



Du
04
JAN.
2023

14h00
-
15h00

RÉGA

Maria Yakerson - 14h00 - The beauty of the beast: the Hilbert scheme of infinite affine space

Salle Grisvard, IHP, Paris

INSCRIPTION

Various invariants have been computed for Hilbert schemes of surfaces, however our knowledge about Hilbert schemes (of points) of higher dimensional schemes is quite limited. In particular, Hilbert schemes of n -dimensional affine spaces have very complicated geometry for high n . In this talk we will discuss the homotopy type of the Hilbert scheme of infinite dimensional affine space, which turns out to be surprisingly simple. We will also mention the motivation for this result, coming from algebraic K-theory. Based on joint work with Marc Hoyois, Joachim Jelisiejew, Denis Nardin, and Burt Totaro.

URL of the page: <https://www.ihp.fr/fr/agenda/maria-yakerson-14h00-beauty-beast-hilbert-scheme-infinite-affine-space>



INSTITUT HENRI POINCARÉ - UAR839

Sorbonne Université / CNRS
11 rue Pierre et Marie Curie
75231 Paris Cedex 05

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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.