Seminario de Análisis y Aplicaciones

Jueves, 31 de enero de 2013

12:00 h., Módulo 17, Aula 520 (Departamento de Matemáticas, UAM)

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A generalization of the asymptotic formula in Waring's problem with applications to harmonic analysis.

Resumen:

I will discuss the discrete spherical maximal function of Magyar–Stein–Wainger and its estimates, then prove recent results for maximal functions defined over the hypersurfaces arising in Waring's problem by using recent results of Wooley for Vinogradov type estimates of exponential sums. If time permits, I will discuss the 4D spherical maximal function.