

SEMINARIO DE ANÁLISIS Y APLICACIONES

Viernes, 17 de enero de 2020

11:30 h., *Aula Naranja* (ICMAT)

Oscar Domínguez

Universidad Complutense de Madrid

New estimates for maximal functions

Resumen:

Maximal functions play a central role in the study of differentiation, singular integrals and almost everywhere convergence. With Sergey Tikhonov (ICREA) we recently proved some pointwise estimates for maximal functions in terms of smoothness and rearrangements. I plan to discuss the recent progress on these topics and some applications. In particular, I will discuss the Fefferman-Stein inequality for the sharp maximal function for r.i. spaces which are close to L_∞ .

ICMAT CSIC-UAM-UC3M-UCM
Departamento de Matemáticas. U.A.M.

