

BENJAMIN L. WEISS

CURRICULUM VITAE

Birthdate: March 18, 1983 Birthplace: Summit, New Jersey Citizenship: U.S.A
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AWARDS

Top Graduate Student Instructor, University of Michigan Mathematics Department, Spring 2009.
AMS-Simons Travel Grant, Summer 2012–Summer 2014.

EDUCATION and TRAINING

Ph.D. University of Michigan, Dec. 2011. Advisors: Jeffrey C. Lagarias and Michael E. Zieve
B.A. Columbia University, May 2005. Advisor: Patrick X. Gallagher

APPOINTMENTS

Assistant Professor, University of Maine–Orono, September 2013–Present.
Visiting Assistant Professor, Bates College, August 2012–July 2013.
Postdoctoral Researcher, Technion–Israel Institute of Technology, August 2011–August 2012.
Adjunct Researcher, Center for Communications Research, Princeton NJ, Summers of 2006 and 2007.
Director’s Summer Program, Fort Meade MD, Summers of 2004 and 2005.

PUBLICATIONS

“Diophantine Equations with Two Separated Variables,” a dissertation in fulfillment of a Ph.D.
“Chebyshev Mappings of Finite Fields,” Feb. 2012 American Math Monthly pages 151–155. Joint with Julian Rosen, Zachary Scherr, and Michael E. Zieve.
“Probabilistic Galois Theory over p -Adic Fields,” Journal of Number Theory May 2013.
“Splitting behavior of S_n polynomials,” Joint with Jeffrey C. Lagarias.
“Emergence of 4-Cycles in Polynomial Mappings,” joint with Andrew Best, Patrick Dynes, Steven Miller, and Jasmine Powell (Submitted)

TEACHING EXPERIENCE

Graduate Algebra Fall 2015–Spring 2016 University of Maine
Problem Solving Seminar Fall 2015 University of Maine
Multivariable Calculus Fall 2015 University of Maine
Introduction to Proofs Spring 2015 University of Maine
Linear Algebra Spring 2015 University of Maine
Undergraduate Algebra Fall 2014 University of Maine
Graduate Algebra Fall 2013–Spring 2014 University of Maine.
Multivariable Calculus Fall 2013 and 2014 at University of Maine.
Problem Solving Methods Fall 2013 and 2014 University of Maine.
Instructor, Integral, Differential, and Multivariable Calculus at Bates College, Fall 2012–Spring 2013.
Assisted with REU at the University of Michigan, Summer 2012.
Organized the University of Michigan’s Graduate Student Arithmetic Seminar, Fall 2008–Spring 2010.
Co-coordinator of the Integral Calculus instructors, University of Michigan Spring 2010.
Instructor, Integral Calculus, University of Michigan, Spring and Fall 2008.
Instructor, Differential Calculus, University of Michigan, Fall 2006 and Fall 2007.

SELECTED RECENT SPEAKING ENGAGEMENTS

Yale’s Algebra and Number Theory Seminar, March 2015.
Quebec-Maine Number Theory conference, October 2014.
Joint Math Meetings special session on Computational Algebraic Geometry, January 2013.
UMaine-Orono, “Pizza lecture” series on arithmetic dynamics, November 2012.

Quebec-Maine Number Theory conference, September 2012.

Brandeis University, invited to their “Every Topic” seminar, January 2012.

Northeastern University, invited to their Quivers and Invariant Theory seminar, January 2012.

Georgia Tech, invited to talk at their Algebra seminar, January 2012.

Joint Math Meetings special seminar on Rational Points on Varieties, January 2012.

RECENT CONFERENCES ATTENDEND

Lifting Problems and Galois Theory conference, July 2015 Banff, Canada.

P-adic Methods Conference in honor of Coleman, May 2015 UC Berkeley

AMS Eastern Sectional, March 2015 Georgetown

Young Mathematicians Conference, August 2014 at The Ohio State University

Mathematics Research Community in Summer 2013 on Complex Dynamics

MENTORSHIP

Jointly advised Michael Mudarri on his masters work. Fall 2015-ongoing.

Advised Addison Labonte on her honors thesis, and chaired her committee. Fall 2015-Spring 2016.

Advised Douglas Weathers on his masters thesis, and chaired his committee. Spring 2014-Spring 2015.

Advised at the Williams REU during Summer 2014.

PERSONAL REFERENCES

Jeffrey Lagarias (Univ. Michigan)

Michael Zieve (Univ. Michigan)

Karen Rhea (teaching) (Univ. Michigan)

Patrick Gallagher (Columbia Univ.)