



SCUOLA
NORMALE
SUPERIORE

SEMINARIO DI MATEMATICA

Martedì 18 settembre 2012

Ore 16.00

Scuola Normale Superiore

Pisa

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Terrà un seminario dal titolo:

“A difficult problem about sums of two squares”

Abstract:

We shall discuss an unusual problem about the structure of the representations of an integer as a sum of two squares, motivated by a model inspired by mathematical physics. It concerns the probabilistic distribution of the solutions, in the cases when an integer can be represented in many ways as a sum of two squares. The problem is studied with methods involving combinatorics, the arithmetic of elliptic curves, algebraic geometry, and probabilistic number theory.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze