

VORTRÄGE KW45

Mittwoch, 10. November 2021 15:45 bis 17:15

15:45 Uhr: Kaffeejause

SKY LOUNGE, 12. OG, OMP 1

"How to untangle plane curves – How contact topology proves classical theorems"

Vera Vértesi (Universität Wien)

Antrittsvorlesung

***Abstract:** The Whitney-Graustein Theorem states that two plane curves can be smoothly deformed into each other if and only if they have the same winding number. The original proof of Whitney from 1937 is one of the first occurrences of Gromov's h-principle, and it is semi-algorithmic. In this talk, after setting up the scene, I will give an algorithmic proof for this theorem that uses contact topology. The talk gives a gentle introduction into the field of contact topology with an emphasis on Legendrian knots, and it should be accessible even for students.*

Kleines Buffet im Anschluss

Org: Fakultät für Mathematik, Dekan Radu Ioan Boț

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2021_22/Einladung_Antrittsvorlesung_Vertesi.pdf

<https://mathematik.univie.ac.at/eventsnews/mathematisches-kolloquium/>

Montag, 08. November 2021 13:15 bis 14:00

SR3, OMP1 SOWIE ONLINE VIA ZOOM

"Learning Beam Search: Utilizing Machine Learning to Guide Beam Search for Solving Combinatorial Optimization Problems"

Marc Huber (TU Wien)

VGSCO Seminar

Org: Vienna Graduate School on Computational Optimization

<https://vgSCO.univie.ac.at/activities/colloquia/>

Montag, 08. November 2021 13:30 bis 15:00

BZ 9, 9. OG, OMP1

"A binary operation for $B(\infty)$ "

Erez Lapid (Weizmann Institute of Science & U Jerusalem)

Seminar "Representation Theory and Automorphic Forms"

Org: H. Grobner, A. Minguez-Espallargas, A. Mellit

Montag, 08. November 2021 14:00 bis 14:45

SR3, OMP1 SOWIE ONLINE VIA ZOOM

"The role of nonsmoothness in convex-concave minimax problems"

Michael Sedlmayer (U Wien)

VGSCO Seminar

Org: Vienna Graduate School on Computational Optimization

<https://vgSCO.univie.ac.at/activities/colloquia/>

Montag, 08. November 2021 15:30 bis 16:30

ZOOM MEETING

"Resolvent Splitting with Minimal Lifting"

Matthew Tam (The University of Melbourne)

One World Optimization Seminar

Org: R. I. Boț (U Wien), S. Sabach (Technion - Israel Institute of Technology Haifa), M. Staudigl (Maastricht U)

https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2021_22/abstract_Tam_OWOS.pdf

<https://owos.univie.ac.at/>

Dienstag, 09. November 2021 13:15 bis 14:45

HS 10, 2. OG, OMP 1

"Number of irreducible representations in the automorphic cuspidal spectrum"

Hongjie Yu (IST)

SE Representation Theory and Automorphic Forms

Org: H. Grobner, A. Minguez-Espallargas, A. Mellit

Dienstag, 09. November 2021 14:00 bis 15:00

ZOOM MEETING

"Relativistic kinetic theory with applications in astrophysics"

Paola Rioseco (University of Chile)

Joint Theory Seminar

Org: E. Battista

<https://www.univie.ac.at/jointtheoryseminar/>

Dienstag, 09. November 2021 15:00 bis 17:00

ZOOM

"Property A and duality in linear programming"

Greg Bell (UNC Greensboro)

Geometry and Analysis on Groups Research Seminar

Org: G. Arzhantseva, Ch. Cashen, Y. Lodha

<https://univie.zoom.us/j/97810758446>

<https://mathematik.univie.ac.at/forschung/seminare/geometry-and-analysis-on-groups-seminar/>

Dienstag, 09. November 2021 15:00 bis 16:30

HS 8, 1. OG, OMP 1

"The Special Tree Number"

C. Switzer (U Wien)

KGRC SE

Org: KGRC

Dienstag, 09. November 2021 16:00 bis 17:30

ZEICHENSAAL 3, FREIHAUS, TURM A, 7. STOCK, WIEDNER HAUPTSTR. 8-10, 1040 WIEN

"Primes in subsets and exponential sums"

Andrei Shubin (TU Wien)

Vortrag

Org: AG Diskrete Mathematik

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

Dienstag, 09. November 2021 16:15 bis 17:15

ZOOM MEETING

"Collinear factorisation for $e^+ e^-$ collisions"

Stefano Frixione (INFN, Genoa)

Vortrag

Org: Teilchenphysik

Mittwoch, 10. November 2021 10:45 bis 12:15

SR 12

"Spectral deviation of concentration operators for the short-time Fourier transform"

Felipe Marceca (University of Vienna)

Vortrag

Org: K. Gröchenig, J. L. Romero, M. Ehler

https://mathematik.univie.ac.at/en/eventsnews/full-news-display/news/spectral-deviation-of-concentration-operators-for-the-short-time-fourier-transform/?no_cache=1&tx_news_pi1%5Bcontroller%5D=News&tx_news_pi1%5Baction%5D=detail&cHash=cb4a55d14aad5139b9a614

Mittwoch, 10. November 2021 14:00 bis 14:45

ZOOM MEETING

"A-posteriori-steered and adaptive p-robust multigrid solvers"

Ani Miraçi (TU Wien)

PDE Afternoon

Org: SFB 65, DK

<https://www.univie.ac.at/sfb65/#!/public/events/details?type=1&id=610>

Mittwoch, 10. November 2021 15:00 bis 15:30

ZOOM MEETING

"Model Order Reduction Strategies for Fractional Diffusion Problems"

Tobias Danczul (TU Wien)

PDE Afternoon

Org: SFB 65, DK

<https://www.univie.ac.at/sfb65/#!/public/events/details?type=1&id=611>

Mittwoch, 10. November 2021 15:30 bis 16:00

ZOOM MEETING

"Learning from NVIDIA: Fast (but sloppy) solution of differential equations with inequality constraints using position-based dynamics"

Steffen Plunder (University of Vienna)

PDE Afternoon

Org: SFB 65, DK

<https://www.univie.ac.at/sfb65/#!/public/events/details?type=1&id=612>

Donnerstag, 11. November 2021 10:45 bis 12:00

ZOOM-SEMINAR

"On typical properties of Lebesgue measure preserving maps in dimension one"

Piotr Oprocha (AGH Krakow)

Arbeitsgemeinschaft Ergodentheorie

Org: H. Bruin, R. Zweimüller

Donnerstag, 11. November 2021 14:00 bis 15:00

AR GRAVITATION, WÄHRINGERSTR. 17, SR A, 2. STK.

"Asymptotic characterization of Kerr-de Sitter and related spacetimes in all dimension"

Carlos Peón-Nieto (Salamanca)

Vortrag

Org: Gravitationsphysik

<https://gravity.univie.ac.at/research-seminars-publications/>