Hanul Jeon

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Education

Ph.D.	**Mathematics**
Cornell University, Advisor: Justin Moore	*Aug 2021 –*
M.Sc.	**Mathematics**
Seoul National University, Advisor: Otto van Koert	*Mar 2017 – Feb 2021*
Thesis: *Constructive Ackermann's interpretation*	
B.Sc.	**Mathematics**
Sunkyunkwan University	*Mar 2013 – Feb 2017*

Experience

Republic of Korea Air Force	
Compulsory military service	*Aug 2017 – Jul 2019*

Publications

[1] Kinkar Ch Das, Han-ul Jeon, and Nenad Trinajstić. "Comparison between the Wiener index and the Zagreb indices and the eccentric connectivity index for trees". In: *Discrete Applied Mathematics* 171 (2014), pp. 35–41.

[2] Hanul Jeon. "Constructive Ackermann's interpretation". In: *Annals of Pure and Applied Logic* 173.5 (2022), p. 103086.

[3] Hanul Jeon and Richard Matthews. *Very large set axioms over constructive set theories*. 2022. arXiv: 2204.05831 [math.LO].

Teaching Experiences

Grader	
Mathematical Logic	*Fall 2022*
Tutor	
Sublime Learning Community Tutoring	*Spring, Summer, Fall 2020*
Covered Mathematics and its practice (Spring 2020) and Mathematics for biological scientists (Summer 2020, Fall 2020).	
Grader	
Mathematics for ecologists	*Fall 2020*
Teaching Assistant and Grader	
Advanced Mathematics and its practice II.	*Fall 2020*
Equivalent to Multivariable Calculus Honors. Managed students' presentation.	
Teaching Assistant and Grader	
Logic and Set theory	*Spring 2020*
Teaching Assistant and Grader	
Mathematics and its practice II.	*Fall 2019, Summer 2020, Winter 2020*
Equivalent to Multivariable Calculus. Managed an exercise course.	
Teaching Assistant and Grader	
Mathematics and its practice I.	*Spring 2017, Spring 2019*
Equivalent to Calculus. Managed an exercise course.	
Tutor	
Sunkyun Tutoring for Advanced Algebra	*Spring 2016*
Covered Chapters 4 and 5 of Hungerford's *Algebra*	

Grants and Fellowships

The National Scholarship for Science and Engineering: *Mar 2013 - Dec 2016*

Talks

An anti-classification theorem for ergodic measure preserving transformations   **Cornell University**
Cornell Logic Seminar   *Nov 2022*

Very large set axioms over constructive set theories   **Cornell University**
Cornell Logic Seminar   *Apr 2022*

Consequences of the axiom of choice   **Cornell University**
Olivetti Club   *Mar 2022*

Goodstein's theorem   **Seoul National University**
Madmathematics Seminar   *Oct 2016*

What is forcing?   **Seoul National University**
Madmathematics Seminar   *Nov 2015*

A Short introduction to mathematical logic   **Sogang University**
Madmathematics Seminar   *Jan 2014*