

BERNOULLIS TAFELRUNDE

GRADUATE STUDENT SEMINAR

Thursday, 14 December 2017, 12:15-13:00
Seminarraum 05.002, Spiegelgasse 5

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Cremona contractibility

ABSTRACT

Let C, D be two birational subvarieties of the projective space \mathbb{P}^n . I am interested in understanding when there exists a Cremona transformation $\omega: \mathbb{P}^n \dashrightarrow \mathbb{P}^n$ such that $\omega(C) = D$. In this talk I will consider configuration of lines in \mathbb{P}^2 . In this special case I'll suggest a classification of configurations of lines that are contractible to a bunch of points.

This talk is aimed at PhD students, without wide geometrical background.