

Upstate New York Online Number Theory Colloquium

Time and Date: 12:00 pm EST February 22, 2021

Speaker: Michael Larsen

Title: Elliptic curves over fields with finitely generated Galois groups

Abstract: Let K be a field in characteristic 0 with $Gal(\bar{K}/K)$ finitely generated. What can be said about the group of rational points of an elliptic curve E over K ? I will discuss various approaches to this problem, via algebraic geometry, algebraic combinatorics, and analytic number theory.