Sommersemester 2020

**Oberseminar
Geometrische Analysis, Differentialgeometrie und Relativitätstheorie**

Am Donnerstag, den **23.07.2020** spricht um **14 Uhr c. t.** per Videoübertragung

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über das Thema

Short time asymptotics for the heat flow out of compact sets

We consider the heat flow on a Riemannian manifold with the characteristic function of a compact set as initial data and derive a short time asymptotic expansion for the loss of heat in terms of geometric invariants. The method uses an approximation of heat level-sets through the distance function.

Hierzu wird herzlich eingeladen.

C. Cederbaum, G. Huisken, K. Kröncke