

COLÓQUIOS 2015
DEPARTAMENTO DE MATEMÁTICA

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FALARÁ SOBRE

Tangential Regularity Theories

Regularity estimates in the theory of diffusive problems are among the finest treasures of the modern analysis of PDEs. It is present in a number of subfields like differential geometry, numerical analysis, probability, harmonic analysis, mathematical physics, engineering mathematics, fluid dynamics, optimization, imaging process, etc. In this talk I will discuss about a new geometric methodology for approaching regularity issues in 2nd order elliptic and parabolic problems. This is the so-called geometric tangential method (GTM) which fosters rather powerful tools to understand the underlying regularity theories of this classes of problems. A number of applications will be discussed.

Quarta-feira, 24 de junho Departamento de Matemática
16 horas Auditório

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