

Vorträge

Mittwoch, 17. Oktober 2012, ab 16:15 Uhr, Olga Taussky-Todd Raum (C 209), UZA 4
Mathematisches Kolloquium
Einladung zu einem Vortrag im Rahmen der Habilitation von
Dr. Oleksiy Kostenko: „The HELP inequality and indefinite spectral problems“

Abstract:

We study two problems. The first one is the similarity problem for indefinite Sturm--Liouville spectral problems. The second object is the so-called HELP inequality, a version of the classical Hardy-Littlewood inequality proposed by W.N. Everitt in 1971. Both problems are well understood when the corresponding Sturm-Liouville differential expression is regular. Our main objective is to give criteria for both the validity of the HELP inequality and the similarity to a self adjoint operator in the singular case. Namely, we establish new criteria formulated in terms of the behavior of the corresponding Weyl-Titchmarsh m -functions at 0 and at ∞ . As a byproduct of this result we show that both problems are closely connected. Next we characterize the behavior of m -functions in terms of coefficients and then these results enable us to reformulate the obtained criteria in terms of coefficients. Finally, we apply these results for the study of the two-way diffusion equation, also known as the time-independent Fokker-Plank equation.

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

Univ.-Prof. Mag. Dr. Karlheinz Gröchenig, Dekan Univ.-Prof. Dr. Harald Rindler

Montag, 15. Oktober 2012, ab 9:45 Uhr bis Freitag, 19. Oktober 2012, ab 10:00 Uhr,
Erwin Schrödinger Lecture Hall, Boltzmanngasse 9, 1090 Wien
Modern Methods of Time-Frequency Analysis II
Workshop Phase space methods for pseudodifferential operators
(Details siehe Attachment)
organized by: K. Gröchenig, M. de Hoop and M. Ruzhansky

Montag, 15. Oktober 2012, von 15:15 Uhr bis 17:00 Uhr, Seminarraum 2A310, UZA 2
Arbeitsgemeinschaft Ergodentheorie
Henk Bruin: “Renormalization and phase transitions for substitution subshifts.”
http://mat.univie.ac.at/~zweimueller/AG_ETHY.html

Montag, 15. Oktober 2012, ab 14:15 Uhr, Seminarraum D 104, UZA 4
Öffentliche Defensio
Boyu Zhang: „Evolutionary games and equilibrium selection“

Montag, 15. Oktober 2012, von 17:00 Uhr bis 18:30 Uhr, Seminarraum D 101
Vortrag im Rahmen des Seminars Wahrscheinlichkeitstheorie
Christoph Temmel: „Shearer's measure and stochastic domination of Bernoulli product fields“
Link: http://www.mat.univie.ac.at/~finance_hp/seminarWS12_prob.html

Dienstag 16. Oktober, von 15:15 Uhr bis 16:45 Uhr, TU Institut für Diskrete Mathematik und Geometrie, Freihaus, grüner Turm (A), 8. Stock, Dissertantenr., Wiedner Hauptst. 8-10, 1040 Wien

[Arbeitsgemeinschaft Diskrete Mathematik](#)

Per W. Alexandersson (Stockholm University): “Stretched skew Schur polynomials are recurrent”

Dienstag, 16. Oktober 2012, ab 14:00, WPI Seminarraum C 714

[WPI Talk](#)

Emeric Bouin (ENS Lyon) : “Kinetic traveling waves: swimming bacteria and cane toads”

http://www.wpi.ac.at/talks_view.php

Mittwoch, 17. Oktober 2012, von 14:20 Uhr bis 16:00 Uhr, Seminarraum C 207, UZA 4
[Geometry and Analysis on Groups – Research Seminar](#)

Alexandra Pettet (University of British Columbia): “Relative twisting in Outer space.”
organized by G. Arzhantseva, D. Osajda

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

Donnerstag, 18. Oktober 2012, von 16:00 Uhr bis 18:00 Uhr, Josephinum, SR (Zi. O2.101), Währingerstr. 25, 1090

[KGRC Research Seminar](#)

Laura Fontanella (KGRC): “Large Properties at Small Cardinals”

http://www.logic.univie.ac.at/Current_talk.html

Donnerstag, 18. Oktober 2012, von 17:00 Uhr bis 18:30 Uhr, Seminarraum D 101

[Vortrag im Rahmen des Seminars Finanzmathematik](#)

Nicolas Perkowski: “The existence of dominating local martingale measures”

Link: http://www.mat.univie.ac.at/~finance_hp/seminarWS12.html

Freitag, 19. Oktober 2012, ab 12:15 Uhr, TU Institut für Diskrete Mathematik und Geometrie, Freihaus, grüner Turm (A), 5. Stock, kleiner Seminarraum 104, Wiedner Hauptstraße 8-10, 1040 Wien

[Algebra Seminar](#)

- 12:15 Valerie Berthé: Fully subtractive algorithm and discrete geometry
- 13:00 Timo Jolivet: Rauzy fractals with countable Fundamental group

Link: <http://www.dmg.tuwien.ac.at/fg1/seminar.html>