

Einladung zum Mathematischen Kolloquium

Julius-Maximilians-Universität Würzburg • Fakultät für Mathematik und Informatik

Prof. Dr. Michael Ulbrich

TU München

What makes non-smoothness so attractive? Selected theory, methods, and applications of non-smooth solutions

Mittwoch, den 6. Feb. 2013 • 16:15 Uhr

Mathematik Ost (Emil-Fischer-Straße 40), Seminarraum SE 40 (Raum 00.001)

Inhaltsangabe

Nonsmooth equations provide a versatile modeling tool that is significantly more powerful than smooth systems of equations. In particular, many variational inequalities, constrained optimization problems, and other important problem classes can be reformulated as locally Lipschitz continuous systems of equations. In many cases, the resulting operators are semismooth and thus allow for the application of generalized Newton methods. In this talk, we discuss selected theory and Newton-type methods for nonsmooth equations in both, finite dimensional and function spaces. Furthermore, several recent fields of applications, including sparse optimization and optimization with PDEs, are presented.



www.mathematik.uni-wuerzburg.de/kolloquium.html

Zu diesem Vortrag laden wir Sie herzlich ein.
Im Anschluss an die Vorträge Kaffee und Tee im Foyer vor dem SE 40.

Die Dozentinnen und Dozenten der Mathematik

