Shin Kim

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Education

2021–2026 **Ph.D. in Mathematics**, *University of Illinois Chicago*
Advisor: Julius Ross

2018–2019 **M.S. in Physical Sciences**, *University of Chicago*
Advisor: Aaron Brown
Thesis: Dynamics and Littlewood's Conjecture

2014–2018 **B.S. in Mathematics**, *University of Chicago*, Chicago

Reseach Interests

Complex Geometry, Kähler Geometry, Bergman Kernel Asymptotics

Preprints

Higher Rank Bergman Kernels on Compact Riemann Surfaces, arXiv:2505.12241

Talks

May 2, 2025 **Seoul National University Complex Geometry Seminar (online)**
Higher Rank Bergman Kernels on Compact Riemann Surfaces

Teaching Experience

Instructor

Fall 2024 **Math 088: Intermediate Algebra Workshop**

Teaching Assistant

Fall 2025 **Math 220: Differential Equations**
Summer 2025 **Math 108: Intermediate Algebraic Concepts**
Spring 2025 **Math 105: Mathematical Reasoning**
Spring 2024 **Math 181: Calculus 2**
Fall 2023 **Math 210: Calculus 3**
Summer 2023 **Math 180: Calculus 1**
Spring 2023 **Math 181: Calculus 2**
Fall 2022 **Math 220: Differential Equations**
Summer 2022 **Math 165: Calculus for Business**
Spring 2022 **Math 125: Elementary Linear Algebra for Business**
Fall 2021 **Math 125: Elementary Linear Algebra for Business**