

Publication List

Stefan Erickson

New Settings of the First Order Stark Conjectures

Ph.D. Thesis, University of California, San Diego

<http://math.ucsd.edu/~erickson/research/pdf/Thesis.pdf>

An Extension of the First Order Abelian Stark Conjecture

To appear in Rocky Mountain Journal of Mathematics

Preprint: <http://math.ucsd.edu/~erickson/research/pdf/EFOSC.pdf>

Explicit Arithmetic Formulas for Genus 2 Real Hyperelliptic Curves

Co-authored with Michael Jacobson, Ning Shang, Shuo Shen, and Andreas Stein

Arithmetic of Finite Fields, Lecture Notes in Computer Science, Vol. 4547, Springer, 2007, p. 202-218.

Preprint: <http://math.ucsd.edu/~erickson/research/pdf/ejsss-waifi.pdf>

Explicit Formulas for Real Hyperelliptic Curves of Genus 2

Co-authored with Michael Jacobson, Ning Shang, Shuo Shen, and Andreas Stein, in preparation.

Generating Pairing-Friendly Genus 2 Curves over Prime Fields

Co-authored with Kristin Lauter and Ning Shang, in progress.

Computational Evidence for the Extended First Order Stark Conjecture

In progress.

Divisibility Amongst the Fibonacci and Lucas Numbers

In progress.

Book on Elementary and Algebraic Number Theory

Co-authored with John Watkins, in progress.