



Du
06
DÉC.
2017

14h00
-
15h00

RÉGA

Eduard Balzin "Homotopical algebra and Cartesian fibrations" 14h-15h

IHP
Salle 314

INSCRIPTION

Eduard Balzin (Ecole Polytechnique)

Homotopical algebra and Cartesian fibrations

One important aspect of passing from "non-derived" to "derived" mathematics is the appearance of new and important objects which are algebraic and homotopic in their character. An example of such is the existence of an E_2 -algebra structure on the Hochschild cochain complex, the statement which is otherwise known as Deligne conjecture.

In my talk I will sketch a way to think about homotopical algebraic structures, originally due to Segal, which relies on the machinery of Cartesian fibrations of (higher) categories. As an example of objects involved, we will speak of a couple of very concrete categories describing E_2 -algebras, and mention a comparison result which can, among other things, be used to prove Deligne conjecture.

URL of the page: <https://www.ihp.fr/fr/agenda/eduard-balzin-homotopical-algebra-and-cartesian-fibrations-14h-15h>



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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.