

BERNOULLIS TAFELRUNDE

GRADUATE STUDENT SEMINAR

Thursday, 8 November 2018, 12:15-13:00

Seminarraum 05.002, Spiegelgasse 5

FRANCESCO CAMPAGNA

University of Copenhagen

Primitive root problems

ABSTRACT

The aim of the talk is to explain how primitive root problems arise in the context of elliptic curves. In the first part we give an overview of the classical Artin's primitive root problem; in the second part we explain how analogous questions may be asked for elliptic curves. Here we discuss in particular the cyclic reduction problem for elliptic curves, which turns out to have a strong connection with Artin's conjecture.