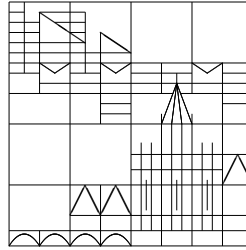**Universität Konstanz**

**Fachbereich
Mathematik und Statistik**

Prof. Dr. Robert Denk

Prof. Dr. Reinhard Racke

Prof. Dr. Oliver Schnürer
Oliver.Schnuerer@uni-konstanz.de

Konstanz, den 15. November 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
polynominal perburtations"*

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 polynominal increasing perburtations 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 perburtation is allowed to increase or decrease in a fixed stripe.
(invited by Prof. Dr. Schnürer)