

SEMINARIO DE ANÁLISIS Y APLICACIONES

Viernes, 26 de abril de 2019

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

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BMO from dyadic BMO for
nonhomogeneous spaces

Resumen:

The usual one third trick allows to reduce problems involving general cubes to a countable family. Moreover, this covering lemma uses only dyadic cubes, which allows to use nice martingale properties in harmonic analysis problems. In this talk, we consider alternatives to this technique in spaces equipped with nonhomogeneous measures. This entails additional difficulties which forces us to consider martingale filtrations that are not regular. The dyadic covering that we find can be used to clarify the relationship between martingale BMO spaces and the most natural BMO space in this setting.

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