



**Oberseminar
Geometrische Analysis, Differentialgeometrie und Relativitätstheorie**

Am Montag, den **02.02.2026** spricht um **15 Uhr s.t.** im Raum **H2C14** und über **Zoom**

Prof. Dr. Carlo Sinestrari

(University of Rome "Tor Vergata")

über das Thema

Volume preserving mean curvature flow of capillary hypersurfaces

We study the evolution of a convex capillary hypersurface in a half-space with prescribed contact angle at the boundary. The speed is given by a general positive power of the mean curvature minus its average, so that the enclosed volume remains constant. We show that the solution remains convex under the evolution, exists for all times and converges smoothly to a spherical cap as time goes to infinity. This work is in collaboration with Liangjun Weng (SNS Pisa)

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)