



Oberseminar
Geometrische Analysis, Differentialgeometrie und Relativitätstheorie

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

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über das Thema

On Existence of Static Metric Extensions à la 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