

**Seminario de análisis matemático y aplicaciones
Analisi matematikoa eta aplikazioak mintegia**

**Weighted inequalities and applications
to PDEs**

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ABSTRACT: The goal of the talk is to give sufficient conditions on a weight for the weighted improved Poincaré inequality in the case of John domains. On the other hand we apply this to study some applications to PDEs such as solvability of divergence in weighted Sobolev spaces. Finally, we study weighted a priori estimates for solutions of elliptic systems.

LUGAR / LEKUA:

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

DÍA Y HORA / EGUNA ETA ORDUA:

27/10/2016, 12:00