Hyuk Jun Kweon

CONTACT INFORMATION	452 Boyd Research and Education Center. 2-174 Athens, GA 30602, USA	+1-857-999-1251 kweon@uga.edu

EMPLOYMENT

University of Georgia, Athens, GA

Limited Term Assistant Professor	Aug. 2022 - Current

Massachusetts Institute of Technology, Cambridge, MA

Research Specialist Limited (One-year bridge postdoc)	Aug. 2021 - Jul. 2022

National Institute for Mathematical Sciences, Daejeon, South Korea

Technical Research Personnel	Mar. 2015 - Apr. 2018

- Alternative military service
- Managing a SageMath notebook server
- Providing mathematical outreach programs

EDUCATION

Massachusetts Institute of Technology, Cambridge, MA

Ph.D. in Mathematics	Sep. 2012 - Aug. 2014 Sep. 2018 - Jun. 2021

Advisor: Bjorn Poonen
(Leave of absence is due to compulsory military service)

Pohang University of Science and Technology, Pohang, South Korea

B.S. in Mathematics B.S. in Computer Science and Engineering	Mar. 2008 - Feb. 2012

- Double Major
- Summa Cum Laude

PUBLICATION

Bounds on the Torsion Subgroup Schemes of Néron-Severi Group Schemes, *Advances in Mathematics, to appear*

Bounds on the Torsion Subgroups of Néron-Severi Groups, *Trans. Amer. Math. Soc. 374 (2021), pp. 351-365.*

Overlap of convex polytopes under rigid motion (with Hee-Kap Ahn; Siu-Wing Cheng and Juyoung Yon); *Computational Geometry* 47, no. 1 (2014): 15-24

TEACHING

Vector Calculus (18.02) Recitation Leader, Massachusetts Institute of Technology	Feb. 2022 - May. 2022
Calculus (18.01A/18.02A) Recitation Leader, Massachusetts Institute of Technology	Sep. 2021 - Dec. 2021
Calculus of Several Variables (18.022) Recitation Leader, Massachusetts Institute of Technology	Sep. 2019 - Dec. 2019
Differential Equations (MATH200) Recitation Leader, Pohang University of Science and Technology	Mar. 2012 - Jun. 2012

Complex Variables (MATH310) Recitation Leader, Pohang University of Science and TechnologytbfBounds on the Torsion Subgroups of Néron-Severi Groups Dec. 2021

Rᴇsᴇᴀʀᴄʜ Tᴀʟᴋs	Junior Number Theory Days 2021	Dec. 2021
	2021 Korean Mathematical Society Annual Meeting	Oct. 2021
	Ohio State Number Theory Seminar, Ohio State University	Mar. 2021
	AMS Special Session, Spring Eastern Sectional Meeting, Brown University	Mar. 2021
	Binghamton Arithmetic Seminar, Binghamton University	Mar. 2021
	~~AMS Special Session, Spring Eastern Sectional Meeting, Tufts University~~ (Canceled due to COVID-19)	Mar. 2020
	Korea Institute for Advanced Study	Jan. 2020

Exᴘᴏsɪᴛᴏʀʏ Tᴀʟᴋs	**Alterations** STAGE, Massachusetts Institute of Technology	Nov. 2020
	Formal Groups as Functors STAGE, Massachusetts Institute of Technology	Sep. 2019
	Division by 2 on Hyperelliptic Curves Preprint Seminar, Massachusetts Institute of Technology	Dec. 2018
	Review of Étale Cohomology STAGE, Massachusetts Institute of Technology	Sep. 2018
	On the Fary-Milnor theorem, following the existing literatures SCV Seminar, Pohang University of Science and Technology	Nov. 2010

Aᴄᴀᴅᴇᴍɪᴄ Sᴇʀᴠɪᴄᴇ	Co-organizer of STAGE (Seminar on Topics in Arithmetic, Geometry, Etc.), MIT	Fall 2021
	Co-organizer of STAGE (Seminar on Topics in Arithmetic, Geometry, Etc.), MIT	Fall 2020

Aᴡᴀʀᴅs ᴀɴᴅ Hᴏɴᴏʀs	Scholarship for Doctoral Study, Samsung Foundation	Sep. 2012 - Jun. 2021
	Scholarship, STX Foundation	Mar. 2011 - Feb. 2012
	Governmental Scholarship, Korea Student Aid Foundation	Mar. 2008 - Feb. 2011
	6th Place, ACM-ICPC Korea Regional Programming Contest	Nov. 2010
	4th Place, ACM-ICPC Korea Regional Programming Contest	Nov. 2009
	5th Place, ACM-ICPC Korea Regional Programming Contest	Nov. 2008