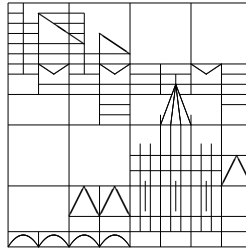


Universität Konstanz
Fachbereich
Mathematik und Statistik



Prof. Dr. Robert Denk

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Konstanz, den 25. November 2010

Im
Oberseminar Partielle Differentialgleichungen
wird am
Donnerstag, dem 02. Dezember 2010,
folgender Vortrag gehalten:

Prof. Dr. Jürgen Saal (TU Darmstadt):
„Mild solutions for the geostrophic model of cyclones“

Zeit: 14:15 Uhr

Raum: F 426

Interessenten sind herzlich willkommen!

R. Denk, R. Racke, O. Schnürer

Abstract: A mathematical model for Tornados or Hurricanes is given by the so-called weakly compressible Navier-Stokes equations. Although frequently discussed in geostrophical literature, there seems to be a lack of a rigorous mathematical treatment. As a starting point, in this talk via a Hilbert space approach I would like to present existence of unique mild solutions to this system.

(invited by Prof. Dr. Denk)