

# SEMINARIO DE ANÁLISIS Y APLICACIONES

Jueves, 5 de julio de 2018

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

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Sharp estimates for oscillatory integral operators  
via polynomial partitioning

## Resumen:

I will discuss recent joint work with Larry Guth and Marina Iliopoulou concerning sharp  $L^p$  bounds for Hormander-type oscillatory integral operators. The results provide an answer to a question of Hormander from the mid 70s and have applications to the study of the convergence of Fourier series.

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