



Du
09
MARS.
2022

15h45
-
17h00

RÉGA

~~Alex Torzewski - 15h45 - Studying rational points via p-adic period mappings.~~

INSCRIPTION

We outline a recent method of Lawrence-Venkatesh to study rational points on varieties via p -adic period mappings. More specifically, for varieties which come equipped with a family for which the fibres "vary sufficiently", by considering the variation of the cohomology of the fibres, one may show that the rational points must live in a proper subspace. In the case of smooth projective curves of genus $g > 1$, such families exist and this yields a proof of the finiteness of their rational points, i.e. an alternative proof of the Mordell Conjecture.



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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.