



Sommersemester 2019

**Oberseminar**  
**Geometrische Analysis, Differentialgeometrie und Relativitätstheorie**

Am Donnerstag, den 23.05.2019 spricht um 14 Uhr c. t. im Raum S 09

**Florian Johne**  
(Universität Tübingen)

über das Thema

**A convergence result for List flow in three dimensions**

List flow is a geometric evolution equation for a pair consisting of a Riemannian metric  $g$  and a smooth function  $u$ . This extended Ricci flow system has applications to static vacuum solutions of the Einstein equations and Ricci flow on warped products.

The coupling induces additional difficulties in the convergence proof compared to Ricci flow, which we overcome by using an improved bound for the Hessian of the smooth function  $u$ .

Hierzu wird herzlich eingeladen.

C. Cederbaum, G. Huisken