Seminar
Systems and Control Group - CIDMA

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Departamento de Matemática, Universidade de Aveiro
Sala Sousa Pinto

Calculus of variations for generalized functions

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Abstract

We present an extension of the classical theory of calculus of variations to generalized functions. The framework is the category of generalized smooth functions, which includes Schwartz distributions, while sharing many nonlinear properties with ordinary smooth functions.