Seminario de Análisis y Aplicaciones

Viernes, 30 de Noviembre de 2018

11:30 h., Aula Naranja (ICMAT)

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Carleson measures, uniform rectifiability and ε-approximability of harmonic functions in L^p

Resumen:

The study of uniform rectifiability started as a hunt for optimal geometric conditions for various aspects of Calderón-Zygmund type harmonic analysis but more recently, the emphasis has been on exploring its connections to partial differential equations and other types of analysis. In this talk, we discuss some recent trends in uniform rectifiability, related topics and an L^p version of ε-approximability of Hytönen and Rosén that generalizes the L^∞ type approximability property of Varopoulos. The talk is partially based on my previous and on-going work with S. Hofmann and S. Bortz.

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