

BERNOULLIS TAFELRUNDE

GRADUATE STUDENT SEMINAR

Monday, 14 October 2024, 12:15-13:00
Seminar Room 05.002, Spiegelgasse 5

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Bernoulli Explains: The Generators of the Plane Cremona Group

ABSTRACT

In Birational Geometry among the main objects are the Cremona Groups. In the last years some of the focus has been on their generators. The first such result was the Noether-Castelnuovo Theorem, which gives generators for the Cremona Group of the projective Plane over a closed field. I am going to introduce this group and point out the most important tools necessary to proof the Noether-Castelnuovo Theorem similarly to how it was done by James W. Alexander in 1916.