

VORTRÄGE

13:30 Kaffeejause

Donnerstag, 27. April 2017 14:00 bis 14:45, Sky Lounge, OMP 1

Mathematisches Kolloquium: Douglas Arnold (Univ. of Minnesota): "The Regge family of finite elements: structure-preserving elements for metrics"

Org: I. Perugia, M. Eichmair, Ch. Krattenthaler

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/27042017Arnold.pdf

Abstract:

Over the past decade there has been a great deal of interest in compatible or structure-preserving discretizations of PDE, that is, discretizations which exactly retain certain key geometric or algebraic properties of the continuous problem at the discrete level. Structure-preserving finite element methods have been developed for differential forms, such as arise in electromagnetic and flow applications, and for stress fields in solid mechanics. In this talk we will introduce a new family of finite element spaces, devised for discretization of another sort of field important in applications: Riemannian metrics and other symmetric covariant tensors of rank 2. In the lowest order case these new finite elements are intimately related to discrete metrics introduced by Tullio Regge in 1961 for the study of general relativity; hence their name. Special cases of the new elements have connections to classical plate bending elements and to a recent novel approach to elasticity as well. This work is joint with Lizao Li and will appear in his thesis.

Montag, 24. April 2017 09:00 bis Freitag, 28. April 2017 12:00, ESI, Boltzmann Lecture Hall, Boltzmanngasse 9/2, 1090 Wien

Workshop: Programme on "Advances in Birational Geometry": "Recent developments in rationality questions"

Org: Fedor Bogomolov (Courant Institute, NYU), Jean-Louis Colliot-Thélène (U Paris-Sud), Ludmil Katzarkov (U Vienna), Alexander Kuznetsov (Steklov Inst. Moscow), Alena Pirutka (Courant Institute, NYU), Yuri Tschinkel (Courant Institute, NYU)

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/KKB_WS1.pdf

Montag, 24. April 2017 11:30 bis 12:30, BZ 3 Stk., OMP 1

öffentliche Defensio: Lingqi GU (Universität Wien): "Portfolio Optimization: the Dual Optimizer and Stability"

Org: Fakultät für Mathematik, Dekan Christian Krattenthaler

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/Gu.pdf

Montag, 24. April 2017 14:15 bis 15:15, Fakultät für Physik, Kleiner Seminarraum, Boltzmanngasse 5, 5. Stock, 1090 Wien

Seminar für Mathematische Physik: Stefano Cremonesi (Kings College London): "The infrared physics of bad theories"

Org: S. Fredenhagen, H. Steinacker

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/Seminareinladung_Mathematik_Cremonesi_April2017.pdf

Montag, 24. April 2017 16:30 bis 17:30, SR 12, 2. OG, OMP 1

Talk: Alexey Kuvshinov (Institute of Geophysics, ETH): "Numerical solution of Maxwell's equations based on a method of integral equations with contracting kernel. Theory and applications"

Org: Christian Gerhards

Dienstag, 25. April 2017 11:30 bis 13:00, SR. 8, 2. OG, OMP 1

Complex Analysis Seminar: Bartosz Malman (Lund University): "Integration operators on growth spaces"

Org: M. Reiter, B. Lamel

<http://complex.univie.ac.at/events/detail-of-event/news/integration-operators-on-growth-spaces/>

Dienstag, 25. April 2017 15:00 bis 16:00, BZ 09.142, 9.OG, OMP1

Seminar: Arbeitsgemeinschaft Biomathematik: Eildert Groeneveld (Friedrich-Loeffler-Institut, Greifswald): "Data management in large scale genotyping"

Org: J. Hermisson, R. Bürger

<http://homepage.univie.ac.at/Reinhard.Buerger/AGBio.html>

Dienstag, 25. April 2017 15:00 bis 17:00, SR 09, 2. OG., OMP 1

"Geometry and Analysis on Groups" Research Seminar: Christopher Cashen (Universität Wien): "The Floyd boundary of a hyperbolic group is its Gromov boundary"

Org: G. Arzhantseva, Ch. Cashen and M. Finn-Sell

<http://www.mat.univie.ac.at/~gagt/abstracts/170425.html>

Dienstag, 25. April 2017 16:15 bis 17:15, Fakultät für Physik, Erwin Schrödinger-Hörsaal, Boltzmanng. 5, 5. St., 1090 Wien

Teilchenphysikseminar: Simone ALIOLI (CERN): "The GENEVA Monte Carlo framework: improving SMC with resummation"

Org: A. Hoang, H. Neufeld

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/Seminare/nladungTeilchenphysik_Alioli_April2017-1.doc

Mittwoch, 26. April 2017 11:30 bis 12:30, SR 7, 2. OG., OMP 1

NuHAG seminar: David Rottensteiner (Univ. Wien): "Embeddings of Decomposition Spaces - A Brief Introduction into the Recent Work of F. Voigtlaender through Examples"

Org: NuHAG

http://www.univie.ac.at/nuhag-php/program/talks_details.php?id=3308

Mittwoch, 26. April 2017 16:00 bis 18:00, KGRC, Währingerstr. 25, 2 OG, Room 101

KGRC seminar : Matteo Viale (University of Turin): "Useful Axioms"

Org: KGRC

http://www.logic.univie.ac.at/2017/Talk_04-26_a.html

Donnerstag, 27. April 2017 15:15 bis 17:00, BZ 09.142, 9.OG, OMP1

Arbeitsgemeinschaft Ergodentheorie: Vojtěch Pravec (Silesian University in Opava): "On dynamics of triangular maps of the square with zero topological entropy"

Org: H. Bruin, R. Zweimüller

http://mat.univie.ac.at/~zweimueller/AG_ETHY.html

Donnerstag, 27. April 2017 16:30 bis 18:00, SR DC 07, Freihaus rot, 7. OG., TU Wien, Wiedner Hauptstr. 8, 1040 Wien

Vienna Seminar in Mathematical Finance and Probability: Katia Colaneri (University of Perugia, IT): "Unit-linked life insurance policies: optimal hedging in partially observable market models "

<https://fam.tuwien.ac.at/events/vs-mfp/>

Freitag, 28. April 2017 14:00 bis 15:00, TBA

The Budapest - Wien Dynamics seminar: Sonja Stimac (University of Zagreb): "Lozi-like maps"

Org: Henk Bruin and Peter Balint

<http://mat.univie.ac.at/~zweimueller/BudWiSer/Budwiser.html>

Freitag, 28. April 2017 15:15 bis 16:15, TBA

The Budapest - Wien Dynamics seminar: Fanni Selley (BME Budapest): "Coupled map systems with a continuum of sites"

Org: Henk Bruin and Peter Balint

<http://mat.univie.ac.at/~zweimueller/BudWiSer/Budwiser.html>

Freitag, 28. April 2017 16:45 bis 17:45, TBA

The Budapest - Wien Dynamics seminar: Stefano Marmi (SNS Pisa): "TBA"

Org: Henk Bruin and Peter Balint

<http://mat.univie.ac.at/~zweimueller/BudWiSer/Budwiser.html>