



JIALIANG LIN

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lindao.life

EDUCATION

Ph.D. Student <i>Mathematics</i> Fudan University	Aug. 2022 – Now Shanghai, China
Bachelor of Science <i>Mathematics and Applied Mathematics</i> Peking University	Aug. 2018 – Jul. 2022 Beijing, China

HONORS AND AWARDS

Master's Excellent Academic Scholarship(First Class) Fudan University	2023 – 2024
Master's Annual Academic Scholarship Fudan University	2022 – 2023
Master's Excellent Academic Scholarship Fudan University	2022 – 2023
Excellent Graduate School of Mathematical Sciences, Peking University	Jun. 2022
Award for Contribution in Student Organizations Peking University	Dec. 2020
1/2002 Dream Scholarship School of Mathematical Sciences, Peking University	Dec. 2020
Award for Academic Excellents Peking University	Dec. 2019
The Third Prize of Peking University Scholarship Peking University	Dec. 2019

TEACHING EXPERIENCE

Teaching Assistant for Functions of Complex Variable(for Talent Program) [MATH130006]	Fall 2024 Fudan University
Teaching Assistant for Functions of Real Variable [MATH130007.02]	Spring 2024 Fudan University
Teaching Assistant for Functional Analysis [MATH130011.01]	Fall 2023 Fudan University
Teaching Assistant for Mathematical Analysis I (for Talent Program) [MATH130154]	Fall 2022 Fudan University

RESEARCH

Toeplitz Operators on S^1 and Their Fredholm Index <i>Undergraduate Thesis</i> Advisor: Prof.Guoliang Yu(Fudan University & TAMU)	2021 – 2022 Academic Year Peking University
Applications of NCG in Complex Deformation Theory <i>Undergraduate Research</i> Advisor: Prof.Huijun Fan(Peking University)	2020 – 2021 Academic Year Peking University

CONFERENCES AND SEMINARS

C^*-Algebraic Quantum Mechanics and Topological Phases of Matter University of Colorado Boulder	2024.07.29 – 2024.08.02
Summer School on Operator Algebras and Operator Theory SMS, Hebei Normal University	2024.07.15 – 2024.07.26
2024 Shanghai Geometric Group Theory Workshop SCMS, Fudan University	2024.07.08 – 2024.07.12
International Workshop on Algebraic Topology 2024 SCMS, Fudan University	2024.07.02 – 2024.07.06
IWoAT Summer School 2024: Motivic Stable Homotopy Theory SCMS, Fudan University	2024.06.23 – 2024.06.27
2024 Conference on Noncommutative Geometry Tianyuan Mathematics Research Center	2024.01.28 – 2024.02.03
East Asian Core Doctoral Forum on Mathematics 2023 SMS, Fudan University	2024.01.07 – 2024.01.12
The 2023 Annual International Congress of Chinese Mathematicians SIMIS, Fudan University	2024.01.02 – 2024.01.05
International Workshop on Algebraic Topology 2023 Winter School SUSTech	2023.12.18 – 2023.12.24
Young Scholars in Noncommutative Geometry and Operator Algebras SCMS, Fudan University	2023.10.21 – 2023.10.22
IWoAT Summer School 2023: Operads, Spectra, and Multiplicative Structures BIMSA	2023.08.14 – 2023.08.19
2023 SCMS Geometric Group Theory Workshop SCMS, Fudan University	2023.08.07 – 2023.08.11
Special Week on Operator Algebras 2023 RCOA, East China Normal University	2023.07.31 – 2023.08.04
International Workshop on Algebraic Topology 2023 BICMR, Peking University	2023.07.24 – 2023.07.28
Fudan University Algebraic Geometry Summer School SCMS, Fudan University	2023.07.10 – 2023.07.21
Concerto in Quantum K Theory IASM, Zhejiang University	2023.07.05 – 2023.07.06
Surgery on positive scalar curvature I, II, III, IV SCMS, Fudan University	Spring 2023
Seminar on Operator Algebras SMS, Fudan University	2022.09 – Now Mentor: Prof.Chen Xiaoman and Prof.Yao Yi-Jun
Seminar on Fudan Topological Library SCMS, Fudan University	2023.09 – Now Mentor: Prof.Wang Guozhen
Seminar on Spectral Theory SCMS, Fudan University	2023.09 – 2024.01 Mentor: Prof.Chen Xi and Prof.He Danqing
Seminar on Non-commutative Differential Geometry SMS, Fudan University	2024.02 – Now Mentor: Prof.Yao Yi-Jun
Co-Organizer and Speaker of Student Seminar on Cyclic Homology SMS, Fudan University	Winter 2023

Co-Organizer of Student Seminar on K-Theory SMS, Fudan University	Fall 2023
Co-Organizer of Student Seminar on Differential Forms in Algebraic Topology SMS, Fudan University	2023.07 – 2023.11
Co-Organizer and Speaker of Student Seminar on Homological Algebra SMS, Fudan University	2023.01 – 2023.11

TALKS

Paring Between K-groups and Cyclic Cohomology Groups Seminar on Non-commutative Differential Geometry	2024.06.10 Fudan University
Homomorphisms from K-groups to Cyclic Homology Groups Seminar on Cyclic Homology	2024.02.05 Fudan University
Unbounded Operators Seminar on Spectral Theory	2023.12.14 Fudan University
Poincaré Inequality Seminar on Operator Algebras	2023.12.07 Fudan University
Terminology and Leray-Serre Spectral Sequence Student Seminar on Spectral Sequence	2023.03.28, 2023.04.11 Fudan University
Introduction and history of Spectral Sequence Student Seminar on Spectral Sequence	2023.03.21 Fudan University

WORK EXPERIENCE

Secretary of Youth League Branch School of Mathematical Sciences, Peking University	Sep. 2018 – Jul. 2022
Vice Minister of Practice Department School of Mathematical Sciences Student Union, Peking University	Mar. 2019 – Jun. 2020
Secretary of Youth League School School of Mathematical Sciences, Peking University	Sep. 2020 – Jun. 2021
Organizer of Four Social Practice Activities School of Mathematical Sciences, Peking University	Sep. 2018 – Jun. 2021

SKILLS

English: CET-6(521), CET-4(593)

Programming: C, MATLAB

Document Creation: Microsoft Office Suite, LaTeX, Markdown, Photoshop, Illustrator