Oberseminar
Geometrische Analysis, Differentialgeometrie und Relativitätstheorie

Am Donnerstag, den 29.06.2017 spricht um 15 Uhr c.t. im Raum S9

Annachiara Piubello
(Universität Tübingen)

über das Thema

On Existence of Static Metric Extensions alà Miao

We analyze the static metric extension conjecture proposed by Bartnik and studied by P. Miao. This is motivated by problems related to quasi-local mass in General Relativity. We show that there exists an asymptotically flat and scalar flat static extension of the metric on the outside space of a ball of constant radius R such that it satisfies Bartnik's geometric boundary condition if we start with a metric which is a slightly modification of the Euclidean one and that has reflection invariant boundary data.

Hierzu wird herzlich eingeladen.

C. Cederbaum, G. Huisken