



Vorträge

Mittwoch, 15. Oktober 2014, Sky-Lounge (12 OG), Oskar-Morgenstern-Platz 1, 1090 Wien
Mathematisches Kolloquium

Prof. Dr. Ashwin Roderick Gover (University of Auckland):
“Klein, Poincaré, and geometry at infinity”

Abstract:

Conformal compactification, as originally defined by Penrose, has long been recognised as an effective geometric framework for relating geometry, and associated field theories "at infinity", to the asymptotic phenomena of an interior (pseudo-)Riemannian geometry of one higher dimension. This notion of compactification generalises the treatment of infinity in the Poincaré model of hyperbolic space. Using this observation, conformal compactification can be recast in a way that nicely links to certain Lie group orbit decompositions and a theory generalising such structures. This perspective yields a host of applications. It also leads naturally to other notions of geometric compactification that can be expected to be similarly useful. For a manifold endowed with a complete affine connection, I will define a class of compactifications based around projective geometry (that is the geodesic path structure of the connection). This applies to pseudo-Riemannian geometry via the Levi Civita connection.

15:45 Uhr – 16:15 Uhr K & K (Sky Lounge)

Univ.-Prof. Mag. Dr. Andreas Cap
Dekan Univ.-Prof. Dr. Harald Rindler

Sonntag, 12. Oktober 2014 von 10:00 Uhr bis 16:00 Uhr,
(!)TU Wien, Wiedner-Hauptstraße 8-10, 1040 Wien
ESI Programme on “Minimal Energy Point Sets, Lattices and Designs”

Preparatory Lectures for the ESI Workshop on
“Optimal Point Configurations and Applications”
(Details siehe Attachment)

organized by

Ch. Bachoc (U Bordeaux), P. Grabner (Graz U of Technology), E. B. Saff (Vanderbilt U, Nashville), A. Schürmann (U Rostock)

Montag, 13. Oktober 2014 ab 9:00 Uhr bis Freitag, 17. Oktober 2014, ab 9:00 Uhr,
(!)Erwin Schrödinger Lecture Hall, Boltzmanngasse 9, 1090 Wien
ESI Programme on “Minimal Energy Point Sets, Lattices and Designs”

Workshop on “Optimal Point Configurations and Applications”
(Details siehe Attachment)

organized by

Ch. Bachoc (U Bordeaux), P. Grabner (Graz U of Technology),
E. B. Saff (Vanderbilt U, Nashville), A. Schürmann (U Rostock)

Dienstag, 14. Oktober 2014, von 10:15 Uhr bis 11:45 Uhr, Seminarraum 12, 2. Stock
Oskar-Morgenstern-Platz 1, 1090 Wien

Complex Analysis Seminar

Giuseppe Della Sala: “Homogeneous subsets of the plane”

(Details siehe Link: <http://www.univie.ac.at/complexanalysis/Activities/Seminar2014.html>)



Dienstag, 14. Oktober 2014, von 15:00 Uhr bis 17:00 Uhr, Seminarraum 8, 2. Stock
Oskar-Morgenstern-Platz 1, 1090 Wien

Geometry and Analysis on Groups

Neha Gupta (University of Illinois): “Nielsen Equivalence Classes in a Class of Random Groups.”

(Details siehe Link: <http://www.mat.univie.ac.at/~gagt/Seminar.html>)

Organized by G. Arzhantseva, Ch. Cashen

Donnerstag, 16. Oktober 2014, von 16:00 Uhr bis 18:00 Uhr, Josephinum,
SR (Zi. O2.101), Währingerstr. 25, 1090 Wien

KGRC Research Seminar

Andrew Brooke-Taylor (University of Bristol, UK): “An analogy between cardinal characteristics and highness properties of Turing oracles”

(Details siehe Link: http://www.logic.univie.ac.at/Research_seminar.html)

Donnerstag, 16. Oktober 2014, Seminarraum 9, 2. Stock, Oskar-Morgenstern-Platz 1, 1090 Wien
Vorträge im Rahmen des Seminars Optimierung in den Anwendungen

12:15 Uhr bis 13:15 Uhr:

Dr. Ernő Robert Csetnek (University of Vienna):” On the convergence rate improvement of a primal-dual splitting algorithm for solving monotone inclusion problems”

13:15 Uhr bis 13:45 Uhr:

Simon Konzett (University of Vienna): “A generalization of the CMA-ES algorithm for functions with matrix input”

Organized by R. Bot, A. Neumaier, H. Schichl

Freitag, 17. Oktober 2014, Seminarraum 3, 2. Stock, Oskar-Morgenstern-Platz 1, 1090 Wien
The Budapest – Wien Dynamics Seminar

14:00 Uhr bis 15:00 Uhr:

Pawel Pilarczyk (IST Austria): Perception of transitivity and mixing at finite resolutions.
This is joint work with Stefano Luzzatto.

15:15 Uhr bis 16:15 Uhr:

Dalia Terhesiu (Vienna): A renewal scheme for non-uniformly hyperbolic flows.

16:45 Uhr-17:45 Uhr:

Carl Dettmann (Bristol): Stickiness in mushroom billiards.

(Details siehe Link <http://mat.univie.ac.at/~zweimueller/BudWiSer/Budwiser.html>)

Organized by H. Bruin, D. Szasz

Freitag, 17. Oktober 2014 ab 15:00 Uhr bis Samstag, 18. Oktober 2014, ab 10:10 Uhr, HS 6,
Freihaus, 2. Stock, grüner Bereich, Wiedner Hauptstraße 8-10, 1040 Wien

**Einladung zum Festkolloquium Anlässlich des 50. Geburtstags von
Univ. Prof. Dipl.-Ing. Dr. techn. Michael Drmota**

(Details siehe Attachment)