

FUNCTIONAL ANALISYS SEMINAR

Departamento de Análisis Matemático

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Conference

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“The Waring problem for noncommutative algebras”

ABSTRACT: Let A be an algebra and let $f = f(X_1, \dots, X_n)$ be a noncommutative polynomial. Set $f(A) = \{f(a_1, \dots, a_n) : a_1, \dots, a_n \in A\}$. The Waring problem for A is to find a positive integer N such that, for any f , every element in $\text{span}f(A)$ can be written as a linear combination of N elements from $f(A)$. We will discuss it for different matrix algebras.

Date: June 15th, 2023

Place: Seminar 1 at IMAG building

Time: 10:00

IMAG

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