



COLLOQUIUM
DEPARTAMENTO DE MATEMÁTICAS
UNIVERSIDAD CARLOS III DE MADRID

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Some Open Problems in Classical Fourier Analysis

Abstract:

In the lecture I will survey several open problems in Fourier Analysis, some dating back to N. Wiener and A. Beurling, that have attracted renewed interest in connection with the development of wavelet theory. I will present the formulation of these problems both in terms of Complex Analysis and Functional Analysis, and explain some connections with the modern Compressed Sensing theory.

The only prerequisite to understand the lecture is a basic knowledge of Fourier series and one variable complex analysis..

Hora: 10:45

Lugar: Seminario del Departamento de Matemáticas
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