



Du
28
JUN.
2019

14h00
-
15h15

RÉGA

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

IHP
amphi Hermite

INSCRIPTION

The cohomology of the group $\mathrm{Sp}(2g, \mathbb{Z})$ of symplectic $2g \times 2g$ 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).

URL of the page: https://www.ihp.fr/fr/agenda/akshay-venkatesh-15h30-stable-cohomology-moduli-abelian-varieties&is_pdf=true



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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.