

VORTRÄGE

15.45 Uhr: Kaffeejause

16.15 Uhr: Vortrag

Mittwoch, 30. November 2022 16:15 bis 17:00

SKY LOUNGE, 12. OG, OMP 1

Regularity properties of subsets of the real line and other polish spaces

Menachem Magidor (Hebrew University of Jerusalem)

Mathematisches Kolloquium

Org.: R. Bot, V. Fischer

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Events_News/Vortraege_Events/2021_22/Einladung_MathKoll_Magidor.pdf

<https://mathematik.univie.ac.at/eventsnews/mathematisches-kolloquium/>

Abstract:

Using the axiom of choice one can construct set of reals which are pathological in some sense. Similar constructions can produce such "pathological" subsets of any non-trivial Polish space (= a complete separable metric space). Typical examples of "pathology" is the set being non-measurable, lacking the property of Baire (=not equivalent to an open set modulo meager set), being a counter example to generalizations of Ramsey theorem. A subset of the Baire space $\mathbb{N}^{\mathbb{N}}$ is "pathological" if in the associated game, no player has a winning strategy. A prevailing paradigm in Descriptive Set Theory is that sets that has a "simple description" should not be pathological. Evidence for this maxim is the fact that Borel sets are not pathological in any of the senses described above. In this talk we shall present a notion of "super regularity" for subsets of a Polish space, the family of universally Baire sets. The universally Baire sets typically do not show the "pathologies" we listed above, especially if one assumes the existence of large cardinals. We shall try to describe the deep impact that the existence of the large cardinals has on the structure of definable sets of reals and universally Baire sets.

The talk should be accessible to a wide mathematical audience.

vinum cum pane im Anschluss

Montag, 28. November 2022 15:00 bis 16:30

SR6 (1ST FLOOR)

Quasicrystals and Poisson's summation formula (II)

Diana Carbajal (University of Vienna)

Org.: L. Liehr and I. Shafkulovska

<https://univiennea.zoom.us/j/66031419470?pwd=bXd3V0xEMWM0MTQwS09nWStEV0NnUT09>

<https://mathematik.univie.ac.at/eventsnews/nachrichtenvolldarstellung/news/quasicrystals-and-poissons-summation-formula-ii/>

Dienstag, 29. November 2022 13:15 bis 14:45

SR 10, 2. OG., OMP 1

Mirror symmetry and big algebras

Tamas Hausel (ISTA)

Seminar "Representation Theory and Automorphic Forms"

Org.: H. Grobner, A. Minguez-Espallargas, A. Mellit

Dienstag, 29. November 2022 13:30 bis 14:30

ZOOM MEETING

Applications of interacting particle systems in life- and social-sciences across scales

Michael Fischer

Öffentliche Defensio

Org.: Fakultät für Mathematik, Andreas Cap

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Events_News/Vortraege_Events/2021_22/Fischer.pdf

Dienstag, 29. November 2022 14:00 bis 15:00

ZOOM MEETING

Hidden symmetries in cosmology and black holes

Francesco Sartini

Joint Theory Seminar

Org.: TU Wien und Mathematische Physik (Fakultät für Physik)

Dienstag, 29. November 2022 15:00 bis 16:30

SR 10, 1. STOCK, KOLING. 14-16, 1090 WIEN SR 10, 1. STOCK, KOLING. 14-16, 1090 WIEN

Subversion Forcing, part 2

C. Switzer (U Wien)

KGRC SE

Org.: KGRC

Dienstag, 29. November 2022 15:15 bis 16:45

TU WIEN, WIEDNER HAUPTSTRASSE 8-10, INSTITUT FUER DISKRETE MATHEMATIK UND GEOMETRIE, DISSERTANTENZIMMER, 8. STOCK, TURM A.

Partition counting inspired by enumerative geometry

Balazs Szendroi

AG Diskrete Mathematik

Org.: Ch. Krattenthaler

Dienstag, 29. November 2022 16:15 bis 17:00

ZOOM MEETING

Mining Perturbation Theory: Resurgence-Inspired Extrapolation and Analytic Continuation

Gerald V. Dunne (U Connecticut)

Vortrag

Org.: Teilchenphysik

Mittwoch, 30. November 2022 14:00 bis 14:45

TU WIEN UND ZOOM MEETING

Hadamard's inequality in the mean

Martin Kružík (Institute of Information Theory and Automation (UTIA), Czech Academy of Sciences, CZ)

PDE Afternoon

Org.: SFB 65

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Events_News/Vortraege_Events/2021_22/pde_afternoon_2022-11-30_new.pdf

