Du
01
JUIN.
2022

14h00
-
15h00

RÉGA

Clément Dupont - 15h30 - What are the mixed Tate motives of rank 2?

IHP
201

INSCRIPTION

Motives are linear objects that lift all different cohomology theories (e.g. mixed Hodge theory on singular cohomology, Galois action on étale cohomology) of algebraic varieties at once, and their structure is controlled by algebraic cycles and K-theory. In this talk we will focus on mixed Tate motives (iterated extensions of the pure Tate motives $\mathbb{Q}(-n)$ for all integers n), and will ask the question of the explicit description of rank 2 mixed Tate motives. This is motivated by the understanding of the special values of Dedekind zeta functions of number fields. I will explain how this also sheds light on the search for irrationality proofs for certain mathematical constants.

URL de la page : https://www.ihp.fr/fr/agenda/clement-dupont-15h30-what-are-mixed-tate-motives
rank-2

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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.