Du
14
OCT.
2016

16h00
-
17h00

RÉGA

Lucia Mocz "A New Northcott Property for Faltings' Heights"

IHP
Salle 314

INSCRIPTION

Lucia Mocz (IHES)
A New Northcott Property for Faltings' Heights

We develop explicit techniques to study the change in Faltings' height within an isogeny class of CM abelian varieties. When combined with the Colmez conjecture, this yields a new CM Northcott property in the cases when the Colmez conjecture is known to be true. On the Hilbert Modular variety, we are moreover able to use the techniques to develop a new Colmez-like conjectural formula for the Faltings' height for all points on the moduli space. The techniques developed introduce a new computational tool from integral p-adic Hodge theory, namely Kisin modules.

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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.

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