



Gastvortrag

Dienstag, 21. November 2023

Uhrzeit: 10.00 Uhr

Seminarraum I

M. Sc. Dorian Martino

Université Paris Cité

The regularity of n -harmonic maps with antisymmetric potentials

Abstract:

Natural generalizations of minimal surfaces and prescribed mean curvature surfaces in higher dimension, are given by n -harmonic maps and its variations such as H -systems. These maps are governed by n -Laplace systems with antisymmetric potentials. Regularity properties of those systems are difficult to obtain for two reasons: first because the leading order operator is nonlinear and second because the system is critical from the point of view of the standard regularity theory. I will discuss some progress obtained in a joint work with Armin Schikorra.

Eingeladen von Simon Blatt