



universität
wien

Fakultät für Mathematik

Vorträge

Mittwoch, 30. April 2014, Sky-Lounge (12 OG),
Oskar-Morgenstern-Platz 1, 1090 Wien
Mathematisches Kolloquium

15:00-15:45 Uhr

Prof. Dr. Michelle Wachs (University of Miami):
“On Eulerian polynomials and their generalizations”

Abstract: The Eulerian polynomials, which were introduced by Euler over 200 years ago, are pervasive throughout discrete mathematics and arise in a variety of surprising ways. Over the years generalizations and q -analogs possessing fundamental properties of the Eulerian polynomials have been introduced. I will discuss some of these generalizations and describe intriguing connections with algebraic geometry, representation theory and symmetric functions.

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

Kaffejause

16:15-17:00 Uhr

Prof. Dr. Jan Philip Solovej (University of Copenhagen):
“The classical entropy of quantum states”

Abstract: To quantify the inherent uncertainty of quantum states Wehrl ('79) suggested a definition of their classical entropy based on the coherent state transform. He conjectured that this classical entropy is by states that also minimize the Heisenberg uncertainty inequality, i.e., Gaussian coherent states. Lieb ('78) proved this conjecture and conjectured that the same holds when Euclidean Glauber coherent states are replaced by $SU(2)$ Bloch coherent states. This generalized Wehrl conjecture has been open for almost 35 years. This conjecture was settled last year in joint work with Elliott Lieb. Recently we simplified the proof and generalized it to $SU(N)$ for general N . I will discuss the different notions of classical entropy and the $SU(N)$ generalisation and sketch the proof.

Univ.-Prof. Dipl.-Ing. Dr. Gerald Teschl
Dekan Univ.-Prof. Dr. Harald Rindler

Mittwoch, 30. April 2014, von 13:00 Uhr bis 14:30 Uhr, Seminarraum 9, 2. Stock,
Oskar-Morgenstern-Platz 1, 1090 Wien,
Vortrag im Rahmen der Arbeitsgemeinschaft Algebraische Geometrie
Alberto Gioia: “Module of Differentials and the Cotangent bundle”
Organized by: H. Hauser



universität
wien

Fakultät für Mathematik

Montag, 28. April 2014, von 15:15 Uhr bis 17:00 Uhr, Seminarraum 8, 2. Stock,
Oskar-Morgenstern-Platz 1, 1090 Wien

[Arbeitsgemeinschaft Ergodentheorie](#)

Boris Hasselblatt: "Hyperbolic contact flows on hyperbolic 3-manifolds"

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

Dienstag, 29. April 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](#)

Marko Thiel: „Parking spaces“

Dienstag, 29. April 2014, von 11:15 Uhr bis 12:45 Uhr, Seminarraum 12, 2. Stock,
Oskar-Morgenstern-Platz 1, 1090 Wien

[Complex Analysis Seminar](#)

Egmont Porten: „Weak pseudoconcavity, hypoellipticity and extension of CR functions“

<http://www.univie.ac.at/complexanalysis/Activities/Seminar2014.html>

Mittwoch, 30. April 2014, von 17:15 Uhr bis 18:00 Uhr, HS 11, 2. Stock,
Oskar-Morgenstern-Platz 1, 1090 Wien

[Fachdidaktisches Kolloquium: Probleme des Mathematikunterrichts](#)

Univ.-Doz. Mag. Dr. Franz Embacher: „Wie (gut) bereitet der schulische
Mathematikunterricht auf Hochschule/Universität vor?“

Mittwoch, 30. April 2014, ab 11:15 Uhr, Seminarraum 12, 2. Stock, Oskar-Morgenstern-
Platz 1, 1090 Wien

[NuHag Seminar](#)

Luef Franz: “Higher rank vector bundles over noncommutative tori and Gabor
analysis”

Mittwoch, 30. April 2014, von 10:30 Uhr bis 12:00 Uhr, Besprechungszimmer,
3. Stock, Oskar-Morgenstern-Platz 1, 1090 Wien

[GAP Seminar](#)

Lorenzo Luperi : “Generalized functions in nonstandard analysis”

Link: http://www.mat.univie.ac.at/~gap_seminar/

Organized by M. Bauer , V. Branding, A. Burtscher, D. Fajman, F. Genoud, J. Joudioux