



Perlen-Kolloquium

Der Fachbereich Mathematik lädt zu folgendem Vortrag ein:

**Prof. Camillo De Lellis
(Universität Zürich)**

*The oriented Plateau problem
and a question of Almgren*

Donnerstag, 15.03.2018, 16.15 Uhr

im Seminarraum 2 im 5. OG (Spiegelgasse 5).

Anschliessend offerieren wir einen Apéro.

Gäste sind herzlich willkommen!

Zusammenfassung: The Plateau problem, named by Henry Lebesgue after the Belgian physicist, consists in finding the surface of least area which spans a given contour. In order to tackle such question, generations of mathematicians have investigated the very fundamental notions of “surface”, “boundary” and “area”, proposing a variety of different theories. In this talk I will give a brief exposition of the so-called theory of currents, introduced by Federer and Fleming in the 60es after the pioneering work of De Giorgi in the case of hypersurfaces. I will then discuss an open question relating the shapes of the contour and that of the minimizer, posed by Almgren in the early eighties and recently solved in a joint work with Guido de Philippis, Jonas Hirsch and Annalisa Massaccesi.