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	е
	Nov 2022–Dec 2022, Dec 2020–April 2021 Visitor 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	
	Sep 2022 On the Convexity of General Inverse σ_k Equations https://arxiv.org/abs/2209.11370
	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)
O (T. II	https://arxiv.org/abs/2012.00487
Conference Talk	
	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
	Dec 2022, Nov 2022, 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=2389

	Math 3A Introduction to Linear Algebra
	Teaching Assistant
	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
	Spring 2022, 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
L_	Spring 2021 Math 134C Financial Models
	Summer I 2022, Summer I 2020 Math 175 Combinatorics

L	Spring 2020
	Math 205C Introduction to Graduate Analysis
Honors and Awa	ards
	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	Э
	June 2018-present Treasurer of Taiwanese Graduate Student Association University of California, Irvine

Last updated: December 19, 2022.