

Curriculum Vitae

Koji Sunami

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I am a 3rd year graduate student (PhD candidate) of math department of Kansas State University. My major is mirror symmetry, and my minor Lie algebra.

Education

- Kansas State University, Ph.D. (Jan 2021 – Dec 2026)

Talk and Experience

- CFT Langlands (May 2023, Lie algebra final)
- Geometric Langlands Program (Dec 2022, KU/KSU talk)
- Toric Variety for Mirror Symmetry (Oct 2022, Junior M-seminar Talk)
- Number Theory With a View Toward Algebraic Geometry (Oct 2022, GSS talk)
- Toric Variety for Mirror Symmetry (Sep 2022, GSS talk)
- Tropical Geometry (Aug 2022, MSRI Summer School)
- Semisimple Lie algebra and Dynkin Diagram (Apr 2022, KU/KSU talk)
- DG-category (Oct 2021, Junior M-seminar talk)
- Brown Representability Theorem (Dec 2019, UCSC Senior Thesis)
- Prime Number Theorem (May 2018, Foothill College – Research Symposium)

Coursework

Spring 2021	771 Intro Top/Geom II	723 C Analysis	817 Alg Geom II
Fall 2021	812 Hom Alg I	881 Diff Top	991 Topic Algebra
Spring 2022	813 Hom Alg II	882 Diff Geom	830 Alg Num
Fall 2022	814 Lie Rep	991A Topic Alg	991B Topic Alg
Spring 2023	815 Lie Rep II	876 Alg Top II	999 Research
Fall 2023	995 Topic/Geometry	997 Topic/Number Theory	999 Research

Teaching

Spring 2021	220 Calc I (rec)	
Fall 2021	220 Calc I (rec)	
Spring 2022	221 Calc II (rec)	
Summer 2022	340 Diffyq (grader)	
Fall 2022	100 College Algebra Studio (rec)	
Spring 2023	221 Calc II (rec)	
Summer 2023	100 College Algebra Online Traditional (grader)	

Other Ability

Language(fluent) English, Japanese

Language(beginner) Arabic, Chinese, French, German, Hebrew, Russian, Spanish

Hobby Philosophy and Science

Link

<https://kojisunami.github.io/index.html>(My Official Website)