

Curriculum Vitae

Kaiqi Yang

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Education

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|---|---|
| New York University | 2018.9-2023.5 |
| <i>Doctor of Philosophy in Mathematics</i> | <i>New York City, New York, United States</i> |
| New York University | 2016.9-2018.5 |
| <i>Master of Science in Mathematics</i> | <i>New York City, New York, United States</i> |
| Hong Kong University of Science and Technology | 2012.9-2016.5 |
| <i>Bachelor of Science in Mathematics</i> | <i>Clear Water Bay, Kowloon, Hong Kong, China</i> |

Employment

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| Institute of the Mathematical Sciences of the Americas(IMSA) | 2023.8-Now |
| <i>Research Assistant Professor</i> | <i>Miami, Florida, United States</i> |

Awards & Honors

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| First Class Honors | |
| <i>Hong Kong University of Science and Technology</i> | 2016 |
| Math Master's Thesis Prize | |
| <i>New York University</i> | 2017 |

Languages

Languages: Chinese (Native), English (Fluent)
Computer languages: Magma, Matlab, Python

Publications

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1. Potentially stably rational del Pezzo surfaces over nonclosed fields, (with Yuri Tschinkel),
Combinatorial and Additive Number Theory III, ed. M. Nathanson, Springer, 227-233, (2020).
 2. Combinatorial Burnside groups, (with Yuri Tschinkel and Zhijia Zhang),
Research in Number Theory volume 8, Article number: 33 (2022).
 3. Equivariant birational geometry of linear actions, (with Yuri Tschinkel and Zhijia Zhang),
EMS Surv. Math. Sci. 11 (2024), no. 2, pp. 235–276 (2024).
 4. Potentially stably rational conic bundles,
<https://arxiv.org/abs/2410.21436v1> (2024)
 5. Computation of Burnside symbols of toric variety, in preparation

Conferences and Talks

1. MPS Conference on Number Theory, Geometry, Moonshine and Strings III,
Simons Foundation, February 27-March 1, 2019.
2. Simons Collaboration on Arithmetic Geometry, Number Theory and Computation Annual Meeting,
Simons Foundation, January 9-10, 2020.
3. Simons Collaboration on Arithmetic Geometry, Number Theory, and Computation Annual Meeting,
Zoom online, January 13 - 14, 2022.
4. MPS Conference on Higher Dimensional Geometry,
Simons Foundation, October 24 - 28, 2022.
5. Simons Collaboration on Arithmetic Geometry, Number Theory and Computation Annual Meeting,
Simons Foundation, January 11-12, 2023.
6. Higher Invariants in Equivariant and Geometric Topology,
University of Miami, May 24-27, 2023.
7. Birational Invariants for singular Fano variety over algebraically non-closed field, IMSA,
September 26, 2023
8. MPS Conference on Arithmetic Geometry, Group Actions and Rationality Problems,
Simons Foundation, May 29-31, 2024

Teaching

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|------|---|
| 2016 | Fall: MATH-UA.0211-014 Math For Economics (Teaching assistant) |
| 2017 | Spring: MATH-UA.0349-002 Honors Algebra II (Teaching assistant and Grader) |
| 2018 | Spring: MATH-UA.0240-001 Combinatorics (Grader) |
| 2020 | Spring: MATH-GA 2210.001 Introduction to Number Theory I (Grader) Fall: MATH-GA 2310.001 Topology (Grader) |

2021 Spring:
 MATH-GA.2110-001 Linear Algebra I (Grader),
 MATH-GA.2210-001 Introduction To Number Theory I (Grader)
 Fall:
 MATH-GA 2130.001 Algebra I (Grader),
 MATH-GA 2310.001 Topology (Grader)

2022 Spring:
 MATH-GA 2140.001 Algebra II (Grader),
 MATH-GA 2210.001 Introduction to Number Theory I (Grader)
 Fall:
 MATH-GA 2111.001 Linear Algebra (Grader),
 MATH-GA 2350.001 Differential Geometry I (Grader)

2023 Fall
 MTH 161 Calculus I