

# BERNOULLIS TAFELRUNDE

GRADUATE STUDENT SEMINAR

**Wednesday, 5 October 2016, 12:15-13:00**

Seminarraum 05.002, Spiegelgasse 5

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## The complement problem in the plane

### ABSTRACT

We consider algebraic curves in the plane, i.e. solution sets of polynomial equations in two variables. After explaining the basic notions we discuss some results on the relationship between a curve and its complement. In particular, we give examples of non-isomorphic curves that have isomorphic complements (with pictures!). This answers a question of Hanspeter Kraft. The presented results are based on joint work with Jérémy Blanc and Jean-Philippe Furter.