



**Oberseminar
Geometrische Analysis, Differentialgeometrie und Relativitätstheorie**

Am Donnerstag, den **22.01.2026** spricht um **14 Uhr s.t.** im Raum **C4H33** und **über Zoom**

Huyue Yan

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über das Thema

**Some Thoughts on the Robinson-Styled Proof of a Minkowski-Type Inequality for
Asymptotically Flat Static Manifolds**

Using a Robinson-styled method, Florian Babisch obtained an alternative proof of the classical Minkowski inequality based on a divergence identity. Starting from this Euclidean framework, we explore extending the Robinson-styled ansatz to establish a generalized Minkowski-type inequality on asymptotically flat static manifolds. We analyze the additional geometric difficulties arising in this setting and discuss the analytical difficulties they introduce compared to the flat case. In particular, we suggest that the co-area formula may play a role in controlling mixed terms in this context.

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)