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, **Mathematical Research Letters**, accepted (2022)
https://arxiv.org/abs/2012.00487

Conference Talks

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

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

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

Feb 2022
Geometry and Topology Seminar
McMaster University
https://www.math.mcmaster.ca/news-events/events/g-1-4r0bt91
98d8j7q501kob4lbt5v_202202032030.html

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

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

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: July 04, 2022.