

Nan Li

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Education

Ph.D. in Mathematics	University of Minnesota	Advisor: Arnd Scheel	2022 - Present
M.S. in Mathematics	University of Minnesota		2022 - 2024
B.S. in Mathematics	University of California Los Angeles		2020 - 2022

Experience

Teaching Assistant	University of Minnesota	2022 - Present
Learning Resources Center Tutor	Berkeley City College	2018 - 2020

Publications

- Existence and stability of anchored spiral waves in phase oscillators 2025
Nan Li, Arnd Scheel
in preparation.
- Instability of anchored spirals in geometric flows 2025
Anthony Cortez, **Nan Li**, Nathan Mihm, Alice Xu, Xiaoxing Yu, Arnd Scheel
in preparation.
- Anchored spirals in the driven curvature flow approximation 2024
Nan Li, Arnd Scheel
London Math. Soc. Lecture Note Ser. (to appear)
- Counting compatible indexing systems for C_p^n 2024
Michael A. Hill, Jiayun Meng, **Nan Li**
Orbita Mathematicae Vol.1, No.1, 2024. (undergraduate research)

Presentations

- Poster: Anchored spirals in sharp-interface and phase oscillator models May 2025
(DS25) SIAM Conference on Applications of Dynamical Systems | Denver, CO

Teaching and Mentorship

- Teaching Assistant at University of Minnesota
 - MATH 2374: Multivariable Calculus S25, F24
 - MATH 2373: Linear Algebra and Differential Equations S24, F23
 - MATH 1031: College Algebra & Probability S23
 - MATH 1271: Calculus I F22
- Graduate Mentor for UMN Directed Reading Program Spring 2025
- Graduate Mentor for UMN Complex Systems REU Summer 2024
Project: Instability of anchored spirals.