



Wintersemester 2016/17

Oberseminar
Geometrische Analysis, Differentialgeometrie und Relativitätstheorie

Am Donnerstag, den 24.11.2016 spricht um 14 Uhr c. t. im Raum N16

Sascha Muhr
(Universität Tübingen)

über das Thema

Connection between p -harmonic functions and the inverse mean curvature flow

In this talk we will present Roger Mosers method for an alternative proof for the existence of solutions to the IMCF and outline a proof for the more general case of a complete and closed Riemannian manifold with bounded curvature. In the course of doing so we will also discuss why certain properties of p -harmonic functions, such as the Hölder-continuity of the gradient, will be preserved and give an outlook on further proceedings in the field.

Hierzu wird herzlich eingeladen.

C. Cederbaum, G. Huisken