FIM
Nachdiplomvorlesung

Alessio Figalli (The University of Texas at Austin)

The Monge-Ampère equation and its applications

September 16 - December 16, 2014
Tuesdays 10.15 - 12.00h
HG G 43, ETH Zürich, Rämistrasse 101

Abstract

The Monge-Ampère equation is a fully nonlinear degenerate elliptic equations which arises in several geometric and analytic problems, such as the prescribed Gaussian curvature equation, affine geometry, optimal transportation, reflector shape design, semigeostrophic equations, etc.
The aim of this course is to present the general regularity theory for this equation, together with a selection of applications.

FIM - Institute for Mathematical Research
www.fim.math.ethz.ch/lectures

D MATH

ETH
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich