Siegmundsburg Seminar on

Analysis & Theoretical Numerics

August 26-28, 2025, Siegmundsburg/Thuringia

Tuesday, August 26, 2025

individual travelling to Siegmundsburg

13:00 – 14:00 *Lunch*

14:30 – 15:05 **Marc Hovemann** (Jena)
"Adaptive Bivariate Quarklet Tree Approximation"

15:10 – 15:45 **Felix Zimmermann** (Jena)
"K-self-affinity of convex quadrangles"

15:45 – 16:15 *Coffee break / Poster session*

16:15 – 16:50 **Alexandra Havelková** (Prague)
"Weak Type Estimates for Maximal Operators Defined via Rectangles"

16:55 – 17:30 **Hanuš Kameník** (Prague)
"Properties of operators and embeddings of sequence spaces"

17:35 – 18:10 **David Kubíček** (Prague)
"Calderón-type theorems"

18:15 – 19:15 *Dinner*

Wednesday, August 27, 2025

8:00 – 9:00 *Breakfast*

9:00 – 9:35 **Ivan Kotalík** (Prague)
"On optimal endpoint spaces for integral kernel operators"

9:40 – 10:15 **Janik Kruse** (Paderborn)
"Mourre's Commutator Method and Applications"

10:15 – 10:45 *Coffee break*

10:45 – 11:20 **Benjamin Hinrichs** (Paderborn)
"A Wiener-Type Theorem for the Laplace Transform"

11:25 – 12:00 **Henning Kempka** (Jena)
"A conjecture about Hans-Jürgen"

Dorothee Haroske (Jena)
"The magic number 27565"

12:15 – 13:15 *Lunch*

13:15 – 18:00 Hiking tour

19:00 – 20:00 *Dinner*

Thursday, August 28, 2o25

8:00 – 9:00 *Breakfast*

9:00 – 9:35 **Simon Murmann** (Jena)
"Hibler's Time-Periodic Sea Ice Model in the Whole Space"

9:40 – 10:15 **Petr Velyčko** (Prague)
"Classical Lorentz Sequence Spaces"

10:15 – 10:45 *Coffee break*

10:45 – 11:20 **Ladislav Drážný** (Prague)
"Lusin theorem for Orlicz-Sobolev capacity"

11:25 – 12:00 **Dalimil Peša** (Prague/Chemnitz)
"Absolute continuity of the (quasi)norm in rearrangement-invariant spaces"

12:00 – 13:00 *Lunch*

departure from Siegmundsburg

Poster session

Luboš Pick (Prague) "Potential trace inequalities via a Calderón-type theorem"

Serhii Stasyuk (Chemnitz) "Sparse trigonometric approximation of Wiener classes of periodic multivariate functions with mixed smoothness"