

VORTRÄGE

Mittwoch, 22. März 2017 13:00 bis 13:45, Sky Lounge, OMP 1

Junior Kolloquium Peter Cameron (Univ. of St. Andrews): "The ADE affair"

Org. Ch. Krattenthaler, M. Eichmair, M. Schlosser

In 1978, at a symposium on the Hilbert problems, Arnold proposed understanding the connections linking the occurrence of the Coxeter—Dynkin diagrams of types A_n , D_n , E_6 , E_7 and E_8 in parts of mathematics ranging from singularity theory to finite simple groups. I will speak about some aspects of this fascinating problem, including my own first meeting with the ADE classification in a research problem (describing graphs with least eigenvalue $2-2$).

Mittwoch, 22. März 2017 14:15 bis 15:00, Sky Lounge, OMP 1

Mathematisches Kolloquium: Andrei Okounkov (Columbia Univ.), "Monodromy and derived equivalences"

Org. Ch. Krattenthaler, M. Eichmair, M. Schlosser

Monodromy of linear differential equations is a very old topic in mathematics. Computing the monodromy of specific equations is like computing values of transcendental functions at certain special points, and this subject has seen an influx of new ideas for differential equations of geometric and representationtheoretic origin. Some very special equations, such as the so-called quantum differential equations for equivariant symplectic resolutions, lie on the crossroads of several branches of mathematics, and for them a very precise information is available. New material in my talk will be from a joint work with Roman Bezrukavnikov.

15:45 Kaffeejause

Mittwoch, 22. März 2017 16:15 bis 17:00, Sky Lounge, OMP 1

Mathematisches Kolloquium Peter Cameron (Univ. of St. Andrews),: "The random graph"

Org. Ch. Krattenthaler, M. Eichmair, M. Schlosser

In 1963 Erdős and Rényi discovered the remarkable fact that, if edges of a graph are chosen independently from the 2-element subsets of a countable set, then there is a particular graph which occurs with probability 1. This graph has many interesting properties and has a large (and simple) automorphism group. The graph was constructed explicitly by Rado at about the same time (without noticing the connection); other constructions involve set theory and number theory. But there is a prehistory of this result. The random graph is an example of Fraïssé's theory of homogeneous structures and amalgamation classes, which he developed around 1950, which has applications in logic, Ramsey theory, and topological dynamics. But even earlier in 1924, a post-homous paper of Urysohn had used these ideas to construct a remarkable Polish space (complete separable metric space) which is universal and homogeneous. In fact, a slight variant of Urysohn's construction produces the random graph.

Anschließend vinum cum pane

Montag, 20.03.2017 ab 09:00 bis Freitag, 24.03.2017 16:10, ESI, Boltzmann Lecture Hall

Boltzmanngasse 9/2 1090 Wien

Workshop: "Elliptic Hypergeometric Functions in Combinatorics, Integrable Systems and Physics"

Org: Ch. Krattenthaler (Univ. Wien), M. Noumi (Univ. Kobe), S. Ruijsenaars (Univ. Leeds), M. Schlosser (Univ. Wien), V. Spiridonov (JINR & NRU HSE), S. O. Warnaar (Univ. Queensland) (Details siehe Anhang)

Montag, 20. März 2017, 12:30 bis 13:30, BZ, 2. St., OMP

Mathematical Physics SE: Tom Koornwinder (Univ. of Amsterdam),: "Dual addition formula for Gegenbauer polynomials"

Org: G. Teschl

<http://www.mat.univie.ac.at/~gerald/mp-sem/koornwinder17.pdf>

Dienstag, 21. März 2017 11:30 bis 13:00, SR 8, 2 OG., OMP 1

Complex Analysis SE: David Kalaj (Univ. Montenegro): "Deformations of Annuli and the generalization of Nitsche conjecture"

Org: M. Reiter, B. Lamel

<http://complex.univie.ac.at/events/detail-of-event/news/deformations-of-annuli-and-the-generalization-of-nitsche-conjecture/>

