



Colloquium del Departamento de Análisis Matemático

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“The Palais' Problem for Operator Spaces”

Jueves 13 de julio de 2017
a las 13:00 horas en el seminario 222

Abstract:

A (separable) twisted Hilbert space X is a Banach space with a copy of ℓ_2 such that $X/\ell_2 = \ell_2$. Palais' problem asks if the only twisted Hilbert space is the trivial one, i. e., ℓ_2 itself. The existence of nontrivial twisted Hilbert spaces was proved by Enflo, Lindenstrauss and Pisier in 1975, and another solution was given by Kalton and Peck in 1979. In this seminar we will consider the Palais' problem in the context of operator spaces, a noncommutative extension of Banach space theory.

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