Bernoullis Tafelrunde

Graduate Student Seminar

2 May 12:15-13:00
Seminarraum 05.002, Spiegelgasse 5

Simone Steinbrüchel

Universität Zürich

Plateau's Problem: The Geometric Measure Theory Approach

Abstract

In the 19th century, the problem of finding the surface of least area among those spanning a given boundary is called Plateau's problem. In this talk, we will present various ways how to tackle the problem and then focus on the methods of Geometric Measure Theory in order to discuss existence and some properties of minimal surfaces.