<https://sfb65.univie.ac.at/#!/public/events/details/?type=1&id=694>

Mittwoch, 30. November 2022 15:00 bis 16:30

SR 10, 1. STOCK, KOLING. 14-16, 1090 WIEN SR 10, 1. STOCK, KOLING. 14-16, 1090 WIEN

Tame fields and beyond, III

F.-V. Kuhlmann (U of Szczecin, PL)

Org.: KGRC

Mittwoch, 30. November 2022 15:00 bis 15:30

TU WIEN UND ZOOM MEETING

Phase Separation in Heterogeneous Fluids

Likhit Ganedi (RWTH Aachen U, DE)

PDE Afternoon

Org.: SFB 65

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Events_News/Vortraege_Events/2021_22/pde_afternoon_2022-11-30_new.pdf

<https://sfb65.univie.ac.at/#!/public/events/details/?type=1&id=695>

Mittwoch, 30. November 2022 18:00 bis 19:00

Information theory through kernel methods

Francis Bach (INRIA)

One World Seminar on the Mathematics of Machine Learning

Org.: P. Peterson

<https://www.oneworldml.org/>

Donnerstag, 01. Dezember 2022 09:30 bis 10:30

ZOOM MEETING

On PDE models for transportation networks

Giulia Pilli

Öffentliche Defensio

Org.: Fakultät für Mathematik, Andreas Cap

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Events_News/Vortraege_Events/2021_22/Pilli.pdf

Donnerstag, 01. Dezember 2022 09:30 bis Freitag, 02. Dezember 2022 16:30

ESI, BOLTZMANN LECTURE HALL, BOLTZMANNGASSE 9/2, 1090 WIEN

Mathematical Methods for the Study of Self-organization in the Biological Sciences

Kyoto-Vienna biomath workshop

Org.: P. Degond (IMT), M. Doumic (Sorbonne U, Paris), A. Kicheva (ISTA, Klosterneuburg), S. Merino-Aceituno (U Vienna), C. Schmeiser (U Vienna)

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Events_News/Vortraege_Events/2021_22/schedule-KMS22_Kyoto-ViennaWorkshop.pdf

<https://www.esi.ac.at/events/e432/>

Donnerstag, 01. Dezember 2022 09:45 bis 11:15

BZ 2, 2. OG., OMP 1

Semi-flat mirror symmetry of hyperkaehler metrics and branes

Maria Anna Sisak (IST)

Geometry and Topology Seminar

Org.: A. Mellit, B. Szendroi, V. Vertesi

Donnerstag, 01. Dezember 2022 14:00 bis 16:00

TU WIEN, SEMINARRAUM 389, EG, GUSSHAUSSTRASSE 25-29, 1040 WI

Delocalisation of random Lipschitz functions

Alexander Glazman (Universität Innsbruck)

(Not So) Informal Probability Seminar

Org.: M. Lis (TU Wien)

https://mathematik.univie.ac.at/forschung/biomathematik-dynamische-systeme-finanzmathematik-und-wahrscheinlichkeitsrechnung/stochastik-und-finanzmathematik/not-so-informal-probability-seminar/?no_cache=1

Donnerstag, 01. Dezember 2022 15:00 bis 16:00

HS 3, EG, OMP 1

Mathematics in Africa - a panel discussion

VSM Event

Org.: VSM

Donnerstag, 01. Dezember 2022 15:15 bis 16:15

ZOOM MEETING

The second law of black hole mechanics in effective field theory

Harvey Reall (Cambridge)

Vortrag

Org.: Gravitationsphysik

Donnerstag, 01. Dezember 2022 17:00 bis 17:30

ONLINE

The basic reproduction number for linear semigroups in \mathbb{R}^n with an invariant cone

Patrick DeLeener (Oregon State U)

Online seminar 'Mathematics of reaction networks'

Org.: St. Müller

<https://researchseminars.org/seminar/MoRN>

Donnerstag, 01. Dezember 2022 17:30 bis 18:00

ONLINE

Stochastic reaction networks within interacting compartments

Aidan Howells (U of Wisconsin-Madison)

Online seminar 'Mathematics of reaction networks'

Org.: St. Müller

<https://researchseminars.org/seminar/MoRN>

Freitag, 02. Dezember 2022 16:15 bis 17:15

ERWIN-SCHRÖDINGER-LH, BOLTZMANNGASSE 5, 5TH FLOOR

Electroweak logarithms in inclusive cross sections

Wouter Waalewijn (U Amsterdam)

Vortrag

Org.: Teilchenphysik