



Universität Konstanz

Fachbereich
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Datum: 28. Juni 2010

Im

Oberseminar Partielle Differentialgleichungen

wird am

Donnerstag, dem 1. Juli 2010,

folgender Vortrag gehalten:

Dr. Miles Simon (Freiburg):

,*Stability of metrics under Ricci flow*“

Zeit: 14:00 Uhr (!)

Raum: F 427 (!)

Interessenten sind herzlich willkommen!

R. Denk, H. Freistühler, O. Schnürer

Abstract: Let (M, h) be euclidean space or hyperbolic space, and let (M, g) be a Riemannian manifold which is close to (M, h) . We show: (M, g) lives forever when evolved by Ricci flow, and converges to (M, h) (up to diffeomorphisms) as time goes to infinity, as long as 'close' is appropriately defined. We also show: if we slightly (or moderately) change the definition of 'close', then this statement is incorrect.