

Vorträge

15:45 Uhr: Kaffeejause

Mittwoch, 08. November 2017 16:15 bis 17:15, HS 16, 2. OG, OMP 1 Note the venue!

Mathematisches Kolloquium: D. Russell Luke (Universität Göttingen): "Quantifying convergence of Picard iterations"

Org: R. Bot, C. Krattenthaler

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/20171108_LukeRussell.pdf

Abstract: It can be observed in many applications that algorithms converge unexpectedly well, despite any theory to explain their success. An analysis of algorithm complexity in terms of function values is wide-spread and can be applied readily in many practical instances. However, this strategy of analysis cannot explain the observed convergence to stationary points of iterates in many cases, nor can it yield error estimates on the distance to locally optimal solutions as opposed to locally optimal values. We propose a framework for quantifiable local convergence analysis of iterations of expansive fixed point mappings. Application of the theory involves verifying two key properties of fixed point mappings near fixed points: almost nonexpansiveness (usually easy) and the existence of an error bound (usually hard). To demonstrate the theory, we prove for the first time a number of results showing local linear convergence of cyclic projections for (possibly) inconsistent feasibility problems, local linear convergence of the forward-backward algorithm for structured optimization without convexity, strong or otherwise, and local linear convergence of a nonconvex application of the Douglas–Rachford algorithm for minimization. Known results, convex and nonconvex, are recovered in this framework. Concrete application to inverse problems in x-ray imaging and sub-diffraction fluorescence microscopy are presented.

Vinum cum pane im Anschluss

Montag, 06. November 2017 11:15 bis Donnerstag, 09. November 2017 12:15, ESI, Boltzmann Lecture Hall, Boltzmannngasse 9/2, 1090 Wien

ESI Lecture Series: David Jordan (U Edinburgh): "Quantum character varieties in topology and representation theory"

Org: N. Carqueville

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

Dienstag, 07. November 2017 10:00 bis 11:30, BZ 2, 2. OG., OMP 1

SE AG Algebraische Geometrie: Giancarlo Castellano (Univ. Wien): "A number Theorist's Guide to the Riemann-Roch Theorem"

Org: H. Hauser

Dienstag, 07. November 2017 14:00 bis 15:00, TU Wien, Freihaus, SEM 136, 10. Stk. Wiedner Hauptstr. 8-10, 1040 Wien
SE Mathematische Physik: Harold Steinacker (Univ. Wien): "Quantized cosmological space-times from Yang-Mills matrix models"

Org: S. Fredenhagen, D. Grunmiller

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/Seminareinladung_Mathematik_Steinacker_07November2017.pdf

Dienstag, 07. November 2017 15:00 bis 15:45, TU Wien, Wiedner Hauotstr. 8, SR DA grün 03B

PDE Afternoon: Helge Dietert (Univ. Paris Diderot, France): "Landau damping in the Kuramoto model to inhomogeneous states"

Org: DK, SFB

<http://www.univie.ac.at/sfb65/public/events/?id=4>

Dienstag, 07. November 2017 15:00 bis 16:00, BZ 9, 9.OG, OMP1

SE AG Biomathematik: György Barabás (Univ. Chicago): "Self-regulation and the stability of large ecological networks"

Org: J. Hermisson, R. Bürger

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

Dienstag, 07. November 2017 15:15 bis 17:00, SR 10, 2. OG., OMP 1

Geometry and Analysis on Groups Research SE: Dawid Kielak (Univ. Bielefeld): "The smallest quotients of Out (Fn) and mapping class groups"

Org: G. Arzhantseva, Ch. Cashen

<http://www.mat.univie.ac.at/~gagt/abstracts/171107.html>

Dienstag, 07. November 2017 16:00 bis 16:45, TU Wien, Wiedner Hauptsr.8, SR DA Grün 03B

PDE Afternoon: Michele Ruggeri (TU Wien): "Tangent plane integrators for the simulation of chiral magnetic skyrmion dynamics"

Org: DK, SFB

<http://www.univie.ac.at/sfb65/public/events/?id=4>

Dienstag, 07. November 2017 16:15 bis 17:15, Fakultät für Physik, Erwin Schrödinger-Hörsaal, Boltzmannng. 5, 5. St., 1090 Wien

Teilchenphysik SE: "Small-x Resummation form Effective Field Theory"

Org: A. Hoang, H. Neufeld

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/SeminareinladungTeilchenphysik_Pathak_Nov2017.pdf

Mittwoch, 08. November 2017 11:30 bis 13:00, SR 16, 2. OG., OMP 1

Ugur Dogan (Univ. Wien): "Over-convergent Frechet algebras in rigid analysis"

Mittwoch, 08. November 2017 11:30 bis 13:00, HS 11, 2. OG, OMP 1

NuHAG SE: Maurice De Gosson (Univ. Wien): "The Pancharatnam-Sjoeqvist Phase Shift for Metaplectic Isotopies Acting on Gaussians"

Org: KH. Gröchenig

http://www.univie.ac.at/nuhag-php/program/talks_details.php?id=3391

Mittwoch, 08. November 2017 11:30 bis 16:30, SR 4, 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/>

Donnerstag, 09. November 2017 13:30 bis 14:30, AG Gravitation, Währingerstr. 17, Raum 218, 2. OG

Literatur SE: Caslav Brukner (Univ. Wien): "Bell's theorem for temporal order"

Org: P. T. Chrusciel

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/SeminareinladungGravi_Brukner_9November2017.pdf

Donnerstag, 09. November 2017 15:15 bis 17:00, BZ 9, 9.OG, OMP1

AG Ergodentheorie: Giorgio Cipolloni (IST Austria): "Deterministic walks"

Org: H. Bruin, R. Zweimüller

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

Donnerstag, 09. November 2017 16:00 bis 18:00, KGRC, lecture room, Währinger Str. 25, 1090 Wien

KGRC Seminar: Zoltán Vidnyánsky (KGRC): "Random elemets of large groups"

Org: KGRC

http://www.logic.univie.ac.at/2017/Talk_11-09_a.html

Donnerstag, 09. November 2017 16:30 bis 18:00, SR 11, 2. OG., OMP 1

Walter Schachermayer (Uni. Wien): "The amazing power of dimensional analysis: Quantifying market impact"

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

Freitag, 10. November 2017 11:00 bis 12:00, BZ 2, 2. OG., OMP 1

Vorbesprechung zur Vortragsreihe: Hiraku Kawanoue (RIMS, Kyoto Univ.): "Hyperplane Arrangements"

Org: H. Hauser

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

Freitag, 10. November 2017 15:00 bis 18:15, SR 6, 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/>

Freitag, 10. November 2017 13:00 bis 14:00, AG, Gravitation, Währingerstr. 17, Common Room, 1 OG.

Lunchseminar: Hans Bantilan (Queen Mary Univ. of London): "Numerical Simulations of Asymptotically AdS Spacetimes"

Org: P. T. Chrusciel

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/Lunchseminar_Bantilan_November2017.doc