



**Oberseminar
Geometrische Analysis, Differentialgeometrie und Relativitätstheorie**

Am Donnerstag, den **25.06.2026** spricht um **14 Uhr** im Raum **C4H33** und über **Zoom**

Prof. Dr. Oscar Reula
(University of Córdoba, ARGENTINA)

über das Thema

Towards a Complete Theory of Hyperbolic Systems with Constraint and Gauge Freedoms

The mathematical theory for hyperbolic systems where the number of equations matches the number of unknowns was largely settled over 70 years ago, establishing the conditions for stable initial-boundary value formulations. However, most physical systems deviate from this ideal type, possessing inherent "constraints" and "gauge freedoms." For these systems, a comprehensive theory remains underdeveloped. In this talk, I will review the current understanding of these complexities, highlight recent progress, and formulate the fundamental questions required to establish a complete theory.

Den Zoom-Link erhalten Sie per E-Mail von Abir Seghirate

For participating online, please sign up by sending an email to Abir Seghirate.

Hierzu wird herzlich eingeladen.

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