



**Oberseminar**  
**Geometrische Analysis, Differentialgeometrie und Relativitätstheorie**

Am Donnerstag, den **30.10.2025** spricht um **14 Uhr s.t.** im Raum **C9A03** und **über Zoom**

**Colin Kühner**  
(Universität Tübingen)

über das Thema

**On conserved quantities in Relativity**

In this talk, we investigate conserved currents in the context of relativity, focusing on the interplay between local and global symmetries. Specifically, we examine how local symmetries encoded by Killing vector fields relate to global symmetries arising from Lie group actions by isometries. This comparison gives rise to a conserved quantity, the momentum mapping, whose transformation properties are subsequently analyzed

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)