



Wintersemester 2017/18

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

Am Donnerstag, den 21.12.2017 spricht um 14 Uhr c. t. im Raum S9

**Sven Hirsch**

über das Thema

**Mean curvature flow in a Ricci flow background**

In this talk we deform hypersurfaces along their mean curvature whose ambient manifold is evolving under Ricci flow. We show that the distance between any two surfaces is non-decreasing and prove that sufficiently convex surfaces converge to a sphere via a modern blow-up argument.

Hierzu wird herzlich eingeladen.

C. Cederbaum, G. Huisken