

SEMINARIO DE ANÁLISIS Y APLICACIONES

Viernes, 4 de diciembre de 2020

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

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Symmetric Spaces and
Noncommutative Khinchin Inequalities

Resumen:

Since their discovery three decades ago, noncommutative Khinchin inequalities have been paramount to the development of quantum analysis. Their possible generalisations have been studied in various directions and we will be interested in investigating their validity/formulation in general symmetric spaces. Those are function spaces for which the norm only depends on the distribution of functions. They generalise L_p -spaces and can be easily considered in the noncommutative framework. We will present a complete characterisation of symmetric spaces in which the noncommutative Khinchin inequalities hold, which will lead us to revisit a branch of interpolation theory developed in the 70's and the 80's.

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