

VORTRÄGE

15:45 Uhr: Kaffeejause

Mittwoch, 15. November 2017 16:15 bis 17:15, Sky Lounge, 12. OG, OMP 1

Mathematisches Kolloquium: Todd Quinto (Tufts University): "Artifacts in arbitrary limited data tomography problems"

Org: Otmar Scherzer, C. Krattenthaler

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/20171115ToddQuinto.pdf

Abstract: In this talk, we will describe work of the speaker along with Leise Borg, Jürgen Frikel, and Jakob Jørgensen characterizing how artifacts appear in limited data X-ray tomography with arbitrary data sets both when the boundary of the data set is smooth and when it is not smooth. We also provide estimates of the strength of the added artifacts in some cases, and we illustrate our results using standard and non-standard limited data tomography problems with real and simulated data. We put our results in a general mathematical framework that can be used on a range of limited data problems in which the forward and reconstruction operators are Fourier integral operators. We outline the proof, which is based on microlocal analysis. This work is motivated by an unusual synchrotron CT data set that we will show that has artifacts not seen in standard limited data problems. Dieser Vortrag ist für alle mit einem allgemeinen mathematischen Hintergrund.

Vinum cum pane im Anschluss

Montag, 13. November 2017 09:30 bis Freitag, 17. November 2017 12:00, ESI, Boltzmann Lecture Hall, Boltzmannngasse 9/2, 1090 Wien

ESI Programm: Workshop 2 on Computer Algebra in Combinatorics: "Algorithmic and Enumerative Combinatorics"

Org: M. Bousquet-Mélou (CNRS, U de Bordeaux), M. Drmota (TU Wien), C. Krattenthaler (U Wien), P. Paule (U Linz), M. Singer (North Carolina State U, Raleigh)

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/KSB2.pdf

Montag, 13. November 2017 13:15 bis 16:30, SR 5, 1 OG., OMP 1

Python Workshop: VDS Programming Course

Org: Vienna Doctoral School of Mathematics

<https://vd.univie.ac.at/vienna-doctoral-schools/mathematics/activities/events/>

Dienstag, 14. November 2017 15:00 bis 16:00, BZ 9, 9.OG, OMP1

SE AG Biomathematik: Peter Bednarik (WU Wien): "Competition promotes helping behavior through indirect reciprocity"

Org: J. Hermisson, R. Bürger

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

Dienstag, 14. November 2017 15:00 bis 15:45, HS 2, 2. OG., OMP 1

PDE Afternoon: Silvia Bertoluzza (CNR-IMATI Pavia, Italy): "Fictitious domain and high order discretization: the Fat Boundary Method"

Org: SFB, DK

<https://www.univie.ac.at/sfb65/public/events/details/?type=1&id=17>

Dienstag, 14. November 2017 15:15 bis 17:00, SR 09, 2. OG, OMP 1

Geometry and Analysis on Groups Research SE: Arindam Biswas (Univ. Wien): "On the diameter problem for finite simple groups"

Org: G. Arzhantseva, Ch. Cashen

<http://www.mat.univie.ac.at/~gagt/abstracts/171114.html>

Dienstag, 14. November 2017 16:00 bis 17:30, SR 08, 2. OG, OMP 1

Complex Analysis SE: Gustavo Hoepfner (Univ. Federal de Sao Carlos, Brasil): "Applications of Mizohata type vector fields to solutions of first order nonlinear PDE's"

Org.: B. Lamel, M. Reiter

<http://complex.univie.ac.at/events/detail-of-event/news/applications-of-mizohata-type-vector-fields-to-solutions-of-first-order-nonlinear-pdes/>

Dienstag, 14. November 2017 16:00 bis 16:30, WPI Seminarraum 08.135, OMP 1

PDE Afternoon: Paul Stocker (Univ. Wien): "Tent pitching and a Trefftz discontinuous Galerkin method for the acoustic wave equation"

Org: SFB, DK

<https://www.univie.ac.at/sfb65/public/events/details/?type=1&id=18>

Dienstag, 14. November 2017 16:30 bis 17:00, WPI Seminarraum 08.135, OMP 1

PDE Afternoon: Laura Kanzler (University of Vienna): "A Kinetic Model for Myxobacteria"

Org: SBF, DK

<https://www.univie.ac.at/sfb65/public/events/details/?type=1&id=36>

Mittwoch, 15. November 2017 11:30 bis 13:00, HS 11, 2. OG, OMP 1

NuHAG SE: Andreas Klotz (Univ. Wien): "Heat kernels, frames and sampling on metric measure spaces"

Org: KH. Gröchenig

http://www.univie.ac.at/nuhag-php/program/talks_details.php?id=3393

Mittwoch, 15. November 2017 15:00 bis 15:45, Sky Lounge, 12. OG, OMP 1

PhD Colloquium: Franz Berger (Univ. Wien): "The d-bar-Neumann problem in several complex variables"

Org: Vienna Doctoral School of Mathematics

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/PhD-colloquium-15-11-2017.pdf

Donnerstag, 16. November 2017 13:45 bis 15:15, SR 10, 2. OG., OMP 1

Sergio Carillo (Univ. Wien): "A link between Denjoy-Carleman classes on sectors in a monomial asymptotic expansions"

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

Donnerstag, 16. November 2017 15:15 bis 17:00, BZ 9, 9. OG, OMP1

AG Ergodentheorie: Henna Koivusalo (Univ. Wien): "Dimension of self-affine sets for fixed translation vectors"

Org: H. Bruin, R. Zweimüller

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

Donnerstag, 16. November 2017 16:00 bis Freitag, 17. November 2017 18:00, KGRC, Währingerstr. 25, 2 OG, Room 101

KGRC SE: Paul Ellis (Manhattanville College, New York): "Cycle Reversions and Dichromatic Number in (Infinite) Tournaments"

Org: KGRC

http://www.logic.univie.ac.at/2017/Talk_11-16_a.html

Freitag, 17. November 2017 15:00 bis 18:15, SR 3, 1 OG., OMP 1

Python Workshop: VDS Programming Course

Org: Vienna Doctoral School of Mathematics

<https://vd.univie.ac.at/vienna-doctoral-schools/mathematics/activities/events/>