



SCUOLA
NORMALE
SUPERIORE

SEMINARIO DI MATEMATICA

mercoledì 22 luglio 2015
ore 14:00

Scuola Normale Superiore
Pisa
Aula Bianchi

David Ruiz

*Departamento de Analisis Matematico
Universidad de Granada*

Terrà un seminario dal titolo:

**“ A rigidity result for overdetermined elliptic problem
in the plain. ”**

Abstract:

In this talk we consider an overdetermined elliptic problem posed in an unbounded domain of the plane. This kind of problems appears in many different contexts, like free boundary problems, obstacle problems and optimization.

We prove that if the boundary of the domain is connected and unbounded the domain must be a half-plane. This gives an answer to a question raised by Berestycki, Caffarelli and Nirenberg in 1997. This is joint work with Antonio Ros (U. Granada) and P. Sicbaldi (U. Aix Marseille)..

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze Matematiche e Naturali