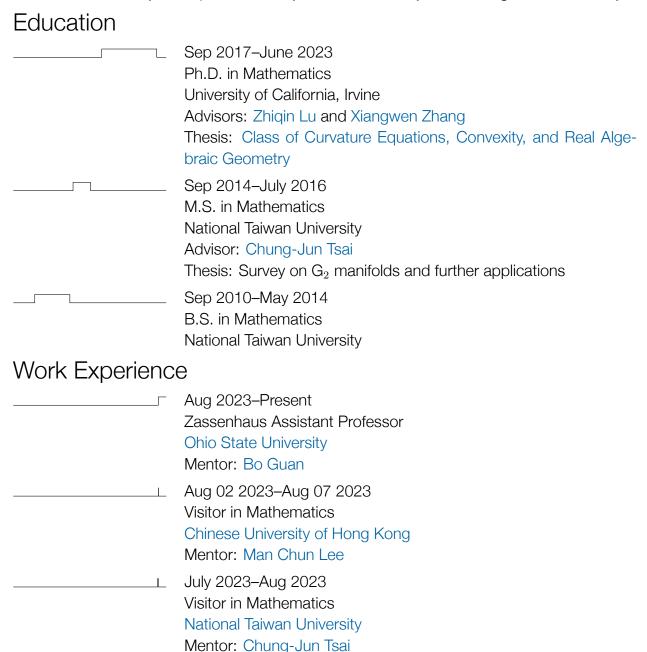
Chao-Ming LIN

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Interests

Differential Geometry / Complex Geometry / Geometric Analysis / Real Algebraic Geometry.



	Nov 2022–Dec 2022, Dec 2020–April 2021 Visitor in Mathematics
	National Center for Theoretical Sciences Mentor: Chung-Jun Tsai
	Aug 2016–June 2017 R.A. in Mathematics
	National Center for Theoretical Sciences Mentor: Chung-Jun Tsai
Papers	
<u>I</u>	Sep 2022 On the Convexity of General Inverse σ_k Equations Journal of Functional Analysis, 2023
	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) https://arxiv.org/abs/2012.00487
Conference Talk	S
	Jul 2023
	Recent Progress in special Lagrangian Equations and deformed Hermitian–Yang–Mills Equation National Center for Theoretical Sciences
	https://ncts.ntu.edu.tw/events_2_detail.php?nid=404&fbclid=lwAR3G7E03LkoHbTDJ0vANOzckpibCvn8ZU0s237Gkmwypyv8jEbwoTLPkvwM
	Dec 2021 Recent Developments in Complex Geometry and Geometric Analysis Canadian Mathematical Society Winter Meeting
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Invited Seminar	Talks
	May 2023 Differential Geometry Seminar Ohio State University https://math.osu.edu/events/convexity-general-inverse-sigmak-e quations-and-some-applications
	April 2023 UCR Geometry-Topology seminar University of California, Riverside https://sites.google.com/view/brian-collier/ucr-geometry-topolog y-seminar
	Feb 2023 Algebraic Geometry in String Theory Seminar Center of Mathematical Sciences and Applications at Harvard University https://cmsa.fas.harvard.edu/event/agst-22423/
	Feb 2023 Informal Complex Geometry and PDE Seminar Columbia University http://math.columbia.edu/~kjs/seminar
	Jan 2023 Joint Geometric Analysis Seminar Chinese University of Hong Kong https://www.math.cuhk.edu.hk/seminars/convexity-general-inver se-k-equations-and-some-applications
<u> </u>	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 https://ncts.ntu.edu.tw/events_1_detail.php?nid=2367
	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 Experi	ence
	Lecturer
	Summer II 2022
	Math 3A Introduction to Linear Algebra
	Teaching Assistant
I	Spring 2023
	Math 2A Calculus
II	Winter 2019, Summer II 2018
	Math 2B Calculus
1 1	Summer I 2021, Fall 2019
	Math 3A Introduction to Linear Algebra
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	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
	Spring 2023, Spring 2021
	Math 134C Financial Models
	Summer I 2022, Summer I 2020
	Math 175 Combinatorics
	Spring 2020
	Math 205C Introduction to Graduate Analysis
Honors and Aw	ards
	Spring 2021
	Von Neumann Outstanding Performance as a Graduate Student Award
ı	Spring 2016
	Phi Tau Phi Scholastic Honor
I	Fall 2015
	Excellent TA Award
	Tsai Wang-Lin Scholarship
	Hu Dun-Fu Scholarship
	Fall 2011
	High GPA Award
	Li Bung-Fung Scholarship
Misc Experience	9
	June 2018–April 2023
	Treasurer of Taiwanese Graduate Student Association

University of California, Irvine

Last updated: August 19, 2023.