

**Siegmundsburg Seminar on
Analysis & Theoretical Numerics**
July 29-31, 2026, Siegmundsburg/Thuringia

Wednesday, July 29, 2026

individual travelling to Siegmundsburg

- 13:00 – 14:00 *Lunch*
- 14:30 – 15:05 **Simon Murmann** (Jena)
"Time-periodic solutions to Hibler's sea ice model in $\mathbb{R}^2$ "
- 15:10 – 15:45 **Alexandra Havelková** (Jena)
"Upper Estimates for Besov-Morrey Norms of Functions with Quarklet Representations"
- 15:45 – 16:15 *Coffee break / Poster session*
- 16:15 – 16:50 **Jan Moldavčuk** (Prague)
"A new class of function spaces generalizing the Arias-de-Reyna space"
- 16:55 – 17:30 **Ivan Kotalík** (Prague)
"Wiener-Luxemburg amalgam spaces (revisited)"
- 17:35 – 18:10 **David Kubíček** (Prague)
"Fine properties of Orlicz-Sobolev functions"
- 18:15 – 19:15 *Dinner*

Thursday, July 30, 2026

- 8:00 – 9:00 *Breakfast*
- 9:00 – 9:35 **Julian Billner** (Erlangen/Nuremberg)
"Schauder and Riesz bases formed by inner products of higher dimensional Lebesgue spaces inspired by ReLU Neural Networks"
- 9:40 – 10:15 **Nick Schneider** (Erlangen/Nuremberg)
"Approximation classes for the anisotropic space-time finite element method"
- 10:15 – 10:45 *Coffee break*
- 10:45 – 11:20 **Andrew Haar** (Prague)
"Spline Frames Characterizing Sobolev Spaces: A Curiosity in the Endpoint Case"
- 11:25 – 12:10 **Luboš Pick** (Prague)
"On one improbable inequality"
- 12:15 – 13:15 *Lunch*
- 13:30 – 18:00 *Hiking tour*
- 18:30 – 19:30 *Dinner*

Friday, July 31, 2026

8:00 – 9:00 *Breakfast*

9:00 – 9:35 **Guillaume Neuttiens** (Jena)

*"Operators preserving half-space support and boundary problems:
an abstract method"*

9:40 – 10:15 **Daan van Dijk** (Jena)

"Interpolation of Transmission spaces"

10:15 – 10:45 *Coffee break*

10:45 – 11:20 **Ladislav Drážný** (Prague)

"Reduction principle for potentials in metric spaces"

11:25 – 12:00 **Marc Hovemann** (Jena)

*"Optimal Exponential Convergence of Adaptive Quarklet Schemes
for Elliptic Operator Equations"*

12:00 – 13:00 *Lunch*

departure from Siegmundsbu

Poster session

Amiran Gogatishvili (Prague) *"Rubio de Francia Extrapolation Theorem for Quasi non-increasing Sequences"*

Serhii Stasyuk (Leipzig) *"Sparse trigonometric approximation of classes of functions with mixed smoothness"*

Hana Turčinová (Prague) *"Interpolation of classical Lorentz spaces measuring oscillation"*