PARIS LODRON UNIVERSITÄT SALZBURG

Mathematik

Gastvortrag

Dienstag, 16. Jänner 2024
Uhrzeit: 11.00 Uhr
Seminarraum I

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Critical Points for Multiple Integrals of Calculus of Variations

Abstract:

In the last years, elliptic equations involving a nonsmooth term have attracted several outstanding mathematicians and the interest towards this kind of problems has grown more and more, not only for their intriguing analytical structure, but also in view of their applications in a wide range of contexts. Motivated by this wide interest in the literature, the leading purpose of this talk is to present some recent results on nonsmooth elliptic equations, mainly related to a wide class of functionals defined through multiple integrals of Calculus of Variations.

Applications to quasilinear boundary value problems will be presented and some open problems briefly discussed.

Eingeladen von Verena Bögelein