

BERNOULLIS TAFELRUNDE

GRADUATE STUDENT SEMINAR

Wednesday, 28 September, 12:15-13:00
Seminarraum 05.001, Spiegelgasse 5

NGUYEN-BAC DANG

Ecole Polytechnique, Université Paris-Saclay

Dynamics of automorphism of a particular family of affine cubic surfaces

ABSTRACT

We will present a family of cubics surfaces of \mathbb{C}^3 and present its automorphism group, and the dynamical systems induced by these automorphism. To do so, I will explain how to extend these automorphism into a birational map of compact complex surfaces and how to make some surgery of these surfaces to understand the dynamics.