



SCUOLA
NORMALE
SUPERIORE

SEMINARIO DI MATEMATICA

Martedì 27 gennaio 2015
ore 16:00

Scuola Normale Superiore
Pisa
Aula Mancini

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Terrà un seminario dal titolo:

“Polarized isogeny orbits in families of abelian varieties”

Abstract:

The Andre-Pink-Zannier conjecture predicts that a subvariety of a mixed Shimura variety is weakly special if its intersection with the generalized Hecke orbit of a point is Zariski dense. When the ambient mixed Shimura variety is the universal abelian scheme, the generalized Hecke orbits are precisely the polarized isogeny orbits and weakly special subvarieties also have good geometric interpretation. In my talk I will describe the Andre-Pink-Zannier conjecture for the universal abelian scheme in the geometric term and explain the outline of its proof by the Pila-Zannier method. I will then prove the conjecture when the subvariety is a curve.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze Matematiche e Naturali