

VORTRÄGE

Mittwoch, 27. Juni 2018 11:30 bis 12:30, Sky Lounge, 12. OG, OMP 1

Mathematisches Kolloquium: Tommaso de Fernex (University of Utah): "A simplicity criterion for normal isolated singularities"

Org: H. Hauser, C. Krattenthaler

Let X be a complex variety defined in C^n by the vanishing of one (or more) holomorphic functions $f(z_1, \dots, z_n) = 0$, and let P be a point of X . Assume that X is smooth (i.e., a manifold) in a punctured neighborhood of P ; X is however allowed to be singular at P , so that this point is an isolated singularity of X . The intersection of X with the boundary of a small ball in C^n centered at P is a real hypersurface in X and is called the link of P . It is natural to ask how much information the link carries about the singularity; for instance, the link of a smooth point is a sphere, and one can ask whether the converse is true. Work of Mumford and Brieskorn has shown that this is the case for normal surface singularities but not in higher dimensions. Recently, McLean asked whether more structure on the link may provide a way to characterize smooth points. In this talk, I will give a general introduction to this circle of questions and discuss how CR geometry can be used to distinguish smooth points from their links. The proof relies on a partial solution to the complex Plateau problem, which is a complex analytic analogue of the classical Plateau problem of Lagrange.

Montag, 25. Juni 2018 09:00 bis Freitag, 29. Juni 2018 12:45, ESI, Boltzmann Lecture Hall,

Boltzmannngasse 9/2, 1090 Wien

Workshop 2 on Interplay of multiscale data assimilation and data science with advanced PDE discretizations: "Numerical Analysis of Complex PDE Models in the Sciences"

Org: T. Hou (Caltech), J. M. Melenk (TU Wien)

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/PSH_Workshop2.pdf

Montag, 25. Juni 2018 14:00 bis 15:00, AG Gravitation, Währingerstr. 17, Raum 218, 2. OG

Literatur SE: Carla Cederbaum (Univ. Tübingen, D): "On extensions of CMC-Bartnik data"

Org: P. Chrusciel, D. Fajman

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/SeminareinladungGRAVI_Cederbaum_25Juni2018.pdf

Dienstag, 26. Juni 2018 09:45 bis 11:15, SR 12, 2. OG, OMP 1

Complex Analysis SE: Beatrice Andreolli (Univ. Wien): "Hadamard's inequality and tests for positive definiteness"

Org: M. Reiter, B. Lamel

http://complex.univie.ac.at/events/detail-of-event/news/hadamards-inequality-and-tests-for-positive-definiteness/?tx_news_pi1%5Bcontroller%5D=News&tx_news_pi1%5Baction%5D=detail&cHash=f9d4ff3a7a1c1f423bf9f1c44a08b877

Dienstag, 26. Juni 2018 12:30 bis 13:30, SR 09, 2. OG, OMP 1

Junior Kolloquium: Tommaso de Fernex (University of Utah): "The link of a singularity"

Org: H. Hauser, C. Krattenthaler

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/20180626Tommaso_de_FernexJK.pdf

Dienstag, 26. Juni 2018 13:00 bis 14:00, AG Gravitation, Währingerstr. 17, Common room, 1 OG.

Lunch SE: David Edward Bruschi (Univ. Wien): "On the weight of entanglement: the role of quantum correlations in physics at the overlap of relativity and quantum science"

Org: P. T. Chrusciel

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/Lunchseminar_Bruschi_26JUNI2018.pdf

Dienstag, 26. Juni 2018 13:45 bis 14:45, TU Wien, Freihaus, SEM 136, 10. Stk., Wiedner Hauptstr. 8-10, 1040 Wien

SE Mathematische Physik: Thorsten Schimannek (Univ. Bonn): "Fourfolds, integral Fluxes and Modularity"

Org: S. Fredenhagen, D. Grumiller, J. Knapp

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/Seminareinladung_Mathem_Schimannek_26Juni2018.pdf

Dienstag, 26. Juni 2018 15:00 bis 17:00, BZ 9, 9.OG, OMP1

AG Biomathematik: Isabel Gomes Gerber (Univ. Wien): "Examples of discrete population models"

Org: J. Hermisson, R. Bürger

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

Dienstag, 26. Juni 2018 15:00 bis 15:45, HS 11, 2. OG, OMP 1

PDE-Afternoon: Fritz Gesztesy (Baylor Univ. USA): "Trace formulas and ζ -functions for differential operators - or, a spectral theorist computes π "

Org: SFB und DK

<https://www.univie.ac.at/sfb65/public/events/details/?type=1&id=132>

Dienstag, 26. Juni 2018 16:00 bis 16:30, HS 11, 2. OG, OMP 1

PDE-Afternoon: Julia Delacour (INRIA (France) and Univ. Wien): "Study of a model for p62-Ubiquitin aggregates involved in cellular autophagy"

Org: SFB und DK

<https://www.univie.ac.at/sfb65/public/events/details/?type=1&id=133>

Dienstag, 26. Juni 2018 16:15 bis 17:15, Fakultät für Physik, Erwin Schrödinger-Hörsaal, Boltzmannng. 5, 5. St., 1090 Wien

Teilchenphysik SE: Pier Monni (CERN): "A numerical formulation of resummation in effective field theory"

Org: A. Hoang, M. Procura

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/Seminare/nladungTeilchen_Monni_26Juni2018.pdf

Dienstag, 26. Juni 2018 16:30 bis 17:00, HS 11, 2. OG, OMP 1

PDE-Afternoon: Beatrice Signorello (TU Wien): "TBA"

Org: SFB und DK

Mittwoch, 27. Juni 2018 13:15 bis 14:15, SR 6, 1. OG., OMP 1

Analysis SE: Cornelia Vizman (West Univ. of Timisoara): "Transgression of differential characters to spaces of functions/submanifolds"

Org: A. Kreigl, P. Michor, A. Rainer

Mittwoch, 27. Juni 2018 15:15 bis 17:00, BZ 9, 9.OG, OMP1

AG Ergodentheorie: Gabriella Keszthelyi (Univ. Budapest): "Dynamical properties of biparametric skew tent maps"

Org: H. Bruin, R. Zweimüller

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

Donnerstag, 28. Juni 2018 16:30 bis 18:00, Seminarraum DC Roter Bereich, 7. OG, TU Wien, Freihaus, Wiedner Hauptstraße. 8, 1040 Wien

Vienna SE in Mathematical Finance and Probability: Archil Gulisashvili (Ohio Univ. US): "Volterra type fractional stochastic volatility models. Small-noise and small-time asymptotic formulas for the implied volatility"

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

Freitag, 29. Juni 2018 15:00 bis 16:00, ESI, Boltzmann Lecture Hall, Boltzmannngasse 9/2, 1090 Wien

Joint Analysis, Relativity and Geometry SE: Andras Vasy (Univ. Stanford): "Global analysis for linear and nonlinear waves and the stability of Kerr-de Sitter space"

Org: A. Cap, P. T. Chrusciel, R. Doninger, M. Eichmair, M. Kunzinger

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/JointAnalysisRelativityGeometrySeminar_VASY_ESI-29Juni2018.pdf

Freitag, 29. Juni 2018 16:00 bis 18:00, KGRC, lecture room, Währinger Str. 25, 1090 Wien

KGRC SE: Christopher Menzel (Texas A&M Univ. USA): "This talk will not be rescheduled as announced previously"

Org: KGRC

http://www.logic.univie.ac.at/2018/Talk_06-28_a.html