Michael **Musty**

Ph.D. Candidate, Mathematics, Dartmouth College

⊚ 55 Church Street, 03779 Piermont, New Hampshire USA   ⊚ (+1) 603 728 7903

✉ michaelmusty@gmail.com   ⊕ michaelmusty.github.io   in mjmusty

Education

Ph.D. Mathematics, Dartmouth College, Hanover, New Hampshire, USA	expected 2019
M.Sc. Mathematics, University of Vermont, Burlington, Vermont, USA	2014
B.A. Mathematics/Scientific Computing, Boston College, Chestnut Hill, Massachusetts, USA	2008

Research Experience

2-Group Belyi Maps, Ph.D. Thesis   expected 2019
TODO

A Database of Belyi Maps, Co-author   2018
TODO

Understanding the cost of dermatologic care: A survey study of dermatology providers,   2017
residents, and patients, Co-author
TODO

Numerical calculation of three-point branched covers of the projective line, Co-author   2014
TODO

Computing Iwasawa λ-Invariants, M.Sc. Thesis   2014
TODO

Work Experience

Graduate Research and Teaching Assistant, Dartmouth College, Hanover, NH, USA	2014-Present
Graduate Research and Teaching Assistant, University of Vermont, Burlington, VT, USA	2012-2014
Adjunct Professor, Norwich University, Northfield, VT, USA	2011-2013
Seasonal Landscaper, JM Landscaping, Bradford, VT, USA	2000-2011
Shipping Assistant, Pleasant View Gardens, Loudon, NH, USA	2009-2010
Permanent Substitute Teacher, Merrimack Valley High School, Penacook, NH, USA	2009-2010
Graduate Research and Teaching Assistant, McGill University, Montreal, QC, Canada	2008-2009
Misc Laborer, Glen Farm, Piermont, NH, USA	1990-2000

Publications

Peer-Reviewed Articles

[Mus+19]   A Database of Belyi Maps
           Michael Musty, Sam Schiavone, Jeroen Sijsling, John Voight
           (to appear in conference proceedings for ANTS-XIII) The Open Book Series 2 (2019). Mathematical Sciences
           Publishers, 2019

[Ste+17]   Understanding the cost of dermatologic care: A survey study of dermatology providers, residents, and
           patients
           Aaron J Steen, Julianne A Mann, Valerie M Carlberg, Alexa B Kimball, Michael J Musty, Eric L Simpson
           Journal of the American Academy of Dermatology 76.4 (2017) pp. 609–617. Elsevier, 2017

[Klu+14]   Numerical calculation of three-point branched covers of the projective line
           Michael Klug, Michael Musty, Sam Schiavone, John Voight
           LMS Journal of Computation and Mathematics 17.1 (2014) pp. 379–430. London Mathematical Society, 2014

Selected Talks

[1]   2-Group Belyi Maps
       JMM Special Session on Number Theory, Arithmetic Geometry, and Computation, Baltimore, MD, January 2019

[2]   A Database of Belyi Maps
      Simons Collaboration Short Talks, Cambridge, MA, August 2018

[3]   2-Group Belyi Maps
      Quebec Maine Number Theory Seminar, October 2017

[4]   Computing Iwasawa λ-Invariants
      Dartmouth Number Theory Seminar, Hanover, NH, February 2015

Community

Dartmouth Mathematics Youth Summer Program, Guest Lecturer, Hanover, NH, USA   2016
TODO

Johns Hopkins Program for Talented Youth, Guest Lecturer, Hanover, NH, USA   2015
TODO

Joshua M. Stimson Math Program, Organizer, North Haverhill, NH, USA   2011-2012
TODO