Du
28
JUIN.
2019

14h00
-
15h15

RÉGA

Akshay Venkatesh - 15h30 - Stable cohomology for moduli of abelian varieties.

IHP
amphi Hermite

INSCRIPTION

The cohomology of the group Sp(2g, Z) of symplectic 2g x 2g integer matrices is known to stabilize: in each given degree it reaches a "limit" as g goes to infinity. I will first discuss this stable

cohomology and how it arises naturally in topological problems. This cohomology can also be interpreted as the cohomology of a moduli space of abelian varieties, and as such
(if taken with finite coefficients) it carries an action of the absolute Galois group of the rational numbers.
I will explain how to compute this action, and why I find the answer interesting.
This is all joint work with Tony Feng (Stanford) and Soren Galatius (Copenhagen).

INSTITUT HENRI POINCARÉ - UAR839

Sorbonne Université / CNRS
11 rue Pierre et Marie Curie
75231 Paris Cedex 05

HORAIRES

L'institut :
• lundi au vendredi de 8h30 à 18h,
• fermé les jours fériés.

Le musée - Maison Poincaré :
• lundi, mardi, jeudi et vendredi
de 9h30 à 17h30,
• samedi de 10h à 18h,
• fermé le mercredi et le dimanche.