

Seminario de análisis matemático y aplicaciones  
Analisi matematikoa eta aplikazioak mintegia

Mixed Estimates for Singular Integrals  
on Weighted Hardy Spaces.

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**ABSTRACT:** We consider the weighted Hardy spaces  $H_w^p$ ,  $w$  a Muckenhoupt weight and  $T$  a singular integral. The goal of this talk is to give bounds for the norms  $\|T\|_{H_w^p \rightarrow H_w^p}$  and  $\|T\|_{H_w^p \rightarrow L_w^p}$  in terms of the characteristic of the weight  $w$ . First, we obtain results for weights in  $A_1$  and singular integrals operator of homogeneous type. On the other hand, for certain convolution type operators we obtain bounds for weights in  $A_{infy}$ . This is a joint work with Estefania Dalmaso from IMAL.

**LUGAR / LEKUA:**

Sala de seminarios de la sección de matemáticas  
Matematika ataleko mintegi gela

**DÍA Y HORA / EGUNA ETA ORDUA:**

25/10/2018 , 12:00