



Sommersemester 2020

**Oberseminar
Geometrische Analysis, Differentialgeometrie und Relativitätstheorie**

Am Donnerstag, den 30.04.2020 spricht um 14 Uhr c. t. per Videoübertragung

Stephen Lynch
(Universität Tübingen)

über das Thema

A Harnack inequality for mean curvature flow

We discuss the formation of singularities on a compact solution of mean curvature flow which is embedded and mean-convex. Haslhofer and Kleiner established a powerful Harnack inequality for such solutions. Roughly speaking, this gives upper and lower curvature bounds on a backward spacetime neighbourhood around any point where the curvature is very large. We will describe a new proof of their result which uses fewer tools, and can therefore be generalised to flows by speeds other than the mean curvature.

This seminar will meet online. Please sign up by sending an email to Angelika Spörer-Schmidle or Martina Neu.

Hierzu wird herzlich eingeladen.

C. Cederbaum, G. Huisken