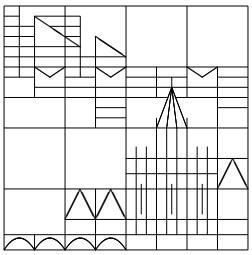
Universität Konstanz

Fachbereich
Mathematik und Statistik



Prof. Dr. Robert Denk
Prof. Dr. Michael Dreher
Prof. Dr. Reinhard Racke
Prof. Dr. Oliver Schnürer

Konstanz, den 6. Dezember 2012

Im

Oberseminar Partielle Differentialgleichungen

wird am

Donnerstag, dem 06. Dezember 2012,

folgender Vortrag gehalten:

Dr. Matthias Makowski (Universität Konstanz):

"Mixed volume preserving curvature flows in hyperbolic space"

Zeit: 13:30 Uhr

Raum: F 426

Interessenten sind herzlich willkommen!

R. Denk, M. Dreher, R. Racke, O. Schnürer

Abstract: We consider curvature flows in hyperbolic space with a curvature function F, which is monotone, symmetric, homogeneous of degree 1 and either convex or concave and inverse concave, and a volume preserving term. For initial hypersurfaces, which are compact and strictly convex by horospheres, we prove long time existence and exponential convergence to a geodesic sphere of the same mixed volume as the initial hypersurface.

(invited by Prof. Dr. Oliver Schnürer)