Du
24
MARS.
2023

16h30
-
18h00

ÉQUATIONS DIFFÉRENTIELLES MOTIVIQUES ET AU–DELÀ

Quantum character varieties

IHP
314

INSCRIPTION

In this talk I will discuss a quantisation procedure for a class of affine del Pezzo surfaces that appear in several contexts of mathematics. Most of the talk will be based on a specific example, namely the affine del Pezzo surfaces defined as
character variety of a torus with one disk removed.I will show the relation between this surface, singularity theory, Painlev\'e differential equations, and introduce a cluster algebra structure on it which is related to Markov numbers. I will discuss quantisation of the Markov cubic in terms of basic orthogonal polynomials and relate it to Sklyanin algebra.

URL de la page : https://www.ihp.fr/fr/agenda/quantum-character-varieties



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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.