

Seminar Schedule

Our seminar takes place every Tuesday at 14:00 in Room SR3.068.

In this semester, the seminar will be mainly *in person*. For guests outside KIT, the seminar will take place via *Zoom*. There is also the possibility of organizing the seminar in a *hybrid* form for some slots, under request from the group members who can't attend in person. For further information please contact Fatima Goffi or [Robert Wegner](#).

In general each talk will take 60 minutes, including a ten-minute question session.

Time plan of talks:

- 14.10.2022** - [Wilhelm Treschow](#) (Doctoral researcher @ Lund University)
Embedded eigenvalues for asymptotically periodic ODE systems - Handout - Slides
- 25.10.2022** - [Dr. Louis Garénaux](#) (Postdoctoral researcher @ KIT)
An overview of invasion wave-fronts in reaction-diffusion equations
- 1.11.2022** - Lectures Free
- 08.11.2022** - Elias Gasmi (Doctoral researcher @ KIT)
On the Lugiato-Lefever Model for Frequency Combs in a Dual-Pumped Ring Resonator
- 15.11.2022** - [Robert Schippa](#) (Postdoc @ KIT)
Quasilinear Maxwell equations with anisotropic material laws - [Zoom Link](#)
- 22.11.2022** - [Robert Wegner](#) (Doctoral researcher @ KIT)
The Madelung Equations: Interpretations and Well-posedness
- 29.11.2022** - **There will be two talks:**
14:00-14:45 - [Rebekka Zimmermann](#) (Doctoral researcher @ KIT)
Strichartz estimates for Schrödinger equations with critical singularities
14:45-15:30 - [Prof. Ángel Castro](#) (Instituto de Ciencias Matemáticas (CSIC), Madrid)
Global structures for 2D Euler and SQG
- 06.12.2022** - Niklas Knobel (Doctoral researcher @ KIT)
On Echo Chains in Magnetohydrodynamics
- 13.12.2022** - Constantin Bilz (Postdoc @ KIT)
Large sets without Fourier restriction theorems
- 20.12.2022** - Kevin Drescher (Doctoral researcher @ KIT)
Computer-assisted proofs and eigenvalue bounds
- 10.01.2023** - [Johannes Bärlin](#) (Doctoral researcher @ Universität Konstanz)
Spectral stability of shock profiles for hyperbolically regularized systems of conservation laws
- 17.01.2023** - [Sebastian Ohrem](#) (Doctoral researcher @ KIT)
Existence and regularity of breathers for a quasilinear wave equation
- 24.01.2023** - [Lukas Bengel](#) (Doctoral researcher @ KIT)
Existence and stability for an extended Lugiato-Lefever equation
- 31.01.2023** - [Julia Henninger](#) (Doctoral researcher @ KIT)
Variational methods for a generalized semilinear wave equation
- 7.02.2023** - [Joannis Alexopoulos](#) (Doctoral researcher @ KIT)
(Modulated) stability of wave trains against non-localized perturbations

14.02.2023 - [Sarah Hofbauer](#) (Doctoral researcher @ University Stuttgart)
Validity of the Whitham approximation for a complex cubic Klein-Gordon equation

16.02.2023 - [Jarek Mederski](#) (Associate Professor @ Polish Academy of Sciences, Warsaw)
Normalized ground states of nonlinear Schrödinger equations

17.02.2023 - [Yannis Bähni](#) (Research Associate @ Universität Augsburg)
First Steps in Twisted Rabinowitz-Floer Homology