

Hyuk Jun Kweon

CONTACT INFORMATION	Simons Building (Building 2), Room 2-239A 77 Massachusetts Avenue, Cambridge, MA 02139, USA	+1-857-999-1251 kweon@mit.edu
EMPLOYMENT	Massachusetts Institute of Technology , Cambridge, MA	
	Research Specialist Limited – MIT Doctoral (One-year bridge postdoc)	Aug. 2021 - May. 2021
	National Institute for Mathematical Sciences , Daejeon, South Korea	
	Technical Research Personnel	Mar. 2015 - Apr. 2018
	<ul style="list-style-type: none">• 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
	<ul style="list-style-type: none">• Double Major• Summa Cum Laude	
PUBLICATION	Bounds on the Torsion Subgroup Schemes of Néron-Severi Group Schemes, Submitted Bounds on the Torsion Subgroups of Néron-Severi Groups, <i>Trans. Amer. Math. Soc.</i> 374 (2021), pp. 351-365. Overlap of convex polytopes under rigid motion (with Hee-Kap Ahn; Siu-Wing Cheng and Juyoung Yon); <i>Computational Geometry</i> 47, no. 1 (2014): 15-24	
TEACHING	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 Technology	Mar. 2011 - Jun. 2011
RESEARCH TALKS	Bounds on the Torsion Subgroups of Néron-Severi Groups 2021 Korean Mathematical Society Annual Meeting	Oct. 2021
	Bounds on the Torsion Subgroups of Néron-Severi Groups Ohio State Number Theory Seminar, Ohio State University	Mar. 2021
	Bounds on the Torsion Subgroups of Néron-Severi Groups AMS Special Session, Spring Eastern Sectional Meeting, Brown University	Mar. 2021

	Bounds on the Torsion Subgroups of Néron-Severi Groups Binghamton Arithmetic Seminar, Binghamton University	Mar. 2021
	Bounds on the Torsion Subgroups of Néron-Severi Groups AMS Special Session, Spring Eastern Sectional Meeting, Tufts University (Canceled due to COVID-19)	Mar. 2020
	Bounds on the Torsion Subgroups of Néron-Severi Groups Korea Institute for Advanced Study	Jan. 2020
EXPOSITORY TALKS	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
ACADEMIC SERVICE	Co-organizer of STAGE (Seminar on Topics in Arithmetic, Geometry, Etc.), MIT	Fall 2021
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AWARDS AND HONORS	Scholarship for Doctoral Study, Samsung Foundation	Sep. 2012 - Current
	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