



Wintersemester 2016/17

Oberseminar
Geometrische Analysis, Differentialgeometrie und Relativitätstheorie

Am Donnerstag, den 02.02.2017 spricht um 14 Uhr c. t. im Raum N16

Martin Kell
(Universität Tübingen)

über das Thema

**Group actions and foliations on metric measure spaces with
generalized Ricci curvature bounds**

In this talk I show that weighted Ricci curvature and resp. the synthetic Ricci curvature via optimal transport is compatible with respect to isometric group actions and foliations corresponding to submetries or Riemannian submersion, that is, lower bounds on the generalized finite or infinite dimensional Ricci curvature are preserved when taking quotients in the setting of metric measure spaces. This gives a natural setting for orbifolds with Ricci curvature bounds and also applies to discrete version of Ricci curvature bounds.

Hierzu wird herzlich eingeladen.

C. Cederbaum, G. Huisken