EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN

Mathematisch-
Naturwissenschaftliche
Fakultät

Fachbereich Mathematik

AB Geometrische Analysis,
Differentialgeometrie und
Relativitätstheorie

Sommersemester 2019

Oberseminar
Geometrische Analysis, Differentialgeometrie und Relativitätstheorie

Am Donnerstag, den **27.06.2019** spricht um **14 Uhr c. t.** im Raum S 09

Prof. Dr. Simon Brendle
(Columbia University)

I will discuss our recent proof of Perelman's conjecture concerning the classification of singularity models in 3D Ricci flow. The proof consists of two parts: An argument reducing the general case to the rotationally symmetric case, and a classification of noncompact ancient solutions with rotational symmetry. In this lecture, I will focus on the latter part. The proof relies on a combination of several techniques, including an analysis of the linearized equation in the cylindrical region, a barrier argument, and the Harnack inequality.

Hierzu wird herzlich eingeladen.

C. Cederbaum, G. Huisken