

VORTRÄGE

Mittwoch, 10. Mai 2017 14:30 bis 15:30, Sky Lounge, OMP 1

Junior Kolloquium: Phillip Griffiths (IAS): "A Tale of Two Mathematicians It was the best of times... for mathematics"

Org: L. Katzarkov, Ch. Krattenthaler

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/10052017Griffiths_JK.pdf

Abstract:

This is the story of some of the mathematical work of two mathematicians, Jean Victor Poncelet and Niels Henrik Abel. They were contemporaries in the early 19th century who never met and who were not even aware of each other's work. However, between them Poncelet and Abel laid the cornerstones of the modern field of algebraic geometry, a field that is central to current work in geometry, arithmetic and theoretical physics. In this talk I will try to explain what each of them did, Poncelet in geometry and Abel in analysis, and how the fusion of their work revealed one of the deepest aspects of mathematics. This fusion is captured by an amazing property of playing billiards on a table formed by two ellipses.

15:45 Kaffeejause

Mittwoch, 10. Mai 2017 16:15 bis 17:15, Sky Lounge, OMP 1

Mathematisches Kolloquium: Phillip Griffiths (IAS): "Hodge theory and Moduli"

Org: L. Katzarkov, Ch. Krattenthaler

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/10052017Griffiths_JK.pdf

Abstract:

The equivalence classes of smooth algebraic varieties X of a particular type form its moduli space M , and their study is a central problem in algebraic geometry. When X is of general type M exists and has a canonical compactification \bar{M} as a projective algebraic variety. Aside from a few classical cases (curves, K3 surfaces, abelian varieties) very little is known about the boundary $\partial M = \bar{M} \setminus M$ and the singular varieties X_0 that corresponds to boundary points. In this talk we will explain how Hodge theory provides basic invariants of the X_0 's and in some early examples may be used to help understand geometrically the boundary structure of moduli.

Anschließend vinum cum pane

Montag, 08. Mai 2017 14:00 bis 15:00, BZ 3 Stk., OMP 1

Roberta Bianchini (IAC-Rom): "Convergence of a vector BGK approximation to the Navier-Stokes equations"

Org: U. Stefanelli

Dienstag, 09. Mai 2017 11:30 bis 13:00, SR. 8, 2. OG, OMP 1

Complex Analysis Group: Jan Gregorovic (Masarykova univerzita Brno): "On standard models of CR-submanifolds"

Org: M. Reiter, B. Lamel

<http://complex.univie.ac.at/events/detail-of-event/news/on-standard-models-of-cr-submanifolds/>

Dienstag, 09. Mai 2017 14:00 bis 15:00, ESI, Boltzmann Lecture Hall, Boltzmanngasse 9/2, 1090 Wien

ESI-SE: Carlos Simpson (Univ. de Nice): "Moduli spaces of stable bundles for intermediate values of c_2 "

Org: L. Katzarkov

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/Simpson.pdf

Dienstag, 09. Mai 2017 15:00 bis 16:00, BZ 09.142, 9.OG, OMP1

SE: AG Biomathematik: Julia Schindler (Univ. Wien): "The adaptive dynamics approach to analyzing phenotypic evolution"

Org: J. Hermisson, R. Bürger

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

Dienstag, 09. Mai 2017 15:15 bis 16:45, Dissertantenraum, Freihaus, Turm A, 8. OG., Wiedner Hauptstr. 8-10, 1040 Wien

AG Diskrete Mathematik: Christian Krattenthaler (Univ. Wien): "Positive non-crossing partitions for reflection groups"

Org: Ch. Krattenthaler

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

Dienstag, 09. Mai 2017 15:00 bis 17:00, SR 09, 2. OG., OMP 1

Geometry and Analysis on Groups Research SE: Alexandre Martin: "CAT(0) cube complexes and a survey of the work of Agol"

Org: G. Arzhantseva, Ch. Cashen and M. Finn-Sell

<http://www.mat.univie.ac.at/~gagt/170509.html>

Mittwoch, 10. Mai 2017 11:00 bis 12:00, BZ 1, 1. Stock, Zimmer 01.137, OMP 1

Lorenzo Nardini: "Dynamic fracture: existence, uniqueness, and quasistatic limit of dynamic evolutions for a peeling test in dimension one"

Org: U. Stefanelli

Donnerstag, 11. Mai 2017 14:00 bis 15:00, AG Gravitation, Währingerstr. 17, Raum 218, 2. OG

Literatur SE: Katharina Radermacher (Stockholm): "Strong Cosmic Censorship and the initial singularity in Bianchi spacetimes"

Org: P. T. Chrusciel

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/SeminareinladungG ravi_Radermacher_Mai2017.pdf

Donnerstag, 11. Mai 2017 15:15 bis 17:00, BZ 09.142, 9. OG, OMP1

AG Ergodentheorie: Lubomir Snoha (Banská Bystrica): "Possibilities for the set of all supremum topological sequence entropies on a space"

Org: H. Bruin, R. Zweimüller

http://mat.univie.ac.at/~zweimueller/AG_ETHY.html

Donnerstag, 11. Mai 2017 16:00 bis 17:00, SR 7, 2. OG., OMP 1

Domenico Fiorenza (Rom): "T-duality in rational homotopy theory"

Org: N. Carqueville

Donnerstag, 11. Mai 2017 16:30 bis 18:00, SR DC 07, Freihaus rot, 7. OG., TU Wien, Wiedner Hauptstr. 8, 1040 Wien

Vienna SE in Mathematical Finance and Probability: Ales Cerny (Cass Business School, UK): "Convex duality and Orlicz spaces in expected utility maximization"

<https://fam.tuwien.ac.at/events/vs-mfp/>

Freitag, 12. Mai 2017 11:00 bis 12:00, ESI, Boltzmann Lecture Hall, Boltzmanngasse 9/2, 1090 Wien

ESI-SE: Phillip Griffiths (Inst. for Adv. Std., Princeton and Univ. of Miami): "TBA"

Org: L. Katzarkov

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/griffiths.pdf

Freitag, 12. Mai 2017 14:30 bis 15:30, SR 12, 2. OG, OMP 1

Carlos Simpson (Univ. of Nice): "Betti Hitchin fibration"

Org: L. Katzarkov