Du
14
MAI.
2014

16h00
-
17h00

RÉGA

Zhaoting WEI "A differential graded category with geometric nature"

IHP
Salle 314

INSCRIPTION

Zhaoting WEI (Indiana)
A differential graded category with geometric nature

I will talk about the "cohesive module", which is introduced by Jonathan Block, of a curved differential graded algebra A. In fact it is a bi-complex of graded modules of A.
The significance of cohesive module is that on a complex manifold X, it gives a DG enhancement of the bounded derived category of coherent sheaves on X. Conceptually the cohesive module gives a "de Rham-theoretic" construction of higher categories.
If time allows, I will also describe some of the applications of cohesive modules besides complex manifolds. Such examples include
-Noncommutative tori
-Higher Riemann-Hilbert correspondence
-Formal neighbourhood of closed embedding and so on.

URL de la page : https://www.ihp.fr/fr/agenda/zhaoting-wei-differential-graded-category-geometric nature



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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.