

# Ning Tang

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## EDUCATION

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- **University of California, Berkeley** Berkeley, United States  
*PhD Candidate, Major: Mathematics, Advisor : Sung-Jin Oh* Aug. 2022 - present
- **Zhejiang University** Hangzhou, China  
*Bachelor of Science, Major: Mathematics, Chu Kochen Honors College, GPA 4.0/4.0* Sep. 2018 - Jun. 2022
- **University of California, Berkeley** Berkeley, United States  
*Exchange student(Remote), GPA 4.0/4.0* Jan. 2021 - Dec. 2021
- **Tianjin No.1 High School** Tianjin, China  
*Senior School Graduate* Sep. 2015 - July 2018

## RESEARCH

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**Stability of catenoid for the hyperbolic vanishing mean curvature equation in 4 spatial dimensions**  
arXiv:2411.08366 [math.AP]

## UNDERGRAD RESEARCH

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**Well-posedness and regularity for the fractional Navier-Stokes equations**  
arXiv:2111.00535 [math.AP]

## RESEARCH TALKS

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- Stability of catenoid for the hyperbolic vanishing mean curvature equation in 4 spatial dimensions**
- June 14, 2024 Nonlinear PDEs Summer School at UC Berkeley (Lightning Talk)
  - July 11, 2024 British Isles Graduate Workshop V - Mathematical General Relativity (Lightning Talk)
  - November 05, 2024 Harmonic Analysis and Differential Equations Seminar, UC Berkeley [Abstract]
  - February 19, 2025 Analysis and PDE Seminar, UMass Amherst

## EXPOSITORY TALKS

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- Small data global existence of nonlinear Klein-Gordon equations [Notes]** Oct. 01, 2024  
NLPDE Learning Seminar, UC Berkeley
- Mode stability for the Wave Equation on the Kerr Spacetime [Notes]** Jul. 12, 2024  
British Isles Graduate Workshop V - Mathematical General Relativity
- The  $C^0$  inextendibility of the maximal analytic Schwarzschild spacetime [Abstract] [Notes]** Apr. 30, 2024  
Harmonic Analysis and Differential Equations Seminar(HADES), UC Berkeley
- Global well-posedness of scaling critical wave maps in high dimensions [Notes]** Sep. 29, 2023  
NLPDE Learning Seminar, UC Berkeley
- Sharp integrated local energy decay estimate for the wave equation [Notes]** Mar. 03, 2023  
NLPDE Learning Seminar, UC Berkeley
- Semilinear Skyrme equation under co-rotational symmetry** Feb. 17, 2023  
NLPDE Learning Seminar, UC Berkeley

## CONFERENCE/WORKSHOP ATTENDANCE

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Jul 22 - Aug 02, 2024	<i>Mathematics of General Relativity and Fluids, Summer Graduate School 2024.</i>	Foundation for Research and Technology-Hellas, Heraklion, Crete
Jul 08 - Jul 12, 2024	<i>British Isles Graduate Workshop V - Mathematical General Relativity.</i>	Coalport
Jun 24 - Jun 27, 2024	<i>Nonlinear Waves and Fluids.</i>	University College London
Jun 12 - Jun 14, 2024	<i>Nonlinear PDEs Summer School.</i>	UC Berkeley
May 27 - May 31, 2024	<i>Paris-Saclay conference in Analysis and PDE - an occasion to celebrate Maciej Zworski's 60<sup>th</sup> birthday.</i>	Laboratoire de Mathématiques d'Orsay
Mar 13 - Mar 16, 2024	<i>Spring School on Soliton Dynamics.</i>	Texas A&M, College Station, TX
Nov 19 - Nov 24, 2023	<i>Oberwolfach Seminar: Scattering Resonances in Quantum Mechanics, General Relativity and Hyperbolic Dynamics.</i>	MFO, Oberwolfach
Jul 17 - Aug 11, 2023	<i>Mathematical Problems in Fluid Dynamics, part 2.</i>	MSRI, Berkeley, CA
May 30 - Jun 02, 2023	<i>Free Boundary Problems 2023.</i>	Columbia University, NY
Summer 2021	<i>SMS Summer School - Microlocal Analysis: Theory and applications.</i>	Zoom

## MENTORING

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<b>Directed reading program with Shreyas Sai Yemmanuru</b>	UC Berkeley
<i>Topics : Euler-Lagrange equations</i>	Fall 2023
<b>Directed reading program with Laney Saye</b>	UC Berkeley
<i>Topics : Dispersive decay of waves</i>	Fall 2024

## TEACHING

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<b>Graduate Student Instructor</b> for Math 32 Precalculus, Fall 2024	UC Berkeley
<b>Graduate Student Instructor</b> for Math 1B Calculus, Spring 2024	UC Berkeley
<b>Graduate Student Instructor</b> for Math 53 Multivariable Calculus, Fall 2023	UC Berkeley
<b>Graduate Student Instructor</b> for Math 1B Calculus, Spring 2023	UC Berkeley
<b>Reader</b> for Math 74 Transition to Upper Division Mathematics, Fall 2022	UC Berkeley
<b>Teaching Assistant</b> for Ordinary Differential Equations, Fall 2021	Zhejiang University

## HONORS, AWARDS

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<b>Final of the 12th National Mathematics Competition for College Students</b>	Jilin, China
<i>First Prize</i>	Spring 2021
<b>12th National Mathematics Competition for College Students(Provincial Level)</b>	Zhejiang, China
<i>The first place and first prize</i>	Fall 2020
<b>Chinese National Scholarship</b>	China
<i>National award for outstanding students in universities and colleges (approximately 0.1%)</i>	Fall 2019
<b>Scholarship for Top-notch Talents in Basic Subjects</b>	China
<i>Scholarship for students in Qiushi Pursuit Science Class in Chu Kochen Honors College</i>	Fall 2019, 2020, 2021
<b>Silver Medal in Chinese Mathematical Olympiad(CMO)</b>	Hangzhou, China
<i>Final round for the highest level national mathematics competition in China</i>	Fall 2017