

MOYI TIAN

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🌐 <https://moyi-tian.wixsite.com/about>

EDUCATION

Brown University, Providence, RI *2019 - Present*
Doctoral candidate in Applied Mathematics
MS, Applied Mathematics *May 2021*

Dickinson College, Carlisle, PA *2015-2019*
B.S. in Mathematics & Physics
Honors in Mathematics, *summa cum laude*
Member of Phi Beta Kappa, Pi Mu Epsilon, Sigma Pi Sigma, and Alpha Lambda Delta

PUBLICATIONS

Articles in Press

- 2021 **M. Tian**, J.J. Bramburger, and B. Sandstede, *Snaking Bifurcations of Localized Patterns on Ring Lattices*, IMA Journal of Applied Mathematics, 2021;, hxab023, <https://doi.org/10.1093/imamat/hxab023>
- 2019 H. Mhiri, **M. Tian**, E. Wynne, S. Jones, A. Mareno, and L.Q. English, *An Experimental Survey of Chaos and Symmetry Breaking in Coupled and Driven Logistic Maps*, European Journal of Physics **40**, 2019

PRESENTATIONS

Posters

- 2021 **SIAM Conference on Applications of Dynamical Systems (DS21)** (virtual)
Snaking Bifurcations of Localized Patterns on Ring Lattices, May, 2021
- 2019 **American Physical Society March Meeting 2019**
Using an Arduino in a Coupled Logistic Map Circuit to Explore Basins of Attraction for Symmetry-broken States, Boston, MA, March, 2019

TEACHING

Experience

- Spring 2021 **Teaching Assistant**, Applied Ordinary Differential Equations, Brown University
- Fall 2020 **Teaching Assistant**, Operations Research: Deterministic Models, Brown University
- Fall 2018 **Teaching Assistant**, Single Variable Calculus, Dickinson College
- Fall 2017 **Teaching Assistant**, Introduction to Calculus, Dickinson College
- Fall 2016 **Teaching Assistant**, Single Variable Calculus, Dickinson College

Pedagogical Training

Fall 2020 **Sheridan Center Certificate I: Reflective Teaching**, Brown University
Introductory seminar in a cross-disciplinary setting that helps develop and refine fundamental, evidence-based teaching skills and strategies

Tutoring

2017 - 2019 **Quantitative Reasoning Center**, Dickinson College
Tutoring college entry-level math, physics and economics students/classes

2016 - 2019 **Math Help Room**, Dickinson College
Tutoring walk-in students from college entry-level mathematics classes

SERVICE

Mentoring

Summer 2020 **5-week Undergraduate Program in Experimental Math**, Brown University
Supervising a team of 3 undergraduate students on studying the dynamics and patterns of graphing fleas

2019 - 2020 **Brown Applied Math Undergraduate/Graduate Mentoring Program**
Mentoring an undergraduate student with regards to study plans and academic/career goals