

# CURRICULUM VITAE

MINSEONG KWON (권민성)

## CONTACT INFORMATION

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## RESEARCH INTERESTS

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Complex geometry, Lie theory and algebraic geometry, mainly

- twistor spaces of quaternionic Kähler manifolds;
- rational curves in algebraic varieties;
- algebraic varieties with large symmetry, e.g. spherical varieties.

## EDUCATIONS

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**KAIST, Korea**

Mar. 2019–Present

*M.S. & Ph.D. integrated program in Mathematical Sciences*

**KAIST, Korea**

Mar. 2014–Feb. 2019

*B.S. in Mathematical Sciences*

## ADDITIONAL EXPERIENCES

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**Center for Complex Geometry in IBS, Korea**

Sep. 2020–Present

*Student Research Assistant*

**Tokyo Institute of Technology, Japan**

July 2019–Sep. 2019

*Exchange student*

**Technical University of Denmark, Denmark**

Feb. 2017–June 2017

*Exchange student*

## TEACHING

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### KAIST, Korea

Mar. 2019–Present

#### *Teaching Assistant*

- Calculus (MAS101, MAS102): Spring 2019, Fall 2020, Spring 2021 (vice-head TA), Spring 2022
- Introduction to Linear Algebra (MAS109): Fall 2019, Fall 2021
- Linear Algebra (MAS212): Fall 2019
- Modern Algebra I (MAS311): Spring 2023
- Introduction to Differential Geometry (MAS321): Fall 2020, Fall 2021, Fall 2023
- Introduction to Algebraic Geometry (MAS411): Fall 2022

## PUBLICATIONS

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### Published

### Accepted

### Preprints

- (1) *Spherical Geometry of Hilbert Schemes of Conics in Adjoint Varieties* 2023  
arXiv:2309.13935

## PRESENTATIONS

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### Conference Talks and Seminars

- (3) *Complex Geometry Arising from Quaternionic Kähler Manifolds* Nov. 2, 2023  
KMGS (Graduate Student Seminar), KAIST, Korea
- (2) *Spherical geometry of Hilbert schemes of conics in adjoint varieties* Oct., 2023  
Special Session in *2023 KMS Annual Meeting* (Oct. 26–28), Seoul National University, Korea
- (1) *Spherical Geometry of Hilbert Schemes of Conics in Adjoint Varieties* Aug. 7, 2023  
Complex Geometry Seminar, IBS, Korea

### Poster Presentations and Speed Talks

- (2) *Spherical Geometry of Spaces of Conics in Adjoint Varieties* Sep. 12, 2023  
Poster Session in *A Journey through Algebraic and Complex Geometry* (Sep. 11–15), Buyeo, Korea
- (1) *Rational Curves in Adjoint Varieties* May 31, 2023  
Speed Talk in *Exploring Algebraic Geometry & Topology* (May 30–June 1), Yangpyeong, Korea

## AWARDS

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Best TA Award for Fall 2021, Dept. of Mathematical Sciences in KAIST

Jan. 2022