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# CURVES WITH MANY POINTS OVER FINITE FIELDS

Christophe Ritzenthaler

University Rennes 1

## Abstract

In his lectures at Harvard in 1985, Serre started the quest for closed formulas for the maximal number of points of curves of small genera over finite fields. So far, this has been achieved only for  $g=0,1$  and 2. We will review the situation and explain what we can currently do for genus 3. This is a joint work (in progress) with Fabien Narbonne and Damien Robert.

**Date :** Friday, June 28, 2019

**Time:** 11:30

**Place:** IMBM Seminar Room, Boğaziçi University South Campus