

## VORTRÄGE

15:45 Kaffeejause

**Mittwoch, 06. November 2019 16:15 bis 19:00**, Sky Lounge, 12. OG, OMP 1

**Mathematisches Kolloquium: Stanislav Hencl (Charles University Prague): "Diffeomorphic approximation of  $W^{1,1}$  planar Sobolev homeomorphisms"**

Org: R. Donninger, Ch. Krattenthaler, U. Stefanelli

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2018\\_19/Einladung\\_S\\_Hencl.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/Einladung_S_Hencl.pdf)

**Abstract:**

*Let  $f$  be a homomorphism from a planar domain  $U$  into  $\mathbb{R}^2$  that belongs to the Sobolev space  $W^{1,1}(U, \mathbb{R}^2)$ . We show that there exists a sequence of smooth diffeomorphisms  $f_k$  converging to  $f$  in the norm of Sobolev space and uniformly. This is a joint result with A. Pratelli.*

**Im Anschluss: vinum cum pane**

**Montag, 04. November 2019 09:30 bis 10:15**, SR 05, OG 2., OMP 1

**Habilitationsvortrag: Elisa Davoli (Universität Wien): "Homogenization in BV of a model for layered composites in finite crystal plasticity"**

Org: H. Bruin, Ch. Krattenthaler

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2018\\_19/Einladung\\_Habilitationsvortrag\\_Davoli.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/Einladung_Habilitationsvortrag_Davoli.pdf)

**Montag, 04. November 2019 15:30 bis 17:00**, ESI, Schrödinger Lecture Hall, Boltzmannngasse 9/2, 1090 Wien

**MCMP Seminar: Mateusz Piorkowski (U Vienna): "Lax pairs and nonlinear Fourier transforms"**

Org: R. Donninger und D. M. Fajman

**Dienstag, 05. November 2019 10:00 bis 11:00**, BZ 9, 9. OG, OMP1

**SE Tomography: William Rundell (Texas A&M University): "Recovering the Elliptic Operator in a Reaction-diffusion equation"**

Org: O. Scherzer

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2018\\_19/abstract.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/abstract.pdf)

**Dienstag, 05. November 2019 13:15 bis 14:45**, SR 8, 2. OG, OMP 1

**Representation Theory and Automorphic Forms: Peiyi Cui (University of Vienna): "Modular l representations of  $SL_n(\mathbb{F})$ "**

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

**Dienstag, 05. November 2019 13:45 bis 14:30**, TU Wien - Wiedner Hauptstraße 8 - Red Area, 7th floor, SR (DC 07 A15)

**SE Mathematische Physik (Joint TU/UV Theory): Stefan Prohazka (ULB, Belgien): "Maximally symmetric spacetimes reconsidered"**

Org: S. Fredenhagen, D. Grumiller, C. Zwickel, T. Schimannek

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2018\\_19/JointTheorySeminar\\_Prohazka\\_Nov2019.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/JointTheorySeminar_Prohazka_Nov2019.pdf)

**Dienstag, 05. November 2019 15:00 bis 17:00**, SR 7, 2. OG., OMP 1

**Geometry and Analysis on Groups Seminar: Ashot Minasyan (Southampton): "Virtual retraction properties in groups"**

Org: G. Arzhantseva, Ch. Cashen

[https://mathematik.univie.ac.at/forschung/seminare/geometry-and-analysis-on-groups-seminar/?no\\_cache=1](https://mathematik.univie.ac.at/forschung/seminare/geometry-and-analysis-on-groups-seminar/?no_cache=1)

**Dienstag, 05. November 2019 15:15 bis 16:45**, TU Wien, Dissertantenraum, Freihaus, Turm A, 8. OG., Wiedner Hauptstr. 8-10, 1040 Wien

**AG Diskrete Mathematik: Michael Schlosser (Univ. Wien): "A weight-dependent inversion statistic and Catalan numbers"**

Org: M. Drmota

**Dienstag, 05. November 2019 16:15 bis 17:00**, Fakultät für Physik, Erwin Schrödinger-Hörsaal, Boltzmanng. 5, 5. St., 1090 Wien

**SE Teilchenphysik: Xiaoyong Chu (HEPHY, Wien): "Variants and parametrization of self-interacting dark matter"**

Org: A. Hoang, S. Plätzer

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2018\\_19/SeminareinladungTeilchenphysik\\_Chu\\_05NOV2019.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/SeminareinladungTeilchenphysik_Chu_05NOV2019.pdf)

**Mittwoch, 06. November 2019 14:00 bis 14:45**, HS 11, 2. OG, OMP 1

**PDE Afternoon: Alexander Rieder (University of Vienna): "\$hp\$-FEM for time dependent problems involving fractional operators"**

Org: SFB 65, DK

<https://www.univie.ac.at/sfb65/#!/public/events/details/?type=1&id=430>

**Mittwoch, 06. November 2019 15:00 bis 15:30**, HS 11, 2. OG, OMP 1

**PDE Afternoon: Lukas Kogler (TU Wien): "Coarsening Strategies For the Smoothed Aggregation Algebraic Multigrid Method"**

Org: SFB 65, DK

<https://www.univie.ac.at/sfb65/#!/public/events/details/?type=1&id=431>

**Mittwoch, 06. November 2019 15:30 bis 16:00**, HS 11, 2. OG, OMP 1

**PDE Afternoon: Mateusz Piorkowski (University of Vienna): "Singular Riemann–Hilbert problems in applications"**

Org: SFB 65, DK

<https://www.univie.ac.at/sfb65/#!/public/events/details/?type=1&id=432>

**Donnerstag, 07. November 2019 14:00 bis 14:45**, AG Gravitation, Währingerstr. 17, Raum 218, 2. OG

**Literaturseminar: Dietrich Haefner (Grenoble, FR): "Linear stability of slowly rotating Kerr spacetimes"**

Org: P. T. Chruściel, D. Fajman

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2018\\_19/Seminareinladung\\_GRAVI\\_Haefner\\_7NOV2019.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/Seminareinladung_GRAVI_Haefner_7NOV2019.pdf)

**Donnerstag, 07. November 2019 16:00 bis 18:00**, KGRC, Augasse 2-6, Ebene 5

**SE KGRC: Jana Marikova (Western Illinois University, Macomb, USA): "TBA"**

Org: KGRC

[http://www.logic.univie.ac.at/2019/Talk\\_11-07\\_a.html](http://www.logic.univie.ac.at/2019/Talk_11-07_a.html)

**Freitag, 08. November 2019 11:15 - 12:15**, SR 09, 2. OG, OMP 1

**Seminar on Geometry and Mathematical Physics: Arkadij Bojko (Oxford University): "Orientation on moduli spaces of sheaves on a non-compact Calabi–Yau 4-fold"**

Org: G. Dimitrov und A. Mellit

**Freitag, 08. November 2019 15:30 - 18:00**, ESI, Schrödinger Lecture Hall, Boltzmanngasse 9/2, 1090 Wien

**Presentations and Paneldiscussion: "VDS MEETS SPORTS"**

Org: Vienna School of Mathematics and Vienna Doctoral School Physics

<https://www.vsmath.at/academics/other-events/>