

SEMINARIO DE ANÁLISIS Y APLICACIONES

Viernes, 22 de enero de 2021

11:30 h., ONLINE - URL: <https://conectaha.csic.es/b/jos-vqj-olj-lpt>

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Dyadic product BMO in the Bloom
setting

Resumen:

Ó. Blasco and S. Pott showed that the supremum of operator norms over L^2 of all bicommutators (with the same symbol) of one-parameter Haar multipliers dominates the biparameter dyadic product BMO norm of the symbol itself. In this talk we present recent work extending this result to the two-weight Bloom setting, and to any exponent $1 < p < \infty$. The proof relies on new two-weight John–Nirenberg inequalities for Bloom dyadic product BMO, analogous to those for usual one-parameter BMO due to I. Holmes, M. Lacey and B. Wick, and those for little BMO due to I. Holmes, S. Petermichl and B. Wick.

This is joint work with Odí Soler i Gibert (Julius-Maximilians-Universität Würzburg).

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