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OBERSEMINAR IM INSTITUT FÜR ANGEWANDTE ANALYSIS Wintersemester 2025/26

Im Rahmen des Oberseminars spricht am Montag, den **02. Februar 2026**:

MARIE BORMANN

Universität Bonn

A gradient flow that is none: Heat flow with Wentzell boundary conditions

We establish a representation of the heat flow with Wentzell boundary conditions on smooth domains as gradient descent dynamics for the entropy in a suitably extended Otto manifold of probability measures with additional boundary parts. Yet we show that for weak boundary diffusion the associated Fokker–Planck dynamics cannot be recovered from any entropy-driven metric JKO–Wasserstein scheme, at least if the underlying point metric satisfies certain natural regularity assumptions. The talk is based on joint work with Léonard Monsaingeon, Michiel Renger and Max von Renesse.

Der Vortrag findet in **Raum E.60, Helmholtzstr. 18** statt.

Beginn: 16 Uhr (c.t.). Alle Interessierten sind herzlich eingeladen.

W. Arendt, A. Dall'Acqua, A. Schlichting, R. Zacher.