

SEMINARIO DE ANÁLISIS Y APLICACIONES

Martes, 13 de noviembre de 2018

15:00 h., Módulo 17 - Aula 520 (Depto. Matemáticas UAM)

Betsy Stovall

University of Wisconsin-Madison

Extremizability of Fourier restriction to
the paraboloid

Resumen:

We will show that for almost all valid $L^p(\mathbb{R}^{d+1}) \rightarrow L^q(\mathbb{P}^d)$ restriction inequalities, there exist functions of $L^p(\mathbb{R}^{d+1})$ norm 1 whose extensions have $L^q(\mathbb{P}^d)$ norm equal to the operator norm. As time permits, we will also discuss related questions for other Fourier restriction/extension operators.

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

