Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

Fakultät für
Mathematik, Informatik
und Naturwissenschaften

Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 05. Juni 2018

17 Uhr s.t., Geom H4

Prof. Dr. Mario García Fernández
(ICMAT, Madrid)
Canonical metrics in complex non-Kähler geometry

Abstract:

In the 1950s Calabi asked the question of whether a compact complex manifold admits a preferred Kähler metric, adjusted to the holomorphic structure and distinguished by natural conditions on the volume or the Ricci tensor. Following recent advances in Kähler geometry, such as the solution of the Kähler-Einstein problem, there is a renewed interest in extending Calabi's Programme to the case of compact complex manifolds which do not admit a Kähler metric. In this talk I will overview the history of this question, from the classical Uniformization Theorem on Riemann surfaces, to the different proposals for a theory of canonical metrics in complex non-Kähler geometry.

Vor dem Vortrag (ab 16.30 Uhr) stehen im Raum 327 Kaffee und Tee bereit.