



Du
05
MAI.
2023

16h30
-
18h00

ÉQUATIONS DIFFÉRENTIELLES MOTIVIQUES ET AU-DELÀ

Poisson Brackets and Flat Connections

L'IHP

INSCRIPTION

A flat connection with regular singularities on a complex plane is characterized by its residues at singular points. A theorem of Hitchin establishes a surprising link between the linear Kirillov-Kostant-Souriau (KKS) Poisson bracket on the residues and the Goldman bracket on traces of holonomies corresponding to closed loops. In this talk, we will show how to generalize this result to regularized holonomies corresponding to paths starting and ending at singular points. Our main technical tool is a version of the Drinfeld's pentagon equation suitable for paths with self-intersections.

The talk is based on a joint work in progress with Florian Naef and Muze Ren.

URL de la page : <https://www.ihp.fr/fr/agenda/poisson-brackets-and-flat-connections>



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.