



Vorträge

Mittwoch, 22. Mai 2013, ab 16:15 Uhr, Olga Taussky-Todd Raum (C 209), UZA 4

Mathematisches Kolloquium

Prof. Dr. Adrian I. Nachman (Department of Mathematics, University of Toronto):
„Current Density Impedance Imaging of an Anisotropic Conductivity in a Known Conformal Class“

Abstract:

We present recent results on determining anisotropic conductivities from current density and diffusion tensor measurements which can be obtained using Magnetic Resonance Imagers. The mathematical problem is to recover an anisotropic conductivity in a known conformal class from knowledge of one current. We show that the corresponding electric potential is the unique solution of a constrained minimization problem with respect to a weighted total variation functional defined in terms of the physical data. Further, we show that the associated equipotential surfaces are area minimizing with respect to a Riemannian metric obtained from the data. This is joint work with Robert Jerrard, Nicholas Hoell and Amir Moradifard. Experimental results are joint work with Weijing Ma, Nahla Elsaid, Michael Joy and Tim DeMonte.

15:45 Uhr – 16:15 Uhr K & K (Common Room)

Univ.-Prof. Dipl.-Ing. Dr. Otmar Scherzer, Dekan Univ.-Prof. Dr. Harald Rindler

Mittwoch, 22. Mai 2013, von 15:00 Uhr bis 15:45 Uhr, Seminarraum C 209, UZA 4

Lectures for Everybody

Joachim Mahnkopf: “Beispiele zum Reziprozitätsgesetz in der Zahlentheorie II“

Organized by H. Hauser

Dienstag, 21. Mai 2013, ab 10:00 Uhr bis Freitag, 24. Mai 2013, ab 10:00 Uhr, Erwin Schrödinger Lecture Hall, Boltzmanng. 9, 1090 Wien

**The Geometry of Topological D-branes, Categories and Applications:
Workshop on “Birational Geometry and Geometric Invariant Theory”
(Details siehe Attachment)**

Organized by: S. Gukov, A. Kapustin, L. Katzarkov and Y. Soibelman

Mittwoch, 22. Mai 2013, von 9:00 Uhr bis 10:30 Uhr, Seminarraum D 104, UZA 4

AG Algebraische Geometrie

V. Roitner: A regularity bound for Hilbert functions.

Organized by H. Hauser

Dienstag, 21. Mai, ab 16:00 Uhr, Festsaal, TU Wien, Karlsplatz 13, 1010 Wien

Vortrag

Robert Sedgewick (Princeton University, USA)

“If You Can Specify It, You Can Analyze It---The Lasting Legacy of Philippe Flajolet”

(Details siehe Link)

http://www.tuwien.ac.at/aktuelles/news_detail/article/8170/

Donnerstag, 23. Mai 2013, von 11:15 Uhr bis 12:45 Uhr, Seminarraum S1, Althanstraße 12, 1090 Wien

Complex Analysis Seminar

Stéphanie Nivoche: „Analytic variations on Nagata’s conjecture“

organized by: A.K. Herbig

<http://www.univie.ac.at/complexanalysis/Activities/Seminar2013.html>

Donnerstag, 23. Mai 2013, von 17:00 Uhr bis 18:30 Uhr, Seminarraum C 209, UZA 4

Vortrag im Rahmen des Seminars Finanzmathematik

Ivar Ekeland: “A simple model of a commodity market”

Link: http://www.mat.univie.ac.at/~finance_hp/seminarSS13.html