

MATEMATISKA INSTITUTIONEN
STOCKHOLMS UNIVERSITET
Avd. Matematik

SJÄLVSTÄNDIGT ARBETE I MATEMATIK

Onsdagen den 25 april kl. 13.00–14.00 presenterar Johan Frisk sitt arbete “The Sato-Tate Conjecture” (15 högskolepoäng, grundnivå).

Handledare: Torsten Ekedahl/Rikard Bögvad

Plats: Sal 21, hus 5, Kräftriket

Abstract: This thesis describes the Sato-Tate conjecture on the number of points on an elliptic curve over a finite field. I will show how this result can be derived using heuristics and numerical experiments. Some theory of elliptic curves will be provided to give a context for the conjecture. Furthermore I will describe applications of some of the methods used in this thesis.

All interested are welcome!