Informationsdienst für mathematische Software (II): Demo.
16:45		M3.7 V. Michel How Mathematics can Help to Observe Climate Change - An Example.	S04.6 L. L. Cristea Distances on Sierpiński graphs and on the Sierpiński gasket.		S08.9 T. Fetz Limit state functions and parameter-dependent uncertainty described by sets of probability measures.	S03.10 J. Steuding One Hundred Years Uniform Distribution Modulo One and Recent Applications to Riemann's Zeta-Function.			
17:00			S04.7 E. Hertel Reguläre Dreieckpflasterung konvexer Polygone.		S08.10 R. Viertl Fuzzy Probability Distributions in Bayesian Inference.	S03.11 J. Arndt The On-Line Encyclopedia of Integer Sequences: The First Hundred Years.	S07.2 W. Auzinger Local error structures and order conditions for exponential splitting methods.		
17:15	S05.7 J. Merker Very weak solutions of Poisson's equation with singular data under Neumann boundary...	M3.8 G. Regensburger Generalized mass action systems and Birch's theorem.							
17:30									
17:45									
18:00	S05.8 I. Dražić The existence theorems for 3-D flow of a compressible viscous micropolar fluid with spherical symmetry.								
18:15									

Changes

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Wednesday Morning Session

	Room B	Room C	Room D	Room E	Room F	Room G	Room SR1	Room SR2	Room HS 10
	S05: Differential Equations and Applications (part 4)	S09: Mathematics in the Sciences and Technology (part 1)	S04: Geometry and Topology (part 3)	M7: Spezifika der math. Anfangsausbildung für Lehramtsstudierende (part 2)	S08: Stochastics and Applications (part 4)	S03: Number Theory (part 4)	S07: Numerical Analysis and Scientific Computing (part 2)	M5: Operator Theory (part 3)	
10:15	S05.9 E. Emmrich Nonlinear evolution equations of second order with damping: existence and discretisation.	S09.1 A. Arnold Some polymeric fluid flow models: steady states & large-time convergence.	S04.8 C. Scheiderer Recent interaction between real and convex algebraic geometry.	M7.2 R. Fischer PädagogInnenbildung NEU: Die Reform der LehrerInnenbildung in Österreich.	S08.11 E. Teuffl Uniform spanning trees on Sierpiński graphs.	S03.12 L. Kühne Topics around the abc-conjecture.	S07.3 G. Unger Boundary element methods for resonance problems.	M5.8 K. Gröchenig Differential seminorms, approximation algebras, and spectral invariance.	
10:30		S09.2 K. Fellner Mixed Volume-Surface Reaction-Diffusion Systems Describing Asymmetric Protein Localisation..			S08.12 M. Szölgényi Existence of Solutions of a Class of SDEs Corresponding to Threshold Dividend Strategies. . .			M5.9 M. Seidel Quasi-banded operators, convolutions and their finite sections.	
10:45				M7.3 B. Thaller Erfahrungen aus einem...					
11:00	S05.10 H. Vogt Large time behaviour of heat kernels and admissible potentials.	S09.3 R. Eberle Influence of ski boot and ski tail properties on ACL forces during a landing movement in...	S04.9 G. Helmberg Die Eisenstein-Parkettierung der komplexen Ebene.	M7.4 F. Pauer Eine Vorlesung für fünf...	S08.13 L. Metzner A Signbased NARCH-Approach for Time Series in Finance.	S03.13 F. Barroero Counting lattice points and o-minimal structures.	S07.4 H. Mena On the LQR Problem and the associated Differential Riccati Equations.	M5.10 N. Vasilevski Commutative algebras of Toeplitz operators on the Bergman space.	
11:15		S09.4 M.-T. Wolfram Mean field game and optimal control approaches modeling pedestrian dynamics.	S04.10 T. de Wolff Roots of Trinomials from the Viewpoint of Amoeba Theory.	M7.5 C. Ableitinger Lehramtsspezifische...					
11:30				M7.6 R. Steinbauer Zur Analysis-Ausbildung...	S08.14 C. Pfeifer Probability distribution on the median taken on partial sums of a simple random walk.	S03.14 C. Frei Rational points on some del Pezzo surfaces over imaginary quadratic fields.	S07.5 K. Hornik Amos-Type Bounds for Modified Bessel Function Ratios.	M5.11 W. Bauer Commutative Algebras generated by Toeplitz operators: structural results and applications.	
11:45	S05.11 B.-V. Matioc Self-similarity for the thin film Muskat problem.	S09.5 E.-S. El-Hady A two-variable functional equation describing a network system.	S04.11 B. Strodthoff Computing Layered Reeb Graphs from Boundary Representations.	M7.7 R. Winkler Erfahrungen aus...					
12:00				M7.8 General Discussion	S08.15 R. Grübel Combinatorial Markov chains.	S03.15 T. Riedel Picard-Shimura class fields corresponding to a family of hyperelliptic curves.	S07.6 P. Kandolf Interpolation of matrix functions at Leja points.	M5.12 D. Agbor Product of Toeplitz operators on the Fock space.	
12:15	S05.12 M. Nedeljkov A class of non-classical solutions to multidimensional isentropic gas dynamics model.								
12:30									

