



universität
wien

Fakultät für Mathematik

Mathematisches Kolloquium

Mittwoch, 6. November 2019

Sky Lounge

EINLADUNG

Stanislav Hencl

(Charles University Prague)

„Diffeomorphic approximation of $W^{1,1}$ planar Sobolev homeomorphisms“

„Diffeomorphic approximation of $W^{1,1}$ planar Sobolev homeomorphisms“

Abstract:

Let f be a homomorphism from a planar domain U into \mathbb{R}^2 that belongs to the Sobolev space $W^{1,1}(U, \mathbb{R}^2)$. We show that there exists a sequence of smooth diffeomorphisms f_k converging to f in the norm of Sobolev space and uniformly. This is a joint result with A. Pratelli.

15.45 Uhr: Kaffeejause

16.15 Uhr: Vortrag

vinum cum pane im Anschluss

Roland Donninger
Christian Krattenthaler
Ulisse Stefanelli