Universität
Konstanz

Fachbereich Mathematik und Statistik

Prof. Dr. R. Racke, Prof. Dr. O. Schnürer

Im

Oberseminar Partielle Differentialgleichungen

gibt es am

Donnerstag, dem 17. November 2016,

einen Vortrag von

Dr. Felix Lubbe

(Georg-August-Universität Göttingen)

"Mean curvature flow of contractions between Euclidean spaces"

Beginn: **15.15 Uhr**
Raum: **F426**

Interessenten sind herzlich willkommen!
R. Denk, R. Racke, O. Schnürer

Abstract: I will introduce the mean curvature flow for maps between Euclidean spaces of arbitrary dimensions. If such a map satisfies a length-decreasing condition, the mean curvature flow in the product space has a smooth, graphical long-time solution. Further, I will discuss uniform decay estimates for the mean curvature vector and all higher-order derivatives of the corresponding map. The results can be extended to the case where the initial map is Lipschitz.

(invited by Prof. Dr. Oliver Schnürer)