ID de Contribution: 5

Type: Non spécifié

Questions about the holomorphic group action dynamics on a natural family of affine cubic surfaces

lundi 27 mai 2024 16:30 (1 heure)

I will describe the dynamics by the group of holomorphic automorphisms of the affine cubic surfaces $S_{A,B,C,D} = \{(x, y, z) \in \mathbb{C}^3 : x^2 + y^2 + z^2 + xyz = Ax + By + Cz + D\}, where A, B, C, and Darecomplex parameters. This group action Loray, Cantat, Tan - Wong - Zhang, Maloni - Palesi - Tan, and many others.$

In this talk I will describe my recent joint with Julio Rebelo and I will focus on several interesting open questions that arose while preparing our work "Dynamics of groups of automorphisms of character varieties and Fatou/Julia decomposition for Painlevé 6" and during informal discussions with many people.

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