

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, 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 Hermitian Manifolds
<https://arxiv.org/abs/2012.00487>

Conference Talks

_____ I _____
Dec 2021
Recent Developments in Complex Geometry and Geometric Analysis
Canadian Mathematical Society Winter Meeting
<https://www2.cms.math.ca/Events/winter21/abs/rdc#cml>

Invited Seminar Talks

_____ I _____
Apr 2022
The Mathematics Colloquium at Rutgers-Newark
Rutgers University
<https://sites.rutgers.edu/chen-wan/colloquium/>

_____ I _____
Mar 2022
Geometric Analysis Seminar
Beijing International Center for Mathematical Research
<https://bicmr.pku.edu.cn/content/show/43-2663.html>
<https://www.math.pku.edu.cn/teachers/jianchunchu/seminar.html>

_____ I _____
Feb 2022
Geometry and Topology Seminar
McMaster University
https://www.math.mcmaster.ca/news-events/events/g-1-4r0bt9198d8j7q501kob4lbt5v_202202032030.html

_____ I _____
Oct 2021
Differential Geometry Seminar
University of California-Irvine
<https://www.math.uci.edu/node/37181>

_____ I I I _____
Mar 2021, Dec 2018, Apr 2017
NCTS Differential Geometry Seminar
National Center for Theoretical Sciences
https://ncts.ntu.edu.tw/events_1_detail.php?nid=1917
https://www.math.sinica.edu.tw/www/seminar/abstract_view.jsp?seminar_id=2689
https://140.112.36.108/events_1_detail.php?nid=889

_____ II _____
Apr 2021, Dec 2020
NCTS Postdoc Seminar on Differential Geometry
National Center for Theoretical Sciences

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

Misc Experience

_____ | June 2018–present
Treasurer of Taiwanese Graduate Student Association
University of California-Irvine

Last updated: April 10, 2022.