

Gastvortrag

Dienstag, 11. Juni 2019
Uhrzeit: 13:00 Uhr
Seminarraum II

Prof. Armin Schikorra
University of Pittsburgh

Measuring Degree in fractional Sobolev Spaces

Abstract:

The degree of a map between two spheres of same dimension can be estimated by the Sobolev norm of said map (of the right class). In this talk I will discuss to what extend this is possible for the Hopf degree as well – and why the estimate we have is “analytically optimal” but probably not “topologically optimal”. Also I will present results for degree estimates for maps with positive Jacobians.

Based on joint works with J. Van Schaftingen, S. Li.

Eingeladen von Simon Blatt