

Huy Dinh

CONTACT INFORMATION	Huy Dinh Department of Mathematics 155 S 1400 E RM 233 Salt Lake City, UT 84112-0090	hdinh@math.utah.edu math.utah.edu/~hdinh 801-581-7653
EDUCATION	Ph.D., Applied Mathematics , University of Utah thesis advisor: Prof. Kenneth M. Golden research topics: simulations of floe scale dynamics, anomalous diffusion in sea ice, fractional diffusion equations, numerical methods for nonlocal PDEs Expected May 2020 M.S., Statistics , University of Utah advisor: Prof. Tom Alberts research Topics: fractional Brownian motion (fBM) and autoregressive integrated moving average (fARIMA), continuous time random walks (CTRWs), Hurst exponent estimation Expected August 2019 B.S., Mathematics , University of Houston minor: Physics research topics: mathematical image processing, applied algebraic topology, inverse problems, machine learning methods May 2014	
EMPLOYMENT	graduate research and teaching assistant , University of Utah undergraduate research assistant , University of Houston	August 2014–current Spring 2010–May 2014
HONORS AND AWARDS	NSF GRFP Honorable Mention Travel Award to attend Joint Mathematics Meetings Travel Award to attend PIMS Conference on the Mathematics of Sea Ice NSF GRFP Honorable Mention	2016 2016 2015 2015
SUBMITTED PUBLICATIONS	Dinh, Huy and Antil, Harbir and Chen, Yanlai and Cherkaev, Elena and Narayan, Akil (2019) <i>Model reduction for fractional elliptic problems using Kato's formula</i> , [arXiv:1904.09332].	
ATTENDED CONFERENCES	SIAM Wasatch Student Chapters Conference Joint Mathematics Meeting MRC on Differential Equations, Probability and Sea Ice PIMS Conference on the Mathematics of Sea Ice	2019 2016 2015 2015
PRESENTATIONS	"Anomalous Diffusion in Sea Ice," SIAM Wasatch Student Chapters Conference, University of Southern Utah "Eigenfaces, a Perspective on a Machine's Perspective," Applied Math Collective, University of Utah "Anomalous Diffusion in Sea Ice," Oral Qualifying Exam, University of Utah "Factorization of Functions," Applied Math Collective, University of Utah "Fractional Brownian Motion: Formulation and Applications," Applied Math Collective, University of Utah	April 2019 April 2019 February 2019 July 2018 February 2018

MENTORING

Graduate students

Rebecca Hardenbrook

Fall 2018 – Spring 2019

Sean Groathouse

Fall 2018 – Spring 2019**Undergraduate students**

Everest Fang (coadvised with Kenneth Golden)

Summer 2015PROFESSIONAL
ACTIVITIES**University of Utah SIAM Student Chapter President****Fall 2014–Summer 2018**

organized the first SIAM Wasatch Student Chapters Conference

Spring 2018

organized SIAM SC interdepartmental BBQ

Summer 2018

organized COMAP awards seminar

Spring 2016

COMPUTER SKILLS

Experience with \LaTeX , MatLab, Mathematica, HTML, Python, Git, C++, Java, Windows, Linux.TEACHING
EXPERIENCE**Teaching Assistant**, University of Utah

Math 3070, Applied Statistics I

Fall 2019

Math 3150, Partial Differential Equation for Engineers

Summer 2019

Math 1070, Introduction to Statistical Inference

Spring 2019

Math 1070, Introduction to Statistical Inference

Fall 2018

Math 3160, Applied Complex Variables

Summer 2018

Math 2250, Differential Equation and Linear Algebra (Lab)

Spring 2018

Math 1090, Business Algebra

Fall 2017

Math 3160, Applied Complex Variables

Summer 2017

Math 1060, Trigonometry

Spring 2017

Math 1090, Business Algebra

Fall 2016

Math 1090, Business Algebra

Spring 2016

Math 2210, Calculus III, TA (one guest lecture)

Fall 2015

Math 1210, Calculus I (Lab)

Spring 2015

Math 2250, Differential Equation and Linear Algebra (Lab)

Fall 2014