



VORTRÄGE

Mittwoch, 29. Juni 2016 von 15:00 bis 15:45 Uhr, HS 15, 2. OG., OMP 1

Junorkolloquiums: Mihai Putinar (Univ. of Santa Barbara): "The geometry of critical points of complex polynomials"

Rolle Theorem asserts that between two real roots of a real polynomial, there is a root of its derivative, also called critical point. Is there an analogue of Rolle Theorem for complex polynomials? I will present several classical contributions in this direction, touching two tantalizing conjectures: one due to Maxwell and the other to Sendov.

15:45 Uhr Kaffeejause

Mittwoch, 29. Juni 2016 von 16:15 bis 17:00 Uhr, HS 15, 2. OG., OMP 1

Mathematisches Kolloquium: Mihai Putinar (Univ. of Santa Barbara): "Matrix positivity preservers in fixed dimension"

A basic observation of Schoenberg, dated 1942, provides a description of all functions which preserve matrix positivity when applied entry-wise (the so-called Schur-Hadamard calculus). Under the guidance of Lowner, the young doctoral candidate Roger Horn refined in the mid 60-ies Schoenberg's result to a necessary condition for positivity preservers applied to matrices of a prescribed size. Using techniques of representation theory (Schur polynomials) one can complete Horn's theorem by characterizing classes of functions with the same property. The motivation for this new step comes from the statistics of large data. Applications to global optimization will also be touched. On the geometric side, a novel stratification of matrix spaces, à la Schubert cells, will be discussed and related to the main topic of the lecture. Based on joint work with Alex Belton, Dominique Guillot and Apoorva Khare.

im Anschluss vinum cum pane

Karlheinz Gröchenig, Maria Charina, Harald Rindler

Montag 27. Juni 2016, von 10:00 Uhr bis Mittwoch, 29. Juni 2016 bis 12.00 Uhr, ESI, Boltzmann Lecture Hall,

ESI-Programme on "Nonlinear Flows"

Mini-Course 4: "Variational motion in heterogeneous media" Andrea Braides, University of Rome 2

org. by E. Feireisl (Czech Academy of Sciences, Prague), A. Jüngel (TU Vienna), A. Mielke (WIAS Berlin), G. Savaré (U Pavia), U. Stefanelli (U Vienna), (Details siehe Anhang)

Montag, 27. Juni 2016, von 12:00 Uhr – 12:45 Uhr, SR 12, 2. OG., OMP 1

Didaktischer Vortrag im Rahmen der Habilitation: Eduard Nigsch (Univ. Wien): "The Peetre theorem"

org. by M. Kunzinger, (Details siehe Anhang)

Dienstag, 28. Juni 2016 von 13.15 bis 14:45, SR 9, 2. OG, OMP 1

Complex Analysis SE: Florian Bertrand (American Univ. of Beirut): "Entire functions with harmonic*-function in several complex variables"

org. by B. Lamel, M. Reiter

<http://complex.univie.ac.at/events/detail-of-event/news/entire-functions-with-harmonic-function-in-several-complex-variables/>

Dienstag, 28. Juni 2016, von 14.00 Uhr bis 16:00 Uhr, Josephinum, SR 8 (Zi.02.101), Währinger Str. 25, 1090 Wien,

KGRC Research Seminar: Peter Nyikos (Univ. of South Carolina, USA): "A forcing built around a coherent Souslin tree and its uses for normal, locally compact spaces"

org. by Kurt Gödel Research Center

http://www.logic.univie.ac.at/2016/Talk_06-28_a.html



Dienstag, 28. Juni 2016, von 14:00 bis 15:00 Uhr, BZ 2, 2. OG., OMP 1

Geometry and Analysis on Groups, Research SE: Indira Chatterji (Univ. de Nice): "The median class for $CAT(0)$ cubical complexes"

org. by G. Arzhantseva, Ch. Cashen

<http://www.mat.univie.ac.at/~gagt/abstracts/160628indira.html>

Dienstag, 28. Juni 2016, von 15:15 bis 16:45 Uhr, TU Dissertantenraum, Freihaus, Turm A, 8. Stock, Wiedner Hauptstraße 8-10, 1040 Wien

AG Diskrete Mathematik Seminar: Emma Yu Jin: "Outside nested decompositions of skew diagrams and Schur function determinants"

org. by Ch. Krattenthaler

<http://dmg.tuwien.ac.at/nfn/agdm.html>

Dienstag, 28. Juni 2016, ab 15:30 Uhr, BZ 9, 9. OG., OMP 1,

öffentliches Defensio: Markus Steenbock (Univ. Wien): "Kaplansky's zero divisor conjecture, $CAT(0)$ cubulation, and the unique product property"

(Details siehe Anhang)

Mitwoch, 29. Juni 2016, ab 14:00 ESI, Boltzmann Lecture Hall,

ESI-Seminar: Augusto Visintin (Univ. di Trento): "Structural stability of quasilinear flows via evolutionary T-convergence"

org. by U. Stelfanelli (Details siehe Anhang)

Mittwoch, 29. Juni 2016, von 12:30 bis 13:30 Uhr, BZ 9, 9. OG., OMP 1

Geometry and Analysis on Groups, Research SE: Piotr Nowak (IMPAN/Univ. Warszawski): "Spectral gaps, warped cones and the coarse Baum-Connes conjecture"

org. by G. Arzhantseva, Ch. Cashen

<http://www.mat.univie.ac.at/~gagt/abstracts/160629.html>

Donnerstag, 30. Juni 2016, von 15.30 Uhr bis 17:30 Uhr, Josephinum, SR 8 (Zi.02.101), Währinger Str. 25, 1090 Wien,

KGRC Research Seminar: Rachid Atmai (KGRC): "Descriptive inner model theory and consistency results in ZFC from determinacy"

org. by Kurt Gödel Research Center

http://www.logic.univie.ac.at/2016/Talk_06-30_a.html

Freitag, 1. Juli 2016, von 10:00 bis Samstag 2. Juli 2016 bis 16:00 Uhr, HS 11, 2. OG., OMP 1

WPI-Workshop: „Models in Cancer Therapy (MATHCANC-15)“

org. by D. Levy (U. Maryland), M. Doumic-Jauffret (INRIA), Ch. Schmeiser (WPI c/o Univ. Wien)

http://www.wpi.ac.at/event_view.php?id_activity=219

Freitag, 1. Juli 2016, ab 13:15 Uhr, SR 11, 2. OG., OMP 1

Vortrag: Dmitri Orlov: "Geometric realizations of quiver algebras and Krull-Schmidt partners"

org. by L. Katzarkov