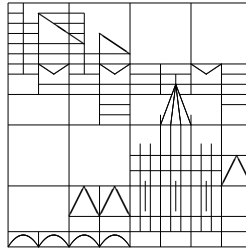


Universität Konstanz
Fachbereich
Mathematik und Statistik



Prof. Dr. Robert Denk

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Konstanz, den 30. Mai 2011

Im
Oberseminar Partielle Differentialgleichungen
wird am
Donnerstag, dem 9. Juni 2011,
folgender Vortrag gehalten:

Robert Haslhofer (ETH Zürich):
„Stability of Ricci-flat spaces“

Zeit: 14:15 Uhr

Raum: F 426

Interessenten sind herzlich willkommen!

R. Denk, R. Racke, O. Schnürer

Abstract: I will give an overview about different aspects of the stability of Ricci-flat spaces. In the case of compact manifolds, I will discuss a Lojasiewicz-Simon inequality and its dynamical implications for the Ricci flow. In the noncompact case, I will introduce a renormalized Perelman-functional, discuss the stability inequality for Ricci-flat cones, and explain an intriguing relationship with the ADM-mass from general relativity.

(invited by Oliver Schnürer)