

Speaker: Marcello Lucia (City University New York)

Date & Time: June 23, 2026, 14:00 - 15:00

Location: Übungsraum 1 (Raum -119)

Title:

Harnack inequality for some quasilinear problems involving exponential nonlinearity

Abstract:

Geometrical Problems of prescribing Gauss or Ricci curvatures motivate the study of quasilinear equations with exponential nonlinearity. For such problems I will report on some recent results obtained in collaboration with Pierpaolo Esposito (University of Rome 3). In particular, I will discuss some refined blowup analysis and present an optimal Harnack inequality of the type $\sup+\inf$ that extends some results obtained previously by Brezis, Li and Shafrir.