

Frenly Espino

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SUMMARY

I am a second year PhD student at The University of Pennsylvania under the supervision of Ron Donagi. I'm interested in all mathematical physics, but I'm currently primarily interested in enumerative geometry, topological quantum field theories, and string theory.

EDUCATION

2022 - present PhD in Mathematics at **University of Pennsylvania**
2018 - 2022 Bachelor of Arts at **University of California, Berkeley**

RESEARCH

Borisov, Nikita et al. (2023). " \mathbb{A}^1 -Brouwer degrees in Macaulay2". In: arXiv: [2312.00106](https://arxiv.org/abs/2312.00106) [[math.AG](https://arxiv.org/abs/2312.00106)].
Currently in the revisions process; to be published in the *Journal of Software for Algebra and Geometry*.

TEACHING

Teaching Assistant Aug 2023 - Present

This is a list of UPenn courses which I've been a teaching assistant for. Responsibilities include giving recitation, grading, and holding office hours.

- Math 1080 Mathematics of change Part II, Spring 2024
- Math 1070 Mathematics of change Part I, Fall 2023

SERVICE

Graduate Student Geometry-Topology Seminar Aug 2023 - Present

Co-organizer of the UPenn graduate student geometry-topology seminar. [Seminar website](#).

Graduate Pizza Seminar Aug 2023 - May 2024

Co-organizer of the UPenn math graduate pizza seminar. [Pizza Seminar Website](#).

TALKS

Graduate Pizza Seminar, "The Math Behind Satoru Gojo's Abilities" Oct 2023

GS Geometry-Topology Seminar, "An enumerative geometry program" Oct 2023

GS Geometry-Topology Seminar, "Noether's Theorem and why it's neat" Apr 2023

OTHER

US Citizen
Native in English, fluent in Spanish
Likes climbing