



SCUOLA
NORMALE
SUPERIORE

SEMINARIO DI MATEMATICA

Mercoledì 14 febbraio 2018
ore 16:00

Scuola Normale Superiore
Pisa
Aula Bianchi Scienze

Soheyla Feyzbakhsh

(Università di Edinburgo)

terrà un seminario dal titolo:

“Reconstructing a $K3$ surface from a curve via wall-crossing”

Abstract:

Mukai has introduced a geometric program to reconstruct a $K3$ surface from a curve on that surface. The idea is to first consider a Brill-Noether locus of vector bundles on the curve. Then the $K3$ surface containing the curve can be obtained uniquely as a Fourier-Mukai partner of the Brill-Noether locus. In this talk, I will explain how wall-crossing with respect to Bridgeland stability conditions implies that the Mukai's strategy works for curves of genus greater than 12 or genus 11.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze Matematiche e Naturali