

## VORTRÄGE

15:45 Uhr Kaffeejause

**Mittwoch, 31. Jänner 2018 16:15 bis 17:15**, Sky Lounge, 12. OG, OMP 1

**Mathematisches Kolloquium: Stuart White (University of Glasgow): "Quasidiagonality and amenability"**

Org: Martin Finn-Sell

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2017\\_18/20180131StuartWhite.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/20180131StuartWhite.pdf)

**Abstract:**

*In finite dimensions we're familiar with various canonical forms for matrices, such as diagonalisation or more generally, the Jordan normal form which allows us to present a general matrix in a block diagonal picture. In infinite dimensions things become more tricky, and exact block diagonal representations of operators on infinite dimensional spaces do not generally exist, though we can look for some kind of approximate block diagonalisation. This talk will be concerned with one such approximation property: quasidiagonality. Introduced by Halmos in the 70's it's has a somewhat mysterious topological flavour, and unexpected connections to other concepts. In this talk I'll survey quasidiagonality, and explore one such connection – to amenability of groups -- through the so called Rosenberg conjecture. All terminology in the abstract will be carefully explained during the talk.*

### Vinum cum pane im Anschluss

**Dienstag, 30. Jänner 2018 15:00 bis 17:00**, BZ 9, 9.OG, OMP1

**AG Biomathematik: Lisa Malinowska (Univ. Wien): "Lotka-Volterra systems with migration between two patches"**

Org: J. Hermisson, R. Bürger

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

**Dienstag, 30. Jänner 2018 15:15 bis 16:45**, Dissertantenraum, Freihaus, Turm A, 8. OG., Wiedner Hauptstr. 8-10, 1040 Wien

**AG Diskrete Mathematik: Gwendal Collet (TU Wien): "Counting patterns in graphs with degree constraints"**

Org: M. Drmota

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

**Dienstag, 30. Jänner 2018 15:15 bis 17:00**, SR 09, 2. OG, OMP 1

**Geometry and Analysis on Groups Research SE: Stuart White (University of Glasgow): "C\*-algebras associated to topological dynamics and groups: classification results"**

Org: G. Arzhantseva, Ch. Cashen

<http://www.mat.univie.ac.at/~gagt/abstracts/180131.html>

**Dienstag, 30. Jänner 2018 16:15 bis 17:15**, Fakultät für Physik, Erwin Schrödinger-Hörsaal, Boltzmannng. 5, 5. St., 1090 Wien

**Teilchenphysik SE: Manuel Fink und Michael Lanschützer (Univ. Wien): "Spontaneous symmetry breaking in theories with classical scale invariance"**

Org: H. Neufeld

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2017\\_18/SeminareinladungTeilchenphysik\\_Fink\\_Lanschuetzer\\_30Jaenner2018.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/SeminareinladungTeilchenphysik_Fink_Lanschuetzer_30Jaenner2018.pdf)

**Mittwoch, 31. Jänner 2018 11:30 bis 13:00**, HS 11, 2. OG, OMP 1

**NuHAG SE: Markus Youssef (Univ. Wien): "Laplace meets Markov - An introduction to spectral graph theory"**

Org: KH. Gröchenig

[https://www.univie.ac.at/nuhag-php/program/talks\\_details.php?id=3423](https://www.univie.ac.at/nuhag-php/program/talks_details.php?id=3423)

**Mittwoch, 31. Jänner 2018 14:30 bis 15:30**, ESI, Boltzmann Lecture Hall, Boltzmannngasse 9/2,1090 Wien

**ESI-Colloquium: Geoffrey Vallis (Univ. of Exeter): "A Theory for the Meridional Overturning Circulation of the Ocean"**

Org: A. Constantin

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2017\\_18/Vallis.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/Vallis.pdf)

**Mittwoch, 31. Jänner 2018 15:30 bis 17:00**, ESI, Boltzmann Lecture Hall, Boltzmannngasse 9/2,1090 Wien

**ESI-Colloquium: David Marshall (Univ. Oxford): "Geometry and Energetics of Mesoscale Ocean Eddies and Their Rectified Impact on Climate"**

Org: A. Constantin

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2017\\_18/Marshall.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/Marshall.pdf)

**Mittwoch, 31. Jänner 2018 16:00 bis 17:30**, SR. 8, 2. OG, OMP 1

**Complex Analysis Groups SE: Leo Veselka (Univ. Wien): "On some properties of Fock spaces and the boundedness and compactness of the integral operator  $T_g$ "**

Org: M. Reiter, B. Lamel

<http://complex.univie.ac.at/events/detail-of-event/news/on-some-properties-of-fock-spaces-and-the-boundedness-and-compactness-of-the-integral-operator-t-g/>

**Donnerstag, 01. Februar 2018 12:00 bis 13:00**, SR 11, 2. OG, OMP 1

**Defensio: Markus Holzleitner (Univ. Wien): "Dispersive Estimates for Spherical Schrödinger Equations"**

Org: J. Hofbauer, G. Teschl

**Donnerstag, 01. Februar 2018 16:30 bis 18:00**, SR 11, 2. OG, OMP 1

**Vienna SE in Mathematical Finance and Probability: Ludovic Tangpi (Univ. Wien):**

**"Representations of some non-exponential functions of Wiener process and applications"**

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