

VORTRÄGE

15:45 Kaffeejause

Mittwoch, 27. November 2019 16:15 bis 19:00, Sky Lounge, 12. OG, OMP 1

Mathematisches Kolloquium: Georg Schiemer (U Vienna): "How geometry became structural"

Org: R. Donniger, Ch. Krattenthaler

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/Einladung_Schiemer.pdf

Abstract:

Structuralism in the philosophy of mathematics is, roughly put, the view that mathematical theories study abstract structures or the structural properties of their subject fields. The position is strongly rooted in modern mathematical practice. In fact, one can understand structuralism as an attempt to come to terms philosophically with a number of wide-ranging methodological transformations in 19th and early 20th century mathematics, related to the rise of modern geometry, number theory, and abstract algebra. The present talk will focus on the geometrical roots of structuralism. Specifically, we will survey some of the key conceptual changes in geometry between 1860 and 1910 that eventually led to a "structural turn" in the field. This includes (i) the gradual implementation of model-theoretic techniques in geometrical reasoning, for instance, the focus on duality and transfer principles in projective geometry; (ii) the unification of geometrical theories by algebraic methods, specifically, by the use of transformation groups in Felix Klein's Erlangen Program; and (iii) the successive consolidation of formal axiomatics in work by Hilbert and others.

Im Anschluss: vinum cum pane

Montag, 25. November 2019 10:00 bis 11:10, SR 10, 2. OG., OMP 1

Seminar on Geometry and Mathematical Physics: Valdemar Tsanov (Ruhr Universität Bochum): "Subgroup actions on flag varieties and GIT "

Org: G. Dimitrov und A. Mellit

Montag, 25. November 2019 15:30 bis 12:20, ESI, Schrödinger Lecture Hall, Boltzmanngasse 9/2, 1090 Wien

MCMP Seminar: Jan Maas: "Optimal transport: continuous, discrete, and quantum"

Org: R. Donniger und D. M. Fajman

Dienstag, 26. November 2019 13:15 bis 14:45, SR 8, 2. OG, OMP 1

Representation Theory and Automorphic Forms: Thomas Lanard (University of Vienna): "Intertwining operators for p-adic groups"

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

Dienstag, 26. November 2019 13:45 bis 14:30, Fakultät für Physik, Erwin Schrödinger-Hörsaal, Boltzmanng. 5, 5. St., 1090 Wien

SE Mathematische Physik (Joint TU/UV Theory): Hadi Godazgar (MPI, Potsdam): "Dual and extended asymptotic charges"

Org: S. Fredenhagen, D. Grumiller, C. Zwickel, T. Schimannek

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/JointTheorySeminar_Godazgar_26Nov2019.pdf

Dienstag, 26. November 2019 15:00 bis 17:00, SR 7, 2. OG., OMP 1

Geometry and Analysis on Groups Seminar: Ric Wade (Oxford): " $\mathrm{Out}(F_n)$ "

Org: G. Arzhantseva, Ch. Cashen

https://mathematik.univie.ac.at/forschung/seminare/geometry-and-analysis-on-groups-seminar/?no_cache=1

Dienstag, 26. November 2019 15:15 bis 16:45, TU Wien, Dissertantenraum, Freihaus, Turm A, 8. OG., Wiedner Hauptstr. 8-10, 1040 Wien

AG Diskrete Mathematik: Julian Ritter (École Polytechnique): "Towards type B quotientopes"

Org: M. Drmota

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

Dienstag, 26. November 2019 16:15 bis 17:00, Fakultät für Physik, Erwin Schrödinger-Hörsaal, Boltzmanng. 5, 5. St., 1090 Wien

SE Teilchenphysik: Kirill Melnikov (KIT, Karlsruhe): "Higgs boson production in weak boson fusion: non-factorizable QCD corrections"

Org: A. Hoang, S. Plätzer

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/SeminareinladungTeilchen_Melnikov_26NOV2019.pdf

Dienstag, 26. November 2019 16:30 bis 17:30, IST Austria, Heinzl SR / Ground floor, Office Bldg West (I21.EG.101)

SE VPS: David Renfrew (IST Austria): "Randomly coupled differential equations and non-Hermitian random matrices"

Org: M. Beiglböck, N. Berestycki, L. Erdős, J. Maas

Dienstag, 26. November 2019 17:30 bis 18:30, IST Austria, Heinzl SR / Ground floor, Office Bldg West (I21.EG.101)

SE VPS: Federico Sau (IST Austria): "Interacting particle systems, stochastic self-duality and homogenization: hydrodynamics in random environment "

Org: M. Beiglböck, N. Berestycki, L. Erdős, J. Maas

Mittwoch, 27. November 2019 11:30 bis 13:00, SR 11

SE Harmonic Analysis: Laurent Bétermin (University of Vienna): "From potentials to minimizing structures"

Org: M. Ehler, K. Gröchenig

Mittwoch, 27. November 2019 14:00 bis 14:45, TU Wien, Wiedner Hauptstraße 8, FH 8 Nöbauer HS (2nd floor - yellow area)

PDE Afternoon: Astrid Pechstein (Johannes Kepler Universität Linz): "Locking-free Mixed Finite Element Methods for Nonlinear Elasticity"

Org: SFB 65, DK

<https://www.univie.ac.at/sfb65/#!/public/events/details/?type=1&id=439>

Mittwoch, 27. November 2019 15:00 bis 15:30, TU Wien, Wiedner Hauptstraße 8, FH 8 Nöbauer HS (2nd floor - yellow area)

PDE Afternoon: Katharina Brazda (University of Vienna): "Elastic curves with density"

Org: SFB 65, DK

<https://www.univie.ac.at/sfb65/#!/public/events/details/?type=1&id=440>

Mittwoch, 27. November 2019 15:30 bis 16:00, TU Wien, Wiedner Hauptstraße 8, FH 8 Nöbauer HS (2nd floor - yellow area)

PDE Afternoon: Michael Innerberger (TU Wien): "Strong-Weak Uniqueness for Solutions of the Landau-Lifshitz-Gilbert Equation"

Org: SFB 65, DK

<https://www.univie.ac.at/sfb65/#!/public/events/details/?type=1&id=441>

Donnerstag, 28. November 2019 10:30 bis 11:15, SR 6, 1. OG, OMP 1

Habilitationsvortrag: Paolo Piovano (Universität Wien): "Analytical validation of variational models for epitaxially-strained thin films"

Org: M. Kunzinger, Ch. Krattenthaler

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/Einladung_Habilvortrag_Piovano_Paolo.pdf

Donnerstag, 28. November 2019 16:00 bis 18:00, KGRC, Augasse 2-6, Ebene 5

SE KGRC: István Juhász (Rényi Mathematical Institute, Budapest, HU): "Large cardinals in topology "

Org: KGRC

http://www.logic.univie.ac.at/2019/Talk_11-28_a.html

Freitag, 29. November 2019 11:00 bis 12:00, BZ 9, 9. OG, OMP1

Vortrag: Thomas Körber (Albert-Ludwigs-Universität Freiburg): "The Riemannian Penrose inequality for asymptotically flat manifolds with a non-compact boundary"

Org: M. Eichmair