Du
16
DÉC.
2020

15h30
-
16h30

RÉGA

~~Matthieu Piquerez - 15h30~~ - Tropical Hodge theory and the tropical Hodge conjecture

INSCRIPTION

Classical Hodge theory explains us that the cohomology of a smooth projective complex variety verifies a lot of nice properties. After a few reminders about classical Hodge theory and about tropical varieties, I will present a tropical analogous of these properties for the cohomology of a tropical variety . This tropical Hodge theory is strongly linked to combinatorial Hodge theory, as well as to the limit of families of complex varieties. I will only detail the latter. This will allow me to talk about the tropical Hodge conjecture and to discuss its links with the classical Hodge conjecture. Finally, I will present a work in preparation with O. Amini where we use the tropical Hodge theory to prove the tropical Hodge conjecture for rationally triangulable tropical varieties.

URL de la page : https://www.ihp.fr/fr/agenda/matthieu-piquerez-15h30-tropical-hodge-theory-and tropical-hodge-conjecture&is_pdf=true



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.

URL de la page : https://www.ihp.fr/fr/agenda/matthieu-piquerez-15h30-tropical-hodge-theory-and tropical-hodge-conjecture&is_pdf=true