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Fakultät für Mathematik

Vorträge

Mittwoch, 21. Mai 2014, Sky-Lounge (12 OG),
Oskar-Morgenstern-Platz 1, 1090 Wien

Mathematisches Kolloquium

Prof. Ulrich Wagner (IST Austria): “Algorithmic and Combinatorial Aspects of Embeddings”

Abstract:

We discuss a number of open questions and results concerning (from a combinatorialist's point of view) higher-dimensional analogues of graph planarity and crossing numbers, i.e., embeddings of finite simplicial complexes (compact polyhedra) into Euclidean space. While embeddings are a classical topic in geometric topology, here we focus on algorithmic and combinatorial aspects. Two typical questions are the following:

(1) Is there an algorithm that, given as input a finite k -dimensional simplicial complex, decides whether it embeds in d -dimensional space?

(2) What is the maximum number of k -dimensional simplices of a simplicial complex that embeds into d -dimensional space? Time permitting, we will also discuss some maps with more general restrictions on the set of singularities, e.g., without r -fold intersection points. The talk will be of a survey-like nature and touch upon joint work with a number of colleagues: M. Cadek, X. Goaoc, M. Krčal, I. Mabillard, J. Matousek, P. Patak, Z. Safernova, F. Sergeraert, E. Sedgwick, M. Tancer, and L. Vokrinek

15:45 Uhr – 16:15 Uhr K & K (Sky Lounge)

Univ.-Prof. Dr. Christian Krattenthaler
Dekan Univ.-Prof. Dr. Harald Rindler

Mittwoch, 21. Mai 2014, von 15:00 Uhr bis 15:45 Uhr, Skylounge (12. OG),
Oskar-Morgenstern-Platz 1, 1090 Wien

Lectures for Everybody

Gerald Teschl; “Using entire functions to determine the long-time asymptotics of water waves”

organized by H. Hauser

Montag, 19. Mai 2014, von 15:15 Uhr bis 17:00 Uhr, Seminarraum 8, 2. Stock,
Oskar-Morgenstern-Platz 1, 1090 Wien

Arbeitsgemeinschaft Ergodentheorie

Jan Boronski (Ostrava): “On chaos and indecomposability”

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

Montag, 19. Mai 2014 ab 09:30 Uhr bis Freitag, 23. Mai 2014, ab 09:30 Uhr, Erwin
Schrödinger Lecture Hall, Boltzmanng. 9, 1090 Wien

ESI Workshop on “Algebraic Quantum Field Theory: Its Status and Its Future”

R. Brunetti (U Trento), C. Dappiaggi (U Pavia), K. Fredenhagen (U Hamburg),
and J. Yngvason (U Vienna)

(Details siehe Attachment)



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Dienstag, 20. Mai 2014, von 15:00 Uhr bis 17:00 Uhr, Seminarraum 8, 2. Stock
Oskar-Morgenstern-Platz 1, 1090 Wien

Geometry and Analysis on Groups – Research Seminar

Liviu Paunescu (IMAR): “Sofic representations that cannot be extended”

<http://www.mat.univie.ac.at/~dosaj/GGTWien/Seminar.html>

Dienstag, 20. Mai 2014, ab 15:00 Uhr, Seminarraum 9 Biomathematik,
Oskar-Morgenstern-Platz 1, 1090 Wien

Arbeitsgemeinschaft Biomathematik

Lee Altenberg (KLI): “Extensions of two little-known theorems of Sam Karlin: Implications for biological invasions, genetic system evolution, cultural evolution, and ideal free distributions in ecology”

Dienstag, 20. Mai 2014, von 15:15 bis 16:45 Uhr, TU Dissertantenraum, Freihaus, Turm A, 8. Stock, Wiedner Hauptstraße 8-10, 1040 Wien

AG Diskrete Mathematik Seminar

Michelle Wachs (University of Miami): “On the topology of the poset of weighted partitions”

Dienstag, 20. Mai 2014, ab 17:00 Uhr, Seminarraum 10, 2. Stock
Oskar-Morgenstern-Platz 1, 1090 Wien

Vortrag

José Miguel Zapata García (Universität Murcia): “Locally L^0 -convex modules and conditional risk measures”

Donnerstag, 22. Mai 2014, von 16:00 Uhr bis 18:00 Uhr, Josephinum,
SR (Zi. O2.101), Währingerstr. 25, 1090 Wien

KGRC Research Seminar

Andrea Medini (KGRC): “Dropping Polishness”