

Curriculum Vitae

Kaiqi Yang

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Education

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

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

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, submitted to Arxiv (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