Thursday Morning Session

	Room B	Room C	Room D	Room E	Room F	Room G	Room SR1	Room SR2	Room HS 10
	S05: Differential Equations and Applications (part 5)	S09: Mathematics in the Sciences and Technology (part 2)	S04: Geometry and Topology (part 4)	S02: Discrete Mathematics Theoretical Computer Science (part 1)	S08: Stochastics and Applications (part 5)	S03: Number Theory (part 5)	S07: Numerical Analysis and Scientific Computing (part 3)		M6: Problems in Information and Communication in Mathematics (part 2)
10:15	S05.13 G. Teschl Peakon asymptotics for the dispersionless Camassa-Holm equation.	S09.6 V. Bach G, P, Q Representability Conditions and Correlation Estimates in Quantum Chemistry.	S04.12 M. Spirova A discrete gradient-method approach to the Fermat-Torricelli problem.	S02.1 M. Kang Phase transitions in random graph processes.	S08.16 M. Grothaus Scaling limit of interface models.	S03.16 J. M. Thuswaldner S-adic words, Rauzy fractals, and torus rotations.	S07.7 W. Wendland Potential methods for Stokes and semilinear Brinkman systems on Lipschitz domains.		M6.7 M. Kohlhasse Mathematische Formelsuche - Ansatz und Prototyp.
10:30		S09.7 M. Kowalewski An efficient interpolation scheme for molecular potential energy surfaces.	S04.13 P. Giordano Theory of infinitely near points in smooth manifolds: the Fermat functor.		S08.17 C. Geiss Forward backward stochastic differential equations driven by Lévy noise: discretization.		S07.8 M. Wirz Edge detection approaches in numerical methods for conservation laws.		M6.8 N. Roy Named Entities in der Mathematik: Identifizierung von Personen.
10:45				S02.2 E. Candellero Clustering Phenomenon in Random Geometric Graphs on Hyperbolic Spaces.	S08.18 P. Ruffino An averaging principle for diffusions in foliated spaces.	S03.17 C. Ambrose Average behaviour of index and order in certain families of finite abelian groups.	S07.9 L. Diening Instance optimality for the maximum strategy.		M6.9 S. Barthel Automatische Klassifizierung mathematischer Dokumente.
11:00	S05.14 A. Mikikits-Leitner Periodic KdV solutions on FPU chains: existence and higher order asymptotics.	S09.8 S. Menz Hybrid Stochastic-Deterministic Solution of the Chemical Master Equation.	S04.14 C. Richter Illuminating and covering convex bodies.	S02.3 D. Vu Cops and robbers on the n-dimensional torus.	S08.19 T. Levajković Malliavin type equations on a white noise probability space.	S03.18 D. Balakci Spectraldecomposition of GL_3 automorphic forms for the congruence subgroup $\Gamma_0(N)$.	S07.10 O. Steinbach An energy space approach for the Cauchy problem.		M6.10 U. Schöneberg Textanalyse mathematischer Publikationen.
11:15		S09.9 D. Matthes Higher order parabolic equations for electron transport.	S04.15 R. Steinbauer The exponential map of a $C^{1,1}$ -metric.						M6.11 M. Kohlhasse MathMap - ein interaktiver Spaziergang durch die Mathematik.
11:30	S05.15 J. Rottmann-Matthes Finding eigenvalues of differential operators on unbounded domains...	S09.10 P. Shpartko Drift-Diffusion model for spin-polarized electron transport in semiconductors.	S04.16 R. Frank Central Projections and Their Matrices.	S02.4 D. Krenn The Width of "Canonical" Trees and of Acyclic Digraphs.	S08.20 A. Jamneshan Conditional set theory on L^0 and the representation of conditional preferences.				
11:45									
12:00	S05.16 F. Achleitner Traveling wave solutions in scalar conservation laws with anomalous diffusion.								
12:15									
12:30									

