Nathan Grigg

Box 354350, Seattle, WA 98195
grigg@math.washington.edu

Education

Current **University of Washington**, *Seattle*, Mathematics Ph.D. Candidate.
Focus: Algebraic Geometry. Adviser: Max Lieblich

2007 **Brigham Young University**, *Provo, Utah*, B.S. Mathematics, University Honors.

Undergraduate honors thesis

title *Factorization of Tropical Polynomials in One and Several Variables*

adviser Tyler Jarvis

description A study of tropical (min-plus) polynomials and their factorizations. Algorithms for determining the combinatorial type and graphing tropical planar curves, implemented in Maple.

Publications

paper N. Grigg, N. Wilde, and G. Lawlor. (2007). "A Variation on the Steiner Problem: Equally Spaced Points on a Wide Cone." Preprint.

paper N. Grigg and T. Jarvis. (2006). "An Elementary Proof of the Fundamental Theorem of Tropical Algebra." Preprint.

Teaching Experience

2007–Present **Instructor**, *University of Washington*.
Four quarters as primary instructor for calculus and linear algebra

2007–2009 **Teaching Assistant**, *University of Washington*.
Four quarters as teaching assistant for calculus, business calculus, and abstract algebra

2005–2006 **Teaching Assistant**, *BYU Math Tutorial Lab*.
Tutored individual students and taught class reviews for students in calculus, linear algebra, abstract algebra, and beginning analysis