

Harahm Park

harahmpark@math.ucla.edu

Education

University of California Los Angeles
PhD Student
Advisor: Ko Honda

Sep 2023 – Present

University of Oxford
MMath (Integrated Master's)
Parts A & B: First Class
Part C: Distinction

Oct 2019 – June 2023

Research Interests

Low-dimensional topology, contact topology

Publications & Preprints

Open book decompositions with page a four-punctured sphere, Preprint, [arXiv:2601.11871](https://arxiv.org/abs/2601.11871)

Papers & Preprints

Horn–Moez Prize June 2024
UCLA prize for high academic achievements and superior results on the qualifying exam for first year graduate studies

Matthew Taylor Prize Feb 2021
Top prize at Magdalen College for undergraduates studying science

Service

2026 Winter UCLA Participating Topology Seminar Jan 2026 – Present
Organized a participating seminar on Vassiliev knot invariants, clasper surgery, and Watanabe's disproof of the 4-dimensional Smale conjecture.

Cerf Theory Reading Group Jan 2026 – Present
Organized a small reading group with other graduate students on *Pseudo-isotopies of compact manifolds* by Hatcher & Wagoner.

Knot Theory Reading Group (Undergraduate Mentoring) Oct & Nov 2025
Read Chapters 1–3 of *Knots and Links* by Rolfsen with undergraduate student Ari Archer.

Hyperbolic Geometry Reading Group Feb & March 2025
Organized a small reading group with other graduate students on chapters 1–3 of *Three-Dimensional Geometry and Topology* by Thurston.

Morse Theory Reading Group (Undergraduate Mentoring) July – Sep 2024
Read chapters 1–5 of *Morse Theory* by Milnor and Part I of *Morse Theory and Floer Homology* by Audin & Damian with undergraduate students Menghan Wang and German Flores.

Characteristic Classes Reading Group Jan – March 2024
Organized a small reading group with other graduate students on chapters 1–11 of *Characteristic Classes* by Milnor & Stasheff.

Teaching Experience

UCLA Teaching Assistant

Math 31B, Integration and Infinite Series
Math 32A, Calculus of Several Variables

Spring 2025, Winter 2026
Fall 2023

Math 115AH, Honors Linear Algebra
Math 120A, Differential Geometry
Math 225A, Smooth Manifolds
Math 225B, Differential Topology
Math 225C, Algebraic Topology

Fall 2025
Winter 2024
Fall 2024
Winter 2025
Spring 2024