

# BERNOULLIS TAFELRUNDE

GRADUATE STUDENT SEMINAR

**Thursday, 20 April 2017, 12:05-12:50**  
Seminarraum 00.003, Spiegelgasse 1

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## Curves and moduli

### ABSTRACT

The unit circle is an example of a real algebraic curve, being the set of zeros of the polynomial  $x^2 + y^2 - 1$ . More generally, an algebraic curve is similar but may be embedded in a higher dimensional space or defined over some more general field.

We will present a “Zoo” of algebraic curves, describing some of their interesting properties. We will then introduce the objects that allow us to classify them, i.e. the moduli spaces curves.