

# XXVIII MEMORIAL RUBIO DE FRANCIA

Viernes, 10 de junio de 2016

11:30 h., Módulo 17 - Aula 520 (Depto. Matemáticas UAM)

**Jim Wright**

University of Edinburgh

A talk with two tales: From absolutely to uniformly convergent Fourier series.

**Resumen:**

By the 1950's the theory of absolutely convergent Fourier series had been well-developed and people started to ask what happens to theorems/theories about absolutely convergent Fourier series when one relaxes the condition to uniform convergence. There are two interesting instances where such a question was posed and then investigated; one concerning Sidon sets and another about homomorphisms of the Fourier algebra.

Interestingly, these two problems have near to exact counterparts to problems in Calderon-Zygmund theory and the problems were developed independently for a period of time. In this talk, we will describe this historical development and discuss some recent work.

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