

SEMINARIO DE ANÁLISIS Y APLICACIONES

Viernes, 18 de octubre de 2013

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

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Gaussian Hardy spaces and beyond

Resumen:

Gaussian Harmonic Analysis studies objects arising from the Ornstein-Uhlenbeck operator on the Euclidean space equipped with the Gaussian measure. Fairly recently, P. Portal defined a 'quadratic' Gaussian Hardy space from which the associated Riesz transform acts boundedly. This approach employs the theory of tent spaces which are of a non-uniformly local nature because of the non-doubling behaviour of the Gaussian measure. Such tent spaces have recently been studied by A. Amenta and myself in a more general framework. I try to shed light on the current state of affairs on this front.