Thursday Afternoon Session

	Room B	Room C	Room D	Room E	Room F	Room G	Room SR1	Room SR2	Room HS 10
	S05: Differential Equations and Applications (part 6)	S09: Mathematics in the Sciences and Technology (part 3)	S04: Geometry and Topology (part 5)	S02: Discrete Mathematics Theoretical Computer Science (part 2)	M4: Numbers, Graphs, Algebraic Structures and Probability (part 2)	M2: Frames, High-dimensional Data Analysis, and Dimension Reduction	S07: Numerical Analysis and Scientific Computing (part 4)		
15:30	S05.17 P. Berglez Zur Darstellung bikomplex-pseudoanalytischer Funktionen durch Integro-Differentialoperatoren.	S09.11 G. Spielberger ARMA processes in Structural Health Monitoring.	S04.17 A. Zastrow The comparison of topologies related to various concepts of generalized covering spaces.	S02.5 R. Thiemann Certification of Termination Proofs.	M4.5 D. Kreso Invariants of Polynomial Decomposition.	M2.1 G. Kutyniok Optimal Compressive Imaging of Fourier Data.	S07.11 K. Chudej Optimal Control of Load Changes for Molten Carbonate Fuel Cells.		
15:45		S09.12 B. Harrach Inverse coefficient problems and shape reconstruction.	S04.18 J. Böhm On a Coxeter Theorem.		M4.6 M. Minervino Fractals arising from numeration and substitutions.	M2.2 P. Balazs An operator theory approach to irregular frames of translates.	S07.12 O. Koch Fully Discrete Splitting Methods for Rotating Bose-Einstein Condensates.		
16:00	S05.18 K. Fellner Oscillatory Solutions of Non-local Models of Cell Aggregation.	S09.13 C. Hartmann Optimal control of multiscale diffusions.	S04.19 M. Lederer A K_7 -deformation of the ring of symmetric functions.	S02.6 A. Panholzer Analysis of strategies for the hiring problem.	M4.7 D. Smertnig Non-unique factorizations in maximal orders in central simple algebras.	M2.3 D. Stoeva Frames, dual sequences, and frame multipliers.	S07.13 N. Krejić Inexact Restoration approach for minimization with inexact evaluation of the objective function.		
16:15							S07.14 N. Krklec Jerinkić Nonmonotone line search methods with variable sample size.		
16:30				S02.7 B. Gittenberger Enumeration of generalized BCI lambda-terms.	M4.8 M. Weitzer Shift Radix Systems - new characterization results and topological properties.	M2.5 G. Pfander Estimation of stochastic operators with compactly supported scattering functions.			
16:45									
17:00	S05.19 A. D. Rendall Dynamical properties of models for the Calvin cycle.		S04.20 L. Wimmer Questions Concerning Quadrilaterals in the Plane and on the Sphere.	S02.8 M. Zeiner The Effect of Forgetting on the Performance of a Synchronizer.	M4.9 E. Sava-Huss Rotor-Router Walks.				
17:15									
17:30	S05.20 P. Szmolyan Multiple time scale dynamics in chemical systems.		S04.21 P. Stadler Curve shortening by short rulers.						
17:45									

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