Fakultät für Mathematik

Vorträge

Mittwoch, 28. Okt. 2015, ab 15:00 Uhr, Sky-Lounge (12 OG), Oskar-Morgenstern-Platz 1, 1090 Wien
Junior Kolloquium und Mathematisches Kolloquium
Prof. Dr. Daniel Murfet (University of Melbourne): "The linear algebra of programs"

Abstract:
Computer programs are subtle mathematical objects that can be viewed from many different angles. From one perspective, familiar to anyone who knows C or Java, programming is about driving a state machine (and maybe crashing it). There are, however, other perspectives on programs which afford natural connections to otherareas of mathematics. I will give an introduction to one such way of thinking about programs, called the sequent calculus, and show how this language can be modelled using linear algebra.

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

Prof. Dr. Daniel Murfet (University of Melbourne):"Two odd things about computation"

Abstract:
The first formal definition of an algorithm was given by Turing less than a century ago, and now most of us carry a universal Turing machine in our pockets. However, many basic aspects of computation remain puzzling. I will highlight two of these aspects. The first is the paradox of Maxwell's demon in thermodynamics, the resolution of which by Bennett has deep implications for computation. The second is Russell's paradox in logic; I will explain a new perspective which has inspired recent practical progress in the design of programming languages.

Univ. Prof. PhD Nils Carqueville
Dekan Univ.-Prof. Dr. Harald Rindler

Dienstag, 27. Okt. 2015, von 14:15 bis 15:00 Uhr, SR 12, 2. OG., Oskar-Morgenstern-Platz 1, 1090 Wien
Mathematical Physics Seminar
Jonathan Eckhardt (Univ. Vienna): „The conservative Camassa-Holm flow with decaying initial data "
Organized by G. Teschl, A. Kostenko
http://www.mat.univie.ac.at/~gerald/mp-sem/eckhardt15.pdf

Dienstag, 27.Okt. 2015, von 15:00 Uhr bis 17:00 Uhr, SR 8, 2. OG., Oskar-Morgenstern-Platz 1, 1090 Wien,
Geometry and Analysis on Groups
Christopher Cashen (Univ. Wien):"Contracting geodesics in graphical small cancellation groups."
Organized by G. Arzhantseva, Ch. Cashen
http://www.mat.univie.ac.at/~gagt/abstracts/151027.html

Dienstag, 27. Okt. 2015, von 15:15 Uhr bis 16:45, TU-Wien, Dissertantenraum, Freihaus, Turm A, 8. Stk. Wiedner Hauptstr. 8-10, 1040 Wien
AG Diskrete Mathematik
Elie de Panafieu (LIAFA): "Enumeration of connected graphs using analytic combinatorics"
`http://dmg.tuwien.ac.at/nfn/agdm.html`
organized by M. Drmota

Mittwoch, 28. Okt. 2015, von 9:45 – 10:45 Uhr, SR 9, 2. OG., Oskar-Morgenstern-Platz 1, 1090 Wien
Seminar Optimierung
Bernd Hofmann (TU Chemnitz): "The Impact of Smoothness on Inverse Problems and Regularization: a Curse or a Blessing?"
Organized by R. Bot, H. Schichl
Details siehe Attachment)

Donnertag 29. Okt. 2015 von 10:00 Uhr bis Freitag 16:00 Uhr, Sky-Lounge (12. OG.) Oskar-Morgenstern-Platz 1, 1090 Wien
Symposium in Honor of Karl Sigmund
(Details siehe Attachment)

Donnerstag, 29. Oktober 2015, von 16.00 Uhr bis 18:00 Uhr, Josephinum, SR 8 (Zi. 02.101), Währinger Str. 25, 1090 Wien,
KGRC Research Seminar
Moritz Müller (KGRC): "Cobham recursive set functions and weak set theories"
http://www.logic.univie.ac.at/2015/Talk_10-29_a.html