

# SEMINARIO DE ANÁLISIS Y APLICACIONES

Viernes, 29 de enero de 2021

11:00 h., ONLINE - URL: <https://conectaha.csic.es/b/jos-vqj-olj-lpt>

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Calderón-Zygmund theory and Hardy spaces on trees with nondoubling flow measures

## Resumen:

The classical Calderón-Zygmund theory was developed in the Euclidean space and, more generally, on spaces of homogeneous type, which are measure metric spaces with the doubling property.

In this talk we consider trees endowed with flow measures, which are non-doubling measures of at least exponential growth. In this setting, we develop a Calderón-Zygmund theory and we define BMO and Hardy spaces, proving a number of desired results extending the corresponding theory as known in the classical setting.

This is a joint work with Matteo Levi, Federico Santagati and Anita Tabacco.

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