



SCUOLA
NORMALE
SUPERIORE

SEMINARIO DI MATEMATICA

Giovedì 23 novembre 2017
ore 15:00

Scuola Normale Superiore
Pisa
Aula Bianchi Scienze

Blazej Wrobel

(Università di Wroclaw, Polonia e di Università di Bonn, Germania)

terrà un seminario dal titolo:

“Dimension-free variational inequalities for averaging operators in \mathbb{R}^d ”

Abstract:

In 1982 E.M. Stein proved that the centered Hardy-Littlewood maximal function for the Euclidean ball satisfies dimension-free estimates on $L^p(\mathbb{R}^d)$ $1 < p < \infty$. Stein's result has been later generalized to include other symmetric convex bodies by Bourgain, Carbery, and Müller. The purpose of this talk is to describe a recent variation on the same theme, with the supremum in the definition of the maximal function being replaced by the r -variational seminorm. The talk is based on joint work with Jean Bourgain, Mariusz Mirek, and Elias M. Stein.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze Matematiche e Naturali