



Oberseminar

Geometrische Analysis, Differentialgeometrie und Relativitätstheorie

Am Donnerstag, den **09.01.2025** spricht um **14 Uhr s.t.** im Raum **S9 (C6H05)** und über Zoom

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über das Thema

Insights on Michel charges in the asymptotically hyperboloidal setting and their evolution

We consider asymptotically hyperboloidal initial data sets (M, g, K) , with background data (H^3, b, b) , where (H^3, b, b) is the standard hyperboloid embedded in Minkowski. We compute charges with respect to the KIDs of this background as done in Michel (B. Michel, Geometric invariance of mass-like asymptotic invariants, arxiv.org/abs/1012.3775). With appropriately chosen asymptotics and direction of evolution, we find that the behaviour of these charges is very similar to that in the null setting. This could shed some light on the physical interpretation of these charges on asymptotically hyperboloidal initial data.

Den Zoom-Link erhalten Sie per E-Mail von Martina Neu.

For participating online, please sign up by sending an email to Martina Neu.

Hierzu wird herzlich eingeladen.

Rodrigo Avalos, Carla Cederbaum, Gerhard Huisken, zusammen mit Jan Metzger (Potsdam)