Nan Li

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EDUCATION

University of Minnesota, Twin Cities	Sept 2022 - Present

Ph.D. in Mathematics
Advisor: Arnd Scheel

University of Minnesota, Twin Cities	Sept 2022 - May 2024

M.S. in Mathematics

University of California, Los Angeles	Sept 2020 - May 2022

B.S. in Mathematics

EXPERIENCE

University of Minnesota	Sept 2022 - Present

Teaching Assistant

Berkeley City College	Sept 2018 - May 2020

Learning Resouces Center Instructor

PUBLICATIONS AND PREPRINTS

- **Nan Li** and Arnd Scheel. *Existence and stability of anchored spiral waves in phase oscillators.* in preparation, 2024.

- Anthony Cortez, **Nan Li**, Nathan Mihm, Alice Xu, Xiaoxing Yu, and Arnd Scheel. *Instability of anchored spirals in geometric flows.* in preparation, 2024.

- **Nan Li** and Arnd Scheel. *Anchored spirals in the driven curvature flow approximation.* London Math. Soc. Lecture Note Ser., to appear, 2024. https://doi.org/10.48550/arXiv.2312.07809

- Michael A. Hill and Jiayun Meng and **Nan Li**. *Counting compatible indexing systems for C_{p^n}.* Orbita Mathematicae Vol.1, No.1, 2024. https://doi.org/10.2140/om.2024.1.37 (undergraduate research)

TALKS AND POSTER PRESENTATIONS

SIAM Conference on Applications of Dynamical Systems	May 2025
Poster	Denver, CO

Title: Anchored spirals in sharp-interface and phase oscillator models.

TEACHING AND MENTORSHIP

University of Minnesota	Sept 2022 - Present

Teaching assistant for Calculus I, Linear Algebra and Differential Equations, and Multivariable Calculus.

UMN Complex Systems REU	May 2024 - Aug 2024

Mentored undergraduate students on a research project on the transverse instability of spiral waves.

TECHNICAL SKILLS

Computer Languages	Python, MATLAB, C++
Tools & Libraries	Pytorch, Wolfram Mathematica