Dienstag, 21. März 2017, 15:00 bis 17:00, SR 9, 2. OG., OMP 1,
Geometry and Analysis on Groups Research SE: Martin Finn Sell (Univ. Wien): "An introduction to geometry and analysis on groups"
Org. by G. Arzhantseva, Ch. Cashen
<http://www.mat.univie.ac.at/~gagt/Seminar.html>

Dienstag, 21. März 2017 14:15 bis 15:15, ESI, Boltzmann Lecture Hall Boltzmanngasse 9/2 1090 Wien
SE Mathematische Physik: Eric Bergshoeff (Univ. of Groningen, NL): "Applied Newton-Cartan Geometry"
Org: S. Fredenhagen, H. Steinacker (Details siehe Anhang)

Dienstag, 21. März 2017 15:15 bis 16:45, Dissertantenraum, Freihaus, Turm A, 8. OG., Wiedner Hauptstr. 8-10, 1040 Wien
AG Diskrete Mathematik: Peter Cameron (Univ. of St. Andrews and Queen Mary Univ. London): "Combining the cycle index and the Tutte polynomial"
Org: Ch. Krattenthaler
<http://dmg.tuwien.ac.at/nfn/agdm.html>

Dienstag, 21. März 2017 17:15 bis 18:15, HS 13, 2. OG., OMP 1
Fachdidaktisches Kolloquium: Christine Pöschl, (Don Bosco Gymnasium): "Flipped Classroom - ein neues aufregendes Unterrichtskonzept - umgedrehter Unterricht in der Praxis"
Org: H. Humenberger (Details siehe Anhang)

Mittwoch, 22. März 2017 11:30 bis 12:30, SR 10, 2. OG., OMP 1
NuHAG SE: Maurice De Gosson, (Univ. Wien) "Recent advances in positivity questions for trace class operators"
Org: KH. Gröchenig
http://www.univie.ac.at/nuhag-php/program/talks_details.php?id=3281

Donnerstag, 23.03.2017 bis Freitag, 24.03.2017, WPI Seminarraum 08.135
Workshop WPI: "Coagulation and Fragmentation Equations"
Org: M. Doumic-Jauffret (WPI & INRIA), Ch. Schmeiser (WPI & Univ. Wien)
http://www.wpi.ac.at/event_view.php?id_activity=228

Donnerstag, 23. März 2017 14:00 bis 15:00, , Währingerstr. 17, Raum 218, 2. OG
AG Gravitation: Andrzej Rostworowski (Univ. Cracow): "Higher order perturbations of Anti-de Sitter space and time-periodic solutions of vacuum Einstein equations"
Org: P. T. Chrusciel (Details siehe Anhang)

Donnerstag, 23. März 2017 15:15 bis 17:00, BZ 09.142, 9 OG., OMP 1
AG Ergodentheorie: Jan Tesarcik: "On the spectrum of dynamical systems on trees"
Org: H. Bruin, R. Zweimüller
http://mat.univie.ac.at/~zweimueller/AG_ETHY.html

Donnerstag, 23. März 2017 16:00 bis 18:00, KGRC, Währingerstr. 25, 2 OG, Room 101
KGRC SE: Michal Tomasz Godziszewski (Univ. Warsaw), "Computable quotient presentations of models of arithmetic and set theory"
Org: KGRC
http://www.logic.univie.ac.at/2017/Talk_03-23_a.html

Freitag, 24. März 2017 08:00 bis 09:00, Vis Lab Raum 1.313, OMP 1
öffentliche Defensio: Dong Guozhi (Univ. Wien): "Regularization and Imaging Methods for Solving Inverse Problems with Solutions on Surfaces"
Org: J. Hofbauer (Univ. Wien), O. Scherzer (Univ. Wien), R. Bot (Univ. Wien), B. Anderssen (Univ. Canberra) (Details siehe Anhang)