
HAUSDORFF SCHOOL

**“Special Topic School: ”Optimality of adaptive finite element
methods”**

September 22 – 26, 2025 (all times local to Bonn)

organized by
Gregor Gantner, Joscha Gedicke

Program

- **Monday, September 22**

08:45 - 09:00	<i>Self Registration</i>
09:00 - 10:30	Carsten Carstensen Axioms of Adaptivity
10:30 - 11:00	<i>Coffee Break</i>
11:00 - 12:30	Lars Diening Meshes in AFEM
12:30 - 14:00	<i>Lunch Break</i>
14:00 - 15:30	Carsten Carstensen Axioms of Adaptivity
15:30 - 16:00	<i>Coffee Break</i>
16:00 - 17:00	Ngoc Tien Tran Convergent adaptive hybrid higher-order method for convex minimization problems
17:00 - 19:00	Get-Together

- **Tuesday, September 23**

10:30 - 11:00	<i>Coffee Break and Group Photo</i>
11:00 - 12:30	Carsten Carstensen Axioms of Adaptivity
12:30 - 14:00	<i>Lunch Break</i>
14:00 - 15:30	Lars Diening Meshes in AFEM
15:30 - 16:00	<i>Coffee Break</i>
16:00 - 17:30	Tabea Tscherpel Stability properties of the L^2 -projection on graded meshes

- **Wednesday, September 24**

09:00 - 10:30	Lars Diening Meshes in AFEM
10:30 - 11:00	<i>Coffee Break</i>

11:00 - 12:30	Christian Kreuzer On instance optimal adaptive finite element methods
12:30 - 14:00	<i>Lunch Break</i>
<i>afterwards</i>	<i>Excursion</i>

• **Thursday, September 25**

09:00 - 10:30	Dirk Praetorius Adaptive Finite Element Methods: Optimal Rates vs. Optimal Complexity
10:30 - 11:00	<i>Coffee Break</i>
11:00 - 12:30	Christian Kreuzer On instance optimal adaptive finite element methods
12:30 - 14:00	<i>Lunch Break</i>
14:00 - 15:30	Dirk Praetorius Adaptive Finite Element Methods: Optimal Rates vs. Optimal Complexity
15:30 - 16:00	<i>Coffee Break</i>
16:00 - 17:30	Ani Miraçi Iterative Solvers in Adaptive Finite Element Methods

• **Friday, September 26**

09:00 - 10:30	Christian Kreuzer On instance optimal adaptive finite element methods
10:30 - 11:00	<i>Coffee Break</i>
11:00 - 12:30	Dirk Praetorius Adaptive Finite Element Methods: Optimal Rates vs. Optimal Complexity
12:30 - 14:00	<i>Lunch Break</i>
<i>afterwards</i>	<i>Closing</i>