

SEMINAR

Grupo de Análise Funcional e Aplicações
Functional Analysis and Applications Group

Preservation of vanishing properties of generalized Morrey spaces by some classical operators

Alexandre Almeida

Departamento de Matemática UA and CIDMA

Abstract

Vanishing subspaces of generalized Morrey spaces were recently used to deal with the delicate problem on the description of the closure of nice functions in Morrey norm.

In this talk we show that certain vanishing properties defining those subspaces are preserved under the action of various classical operators of Harmonic Analysis, such as maximal operators, singular type operators, Hardy operators and fractional integral operators.

This is based on joint work with A. Albalik and S. Samko.

Room 11.2.16
November 27, 2019 - 15:10

This seminar is supported in part by the Portuguese Foundation for Science and Technology (FCT - Fundação para a Ciência e a Tecnologia), through CIDMA - Center for Research and Development in Mathematics and Applications, within project UID/MAT/04106/2019.