

Alessandro Danelon

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POSITIONS

- University of Michigan**, Ann Arbor, MI, USA Aug. 2023 - present
Postdoctoral fellow
Mentor: Andrew Snowden
- University of Bern**, