VORTRÄGE

15:45 Kaffeejause

Mittwoch, 29. Mai 2019 16:15 bis 19:00, Sky Lounge, 12. OG, OMP 1
Mathematisches Kolloquium: Samuel Walsh (Univ. Missouri): **"Water waves with localized vorticity "**
Org: Christian Krattenthaler
https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/Einladung_Samuel_Walsh.pdf

Abstract:
For a mathematician, a water wave can be defined as a solution to the free boundary incompressible Euler equations. The vorticity is then the curl of the velocity field. Over the past decade, there has been a great deal of research into the existence and qualitative properties of traveling water waves with non-trivial vorticity. One of the most interesting sub-species of rotational waves are those for which the vorticity is localized in space. Imagine, for example, a large eddy in the interior of the fluid, or a wake of vortices created by a submerged body.

The intention of this talk is to offer a fairly broad introduction to these waves, with an emphasis on recent advances and areas of current research. In particular, we will discuss: the existence and stability/instability of traveling waves with a point vortex or dipole; stationary waves with an exponentially localized vortex „spike"; and time-periodic rotating vortex patches. Mathematically, this body of work draws on ideas ranging from singularly perturbed elliptic PDE theory, nonlinear dispersive equations, infinite-dimensional Hamiltonian systems, and Riemann-Hilbert theory.

Im Anschluss: vinum cum pane

Montag, 27. Mai 2019 14:30 bis 16:30, ESI, Boltzmann Lecture Hall, Boltzmanngasse 9/2,1090 Wien
Talks of thematic programme: "Optimal Transport"
Org: M. Beiglböck (U Vienna), A. Figalli (ETH Zürich), J. Maas (IST Austria), R. McCann (U Toronto), J. Solomon (MIT, Cambridge)
https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/MSF_Week7.pdf

Montag, 27. Mai 2019 15:30 bis 17:00, ESI, Schrödinger Lecture Hall, Boltzmanngasse 9/2, 1090 Wien
MCMP Seminar: Miles Wheeler (University of Vienna): **"Local and global bifurcation in fluid mechanics"**
Org: R. Donninger und D. M. Fajman

Dienstag, 28. Mai 2019 11:30 bis 13:00, SR 9, second floor, Oskar-Morgenstern-Platz 1, 1090 Vienna
Complex Analysis Seminar: Svjetlana Terzic (University of Montenegro): **"Geometry and topology of compact torus action on complex Grassmann manifolds"**
Org: Bernhard Lamel

Dienstag, 28. Mai 2019 13:15 bis 14:45, BZ 9, 9. OG, OMP1
Number Theory Seminar: Martina Lanini, Università di Roma "Tor Vergata": **"Combinatorial Fock space and representations of quantum groups at roots of unity"**
Org: H. Grobner, A. Minguez-Espallargas, A. Mellit

Dienstag, 28. Mai 2019 13:45 bis Mittwoch, 28. August 2019 14:30, Fakultät für Physik, Erwin Schrödinger-Hörsaal, Boltzmanng. 5, 5. St., 1090 Wien
SE Mathematische Physik: Eric Sharpe (Virginia Tech, Blacksburg, USA): **"A proposal for nonabelian mirrors in two-dimensional theories"**
Org: S. Fredenhagen, D. Grumiller, J. Knapp, D. Erkinger, R. Wutte
https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/Seminareinladung_Mathematik_Sharpe_28Mai2019.pdf

Dienstag, 28. Mai 2019 15:00 bis 17:00, SR 12, 2. OG, OMP 1
Geometry and Analysis on Groups Seminar: Jingyin Huang (Ohio State University): **"TBA"**
Org: G. Arzhantseva, Ch. Cashen

Dienstag, 28. Mai 2019 16:15 bis 17:00, Fakultät für Physik, Erwin Schrödinger-Hörsaal, Boltzmanng. 5, 5. St., 1090 Wien
SE Teilchenphysik: Robert Thorne (University College London): **"Parton Distribution Functions at the LHC"**
Org: A. Hoang, S. Plätzer, M. Procura
https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2018_19/SeminareinladungTeilchenphysik_Thorne_28Mai2019.pdf

Mittwoch, 29. Mai 2019 14:00 bis 15:30, BZ 2, 2. OG., OMP 1
Vortrag: M. Makhul: **"Moduli space of n points on the projective line"**
Org: H. Hauser

Mittwoch, 29. Mai 2019 14:30 bis 15:00, HS 11, 2. OG, OMP 1
PDE Afternoon: Michael Innerberger (Vienna University of Technology): **"Strong-weak uniqueness for solutions of Landau-Lifshitz-Gilbert equation"**
Org: SFB 65, DK
https://www.univie.ac.at/sfb65/#!/public/events/details/?type=1&id=405
Mittwoch, 29. Mai 2019 15:15 bis 15:45, HS 11, 2. OG, OMP 1
PDE Afternoon: Jakob Möller (University of Vienna): **"The Pauli equation: Towards a self-consistent modeling"**
Org: SFB 65, DK
https://www.univie.ac.at/sfb65/#!/public/events/details/?type=1&id=406

Mittwoch, 29. Mai 2019 15:45 bis 16:15, HS 11, 2. OG, OMP 1
PDE Afternoon: **Simon Salar Gutleb (Imperial College London, UK)**: **"Introducing a sparse spectral method for Volterra integral equations"**
Org: SFB 65, DK
https://www.univie.ac.at/sfb65/#!/public/events/details/?type=1&id=407

Mittwoch, 29. Mai 2019 17:15 bis 18:00, HS 13, 2. OG., OMP 1
Fachdidaktisches Kolloquium SS2019: Henning Körner (Studienseminar Oldenburg): **"Mit digitalen Werkzeugen vom Bestand zur Änderung und zurück – Ein verstehensorientiertes Konzept zur Analysis"**
Org: H. Humenberger
https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/Did-Kolloquium19.pdf