Curriculum Vitae:
Antonios-Alexandros Robotis
Birthdate: Oct.02.95
Citizenship: EU, USA
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Educational Background:

- Cornell University: Mathematics PhD (Fall 2019 - Spring 2025)
    - Advisor: Daniel Halpern-Leistner
    - SLMath, *Noncommutative Algebraic Geometry* Program Associate, Spring 2024
    - M.S. in Mathematics Received Fall 2021
- NYU Courant Institute: M.S. in Mathematics (Spring 2019)
    - Grade: 3.97/4.00
    - Courant written (M.S.) exam: A
- U.C. Berkeley: Honors B.A. in Mathematics (Spring 2017)

Research:

- *The space of augmented stability conditions* (with D. Halpern-Leistner), (2024)
- *Dimension theory of noncommutative curves* (with A. Bhaduri and I. Goldberg), (2024) *submitted*
- *Spaces of multiscaled lines with collision*, (2024)
- *Stability conditions and semiorthogonal decompositions I: Quasi-convergence* (with D. Halpern-Leistner and J. Jiang), (2023), *submitted*
- *Admissible subcategories of noncommutative curves*, (2024), *submitted*

Awards and Honors:

- *Bättig Research Prize* - Cornell University, December '24
- *Leibniz Graduate Students Grant* - Forschungsinstitut Oberwolfach, Fall '24
- *Stephen della Pietra Fellowship* - MSRI/SLMath, Spring '24
- *Eleanor York Research Prize* - Cornell University, Fall '22
- *ICM Kovalevskaya Grant* - Summer '22
- *Early-career AMS-NSF-Simons-ICM Travel Grant* - Summer '22.
- *Hutchinson Fellowship* - Cornell University, Summer '20

Professional Activities:

- Reviewer at zbMATH Open (December 2023 - Present)
- Organized SLMath program associate seminar with Eliana Tolosa Villarreal (Spring 2024)
- Referee for *Mathematische Zeitschrift* (Spring 2024 - Present)

Other Activities:

- Co-Founder and Organizer of Cornell Directed Reading Program : Spring 2020 -
  Students Mentored:
    - Ritwick Bhargava (now a PhD student at University of Michigan) (Spring 2020-Spring 2023) topics: *commutative algebra, scheme theory, smooth manifolds, Lie groups and representation theory, toric varieties*
    - Alex Ni (Spring 2022) topic: *smooth manifolds*
    - Andrii Nykyforchyn (Fall 2023) topic: *smooth manifolds*
    - Julian Turner (Fall 2024) topic: *Riemann surfaces and algebraic geometry*
- Berkeley Engineers and Mentors - outreach program volunteer (Spring 2014, Fall 2014, Spring 2015)
- Math Stack Exchange

Teaching Experience:

- Teaching Assistant and Grader, Cornell University, Courses: *Multivariable calculus, Manifolds and differential forms, Linear algebra, Introduction to Analysis, Honors introduction to analysis, Applicable algebra (computational algebraic geometry), Applied complex analysis* (Fall 2019 - Present)
- Graduate mentor, Cornell Summer program for undergraduate research (SPUR), Summer 2021
- Instructor of record, NYU, Math 140 - *Linear algebra* (Summer 2018)
- Teaching Assistant and Grader, NYU, Courses: *Abstract Algebra, Honors Abstract Algebra II, Number Theory, Calculus I* (Spring 2018 - Spring 2019)
- Private Tutor at Cambridge Coaching, NYC, (Fall 2017 - Spring 2019)

Invited Talks:

- *Derived and noncommutative enthusiasts (DANCE) seminar*, Virtual, TBD
- *Geometry, physics, and representation theory seminar*, Northeastern University, Boston, MA, 02.20.25
- *Iowa geometry and topology seminar*, University of Iowa, Iowa City, IA, 12.04.24
- *Valley geometry seminar*, UMass Amherst, Amherst, MA, (postponed to spring '25 semester)
- *Longitudinal algebra and geometry open online seminar (LAGOON)*, Virtual, 10.30.24
- *Algebraic geometry seminar*, UPenn, Philadelphia, PA, 09.16.24
- *Algebra seminar*, Cornell University, Ithaca, NY, 09.13.24
- *Derived categories and moduli spaces*, UCSB, Santa Barbara, CA, 05.01.24 - 05.04.24
- *M-seminar*, Kansas State University (Virtual), 04.10.24, recording
- *Algebraic geometry seminar*, Universidad de los andes (Virtual), 03.13.24
- *MSRI noncommutative algebraic geometry workshop*, Berkeley, CA, (poster), 02.02.24

Conferences and workshops:

- *Algebraic Geometry and Noncommutative Projective Varieties* - Oberwolfach Research Institute for Mathematics, Oberwolfach, 09.22.24 - 09.27.24
- *Moduli of meromorphic quadratic differentials* - Simons Centre, Stony Brook, NY, 06.03.24 - 06.07.24
- *Derived categories and moduli spaces* - UCSB, Santa Barbara, CA, 05.01.24 - 05.04.24
- *Recent developments in noncommutative algebraic geometry* - SLMath, Berkeley, CA, 04.08.24 - 04.12.24
- *Introductory Workshop: Noncommutative algebraic geometry* - SLMath, Berkeley, CA, 02.05.24 - 02.09.24
- *AGNES: Algebraic Geometry Northeastern Series* - UPenn, 10.13.23 - 10.15.23
- *Summer School on Higher Structures in Algebra and Geometry* - Sophus Lie Centre, Nordfjordeid, 08.13.23 - 08.18.23
- *Derived Categories, Moduli Spaces, and Counting Invariants* - Imperial College, 07.03.23 - 07.07.23
- *Mathematics Research Community Program in Derived Categories, Arithmetic, and Geometry* - Java Center, NY 06.04.23 - 06.10.23
- *AGNES: Algebraic Geometry Northeastern Series* - SUNY Stony Brook, 04.28.23 - 04.30.23.
- *Categorical Methods in Moduli Theory* - UPenn, 04.07.23 - 04.09.23.
- *Quivers, Clusters, Moduli, and Stability* - Oxford, 01.09.23 - 01.13.23.
- *AGNES: Algebraic Geometry Northeastern Series* - UMass Amherst, 11.18.22 - 11.20.22.
- *Moduli Spaces and Stability Conditions* - CERM, Levico Terme, Italy, 05.06.22 - 06.10.22.
- *Derived Categories and Moduli Spaces* - Cornell University, 04.29.22 - 05.01.22.
- *Binghamton University Graduate Conference in Algebra and Topology* - SUNY Binghamton, 11.04.19 - 11.05.19.
- *AGNES: Algebraic Geometry Northeastern Series* - Brown University, 09.21.18 - 09.23.18.

Languages:

- English (Native)
- Greek (Native)
- French (Advanced)
- Spanish (Beginner)
- German (Beginner)