

CURRICULUM VITAE

MINSEONG KWON (권민성)

CONTACT INFORMATION

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RESEARCH INTERESTS

Complex geometry, Lie theory and algebraic geometry, mainly

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

EDUCATIONS

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

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

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

Published

Accepted

Preprints

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

PRESENTATIONS

Conference Talks and Seminars

- (7) *Deformation of Twistor Conics in Homogeneous Fano Contact Manifolds* Aug. 6, 2024
Young Mathematician Workshop on Several Complex Variables 2024 (Aug. 5-8), Osaka, Japan
- (6) *Spherical Varieties Parametrizing Conics in Adjoint Varieties* July 4, 2024
KWMS summer school 1 – Complex Geometry and related topics (July 2-5), KIAS, Seoul, Korea
- (5) *Spherical Geometry of Hilbert Schemes of Conics in Adjoint Varieties* Apr. 15, 2024
Workshop on Geometry of Homogeneous Varieties (Apr. 15-18), IBS Center for Complex Geometry, Daejeon, Korea
- (4) *Spherical geometry of Hilbert schemes of conics in adjoint varieties* Feb. 15, 2024
Workshop on Fano spherical varieties (Feb. 14-17), Gyeongsang National University, Jinju, Korea
- (3) *Complex Geometry Arising from Quaternionic Kähler Manifolds* Nov. 2, 2023
KMGS (Graduate Student Seminar), KAIST, Daejeon, Korea

- (2) *Spherical geometry of Hilbert schemes of conics in adjoint varieties* Oct. 27, 2023
Special Session in *2023 KMS Annual Meeting* (Oct. 26-28), Seoul National University, Seoul, Korea
- (1) *Spherical Geometry of Hilbert Schemes of Conics in Adjoint Varieties* Aug. 7, 2023
IBS Center for Complex Geometry, Daejeon, Korea

Poster Presentations and Speed Talks

- (3) *Spherical geometry of Hilbert schemes of conics in adjoint varieties* Jan. 16, 2024
5-minute Talk in *Workshop on Torus Actions in Symplectic and Algebraic Geometry* (Jan. 15-19), IBS Center for Complex Geometry, Daejeon, Korea
- (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

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

Jan. 2022