

Chao-Ming LIN

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Interests

Differential Geometry / Complex Geometry / Geometric Analysis.

Education

Sep 2017–May 2023 (expected)

Ph.D. Candidate in Mathematics

University of California–Irvine

Advisors: [Zhiqin Lu](#) and [Xiangwen Zhang](#)

Sep 2014–July 2016

M.S. in Mathematics

National Taiwan University

Advisor: [Chung-Jun Tsai](#)

Sep 2010–May 2014

B.S. in Mathematics

National Taiwan University

Work Experience

Dec 2020–April 2021

R.A. in Mathematics

[National Center for Theoretical Sciences](#)

Advisor: [Chung-Jun Tsai](#)

Aug 2016–June 2017

R.A. in Mathematics

[National Center for Theoretical Sciences](#)

Advisor: [Chung-Jun Tsai](#)

Papers

Jan 2022

The deformed Hermitian–Yang–Mills Equation, the Positivstellensatz, and the Solvability

<https://arxiv.org/abs/2201.01438>

Dec 2020

Deformed Hermitian–Yang–Mills equation on Compact Hermi-

Invited Talks

Teaching Experience

_____ _____	Winter 2019, Summer II 2018 Math 2B Calculus
_____ _ _____	Summer I 2021, Fall 2019 Math 3A Introduction to Linear Algebra
_____ _____	Winter 2020, Summer I 2020, Summer I 2019, Spring 2019, and Fall 2018 Math 3D Elementary Differential Equations
_____ _____	Fall 2021 Math 5A Calculus for Life Sciences
_____ _____	Fall 2020 Math 5B BioCalculus
_____ _____	Fall 2020, Fall 2019 Math 118 Theory of Differential Equations
_____ _____	Winter 2022, Spring 2021, Winter 2021 Math 134B Financial Derivatives
_____ _____	Spring 2021 Math 134C Financial Models
_____ _____	Summer I 2020 Math 175 Combinatorics
_____ _____	Spring 2020 Math 205C Introduction to Graduate Analysis

Honors and Awards

_____ _____	Spring 2021 Von Neumann Outstanding Performance as a Graduate Student Award
_____ _____	Spring 2016 Phi Tau Phi Scholastic Honor

Fall 2015
Excellent TA Award
Tsai Wang-Lin Scholarship
Hu Dun-Fu Scholarship

Fall 2011
High GPA Award
Li Bung-Fung Scholarship

Last updated: January 18, 2022.