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OBERSEMINAR IM INSTITUT FÜR ANGEWANDTE ANALYSIS Wintersemester 2025/26

Im Rahmen des Oberseminars spricht am Montag, den **15. Dezember 2025**:

ARLÚCIO DA CRUZ VIANA
Ulm University

Abstract nonlocal-in-time evolution equations

In this talk, we present a class of abstract nonlocal-in-time evolution equations by recalling the generalized Fourier law for heat conduction in materials with memory. Then, we treat them as abstract integrodifferential equations in interpolation scales of Banach spaces. After discussing earlier results on abstract differential equations in this context, we present a well-posedness result. As applications, the results provide local well-posedness results for heat equations with memory, viscoelastic fluid with memory, and viscoelastic plate equations with memory.

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

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

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