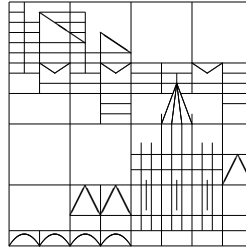


Universität Konstanz
Fachbereich
Mathematik und Statistik



Prof. Dr. Robert Denk

Prof. Dr. Reinhard Racke

Prof. Dr. Oliver Schnürer

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Konstanz, den 30. September 2010

Im
Oberseminar Partielle Differentialgleichungen
wird am
Donnerstag, dem 21. Oktober 2010,
folgender Vortrag gehalten:

Adrian Hammerschmidt (FU Berlin):
*”Stability of translating troughs under Mean Curvature Flow by
polynomial perturbations“*

Zeit: 14:15 Uhr

Raum: G 227 a

Interessenten sind herzlich willkommen!

R. Denk, R. Racke, O. Schnürer

Abstract: In this talk, stability $\mathbb{R}^N \subset \mathbb{R}^{N+1}$ under polynomial increasing perturbations is shown. We will develop methods that allow us to construct barriers, which are applicable to many other cases. These barriers will be used in the second part of the talk to prove stability of translating troughs, whose initial perturbation is allowed to increase or decrease in a fixed stripe.

(invited by Prof. Dr. Schnürer)