



VORTRÄGE

15:45 Uhr Kaffeejause

Mittwoch, 23. November 2016 von 16:15 Uhr bis 17:00 Uhr, Sky Lounge, OMP 1

Mathematisches Kolloquium: Albrecht Böttcher (TU Chemnitz): "Lattice theory and Toeplitz determinants"

A lattice is a discrete subgroup of a finite-dimensional Euclidean space. A basic quantity of every lattice is the volume of its fundamental domains. This volume is the determinant of some matrix, and in several interesting cases this matrix is just a perturbed Toeplitz matrix. The generating function of this Toeplitz matrix is in general not well-behaved, so that the classical Szego limit theorem for Toeplitz determinants cannot be used. It rather turns out that the generating function is often a so-called Fisher-Hartwig symbol. As such symbols are also emerging in statistical physics, their determinants have been thoroughly studied for decades. The results of these studies now prove to be of use in lattice theory. The talk is an introduction to some aspects of lattice theory and Toeplitz determinants. It touches in particular the Minkowski-Hlawka bound and the perfect lattice induced by the equiangular tight (7,28) frame. It also exhibits some recent results obtained in joint work of the speaker with Lenny Fukshansky, Stephan Ramon Garcia, Hiren Maharaj, and Deanna Needell.

im Anschluss vinum cum pane

Karlheinz Gröchenig, Christian Krattenthaler

Dienstag, 22. November 2016 von 12:00 Uhr bis 13:00 Uhr, BZ 1, 1. OG., OMP 1

Mathematical Physics Seminar: Hans-Jörg Ruppen (Ecole polytechnique de Lausanne): "A mountain pass theorem (existence and bifurcation)"

org. by G. Teschl

<http://www.mat.univie.ac.at/~gerald/mp-sem/ruppen16.pdf>

Dienstag, 22. November 2016 von 13:15 Uhr bis 14:45 Uhr, SR 10, 2. OG., OMP 1

Complex Analysis SE: Hélène Bommier (ix-Marseille Univ.): "Little Hankel operators on a class of vector valued Fock spaces"

org. by B. Lamel, M. Reiter

<http://complex.univie.ac.at/events/detail-of-event/news/little-hankel-operators-on-a-class-of-vector-valued-fock-spaces/>

Exceptional ! Dienstag, 22. November 2016, von 15:00 Uhr bis 16:00 Uhr, SR 9, 2. OG., OMP 1

Geometry and Analysis on Groups, Research SE: Gabor Elek (Lancaster Univ.): "Convergence and limits of representations of finite dimensional algebras"

org. by G. Arzhantseva, Ch. Cashen

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

Dienstag, 22. November 2016, von 15:00 Uhr bis 16:00 Uhr, SR Biomathematik, 9. OG., OMP 1

AG Biomathematik: Manveer Mangat (Uni Wien): "Continuous-time branching processes with applications to resistance theory of cancer cells"

org. by J. Hermisson, R. Bürger

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

Dienstag, 22. November 2016, von 15:15 Uhr bis 16:45 Uhr, TU Dissertantenraum, Freihaus, Turm A, 8. OG., Wiedner Hauptstraße 8-10, 1040 Wien

AG Diskrete Mathematik Seminar: Michael Wallner (TU Wien): "A note on the scaling limits of random Pólya trees"

org. by M. Drmota

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



Dienstag, 22. November 2016, von 16:30 Uhr bis 17:30 Uhr, BZ 9, 9. OG., OMP 1

Öffentlichen Defensio: Federico Berlai (Univ. Wien): "New residually amenable groups, permanence properties, and metric approximations"

org. by J. Hofbauer, G. Arzhantseva, (Details siehe Anhang)

Exceptional ! Mittwoch, 23. November 2016, von 11:00 Uhr bis 12:00 Uhr, BZ 2, 2. OG., OMP 1

Geometry and Analysis on Groups, Research SE: Tullio Ceccherini-Silberstein (Univ. del Sannio): "Expansive actions of countable amenable groups, homoclinic pairs, and the Myhill property"

org. by G. Arzhantseva, Ch. Cashen

<http://www.mat.univie.ac.at/~gagt/abstracts/161123.html>

Donnerstag, 23. November 2016, von 11:30 Uhr bis 13:00 Uhr, SR 10, 2. OG., OMP 1

NuHAG SE: Emil Ottosen (Univ. Aalborg): "A phase vocoder based on nonstationary gabor frames"

org. by KH. Gröchenig

<http://www.univie.ac.at/nuhag-php/home/seminar.php?abstract=Y&id=3225>

Mittwoch, 23. November 2016, von 15:00 Uhr bis 15:45 Uhr, Sky Lounge

PdD Colloquium: Robin Sulzgruber (Universität Wien): "An Introduction to Algebraic Combinatorics"

org. by J. Cinc (Details siehe Anhang)

Donnerstag, 24. November 2016, ab 14:00 Uhr, AG Gravitation, Währingerstr. 17, 2. OG. Raum 218,

Lunch SE: Daniel Grumiller (TU Vienna): "Soft Heisenberg hair"

org. by P. Chrusciel (Details siehe Anhang)

Donnerstag, 24. November 2016, von 16:00 Uhr bis 18:00 Uhr, Josephinum, SR 8 (Zi.02.101), Währinger Str. 25, 1090 Wien,

KGRC Research Seminar: Tin Lok Wong (KGRC): "ACT forcing"

org. by Kurt Gödel Research Center

http://www.logic.univie.ac.at/2016/Talk_11-24_a.html

Donnerstag, 24. November 2016, ab 16:30 Uhr, SR 09, 2. St., OMP1,

Vienna Seminar in Mathematical Finance and Probability: Ludovic Tangpi (Univ. Wien): "TBA"

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

Donnerstag, 24. November 2016, von 15:15 Uhr bis 16:00 Uhr, SR 7, 2. OG., OMP 1

SE Optimization: A general double-proximal gradient algorithm for d. c. programming"

org. by R.I. Bot, A. Neumaier, H. Schichl