



VORTRÄGE

Mittwoch, 20. April 2016 von 16:15 bis 17:00 Uhr, Sky Lounge, OMP 1

Mathematisches Kolloquium: Harald Grobner (Univ. Wien): "Generalizations of the ζ - function: Our proof of a version of the Deligne-conjecture"

Abstract:

It was in 1740 when Leonhard Euler published his seminal paper *De summis serierum reciprocarum*. In this work Euler was able to solve a century-old problem, namely to derive a precise formula for the values of the ζ -function at even positive integers $\zeta(2n)$: His formula expresses this number $\zeta(2n)$ as a rational multiple of the power π^{2n} . More than 200 years later, in 1979, Pierre Deligne launched a far-reaching conjecture concerning particular values of what one calls motivic L-functions: These motivic L-functions are a very broad and at the same time very conceptual generalization of the ζ -function above, whereas Deligne's conjectured formula for their particular values is a direct conjectural extension of Euler's classical result for $\zeta(2n)$. In this talk, after a tailored introduction to the problem, we will present the essence of our proof of a version of Deligne's conjecture for a large family of Lfunctions, hence presenting a generalization of Euler's classical formula for a broad class of L-values. (This is joint work with Michael Harris.)

im Anschluss vinum cum pane

Joachim Schwermer Hauser, Harald Rindler

**Montag, 18. April 2016, von 10.00 Uhr bis Freitag, 22. April 2016 bis 13.00 Uhr, ESI, Boltzmann
Lecutre Hall,**

Mini-Course I: Programme on "Mixing Flows and Averaging Methods"

org. by Peter Bálint (TU, Budapest), Henk Bruin (U Vienna), Carlangelo Liverani (U Rome, Tor Vergata),
Ian Melbourne (U Warwick), Dalia Terhesiu (U Vienna)
(siehe Anhang)

Dienstag, 19. April 2016 von 13.15 bis 14:45, Seminarraum 9, 2. OG, OMP 1

**Complex Analysis SE: Gian Maria Dall'Ara (Univ. Wien): "The uncertainty principle and the d-
bar problem (Part 2)"**

org. by B. Lamel, M. Reiter

<http://complex.univie.ac.at/events/detail-of-talk/news/the-uncertainty-principle-and-the-d-bar-partial-problem-part-2/>

Dienstag, 19. April 2016, von 15:00 bis 17:00 Uhr, SR 9, 2. OG., OMP 1

**Geometry and Analysis on Groups, Research SE: Wolfgang Moens (Univ. Wien): "Arithmetically-
free group-gradings of algebras with the permutation-contraction property."**

org. by G. Arzhantseva, Ch. Cashen

<http://www.mat.univie.ac.at/~gagt/abstracts/160419.html>

Dienstag, 19. April 2016, 15:00 Uhr bis 16:00 Uhr, 09.142, 9 OG., OMP 1

**AG Biomathematik: Stephan Peischl (Univ. Bern): "Range expansion and mutation load:
insights from theoretical population genetics, experimental evolution and human genomics"**

org. by R. Bürger, J. Hermisson

<http://homepage.univie.ac.at/Reinhard.Buerger/AGBio.html>



Dienstag, 19. April 2016, von 15:15 bis 16:45 Uhr, TU Dissertantenraum, Freihaus, Turm A, 8. Stock, Wiedner Hauptstraße 8-10, 1040 Wien

AG Diskrete Mathematik SE: Lander Ramos (Univ. Wien): "Counting triangles in series-parallel graphs"

org. by Ch. Krattenthaler

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

Mittwoch, 20. April 2016, ab 11.30 Uhr, Seminarraum 10, 2. OG, OMP 1,

NuHAG Seminar: Markus Faulhuber, Gero Fendler (Univ. Wien): "Gravitational Waves and Time-Frequency Analysis"

<http://www.univie.ac.at/nuhag-php/home/seminar.php>

Donnerstag, 21. April 2016, von 8.00 Uhr – 9:30 Uhr, HS 11, 2. OG, OMP 1,

Vortrag Forschungsseminar: Christian Wald (Humboldt Univ. Berlin): "Die p-adische Quantengruppe $GL_q(2, \mathbb{Z}_p)$ "

org. by J. Schwermer

Donnerstag, 21. April 2016, von 11:30 Uhr bis 13:00 Uhr, SR 7,2. OG., OMP 1

Vortrag: Mauro di Nasso (Univ. Pisa): "Combinatorics of numbers and nonstandard analysis"

org. by L. L. Baglini

Donnerstag, 21. April 2016, von 16.00 Uhr bis 18:00 Uhr, Josephinum, SR 8 (Zi. 02.101), Währinger Str. 25, 1090 Wien,

KGRC Research Seminar: Jerzy Kakol (Adam Mickiewicz Univ. Polen): "Selected topics for the weak topology of Banach spaces"

org. by Kurt Gödel Research Center

http://www.logic.univie.ac.at/2016/Talk_04-21_a.html

Freitag, 22. April 2016, 11 Uhr, SR 12, 2. OG., OMP 1

Öffentliche Defensio: Chiara De Zanet (Univ. Wien): "Generic one-step bracket generating distributions of rank four"

(siehe Anhang)

Freitag, 22. April 2016, von 11.30 Uhr bis 13.00 Uhr, SR 11, 2. Stock, OMP 1

GAP Seminar: Adriano Festa (RICAM Linz): "Some recent results about Hamilton Jacobi equations approximation in relation to Control theory and Games"

Org by M. Bauer, V. Branding (Fak. Math, TU), D. Fajman, J. Joudioux (Fak. Phys, UniVie), B. Schoerhuber (Fak. Math, UniVie)

(siehe Anhang)