Generalized Hadamard jump conditions

John Ball

Mathematical Institute, University of Oxford, United Kingdom
`ball@maths.ox.ac.uk`

The talk is based on the joint work with Carsten Carstensen

The classical Hadamard jump condition relates the values of the gradient of a piecewise C^1 map on either side of a sufficiently smooth surface. The lecture will discuss generalizations of the Hadamard jump condition for Lipschitz maps and their connections to convexity conditions of the multi-dimensional calculus of variations.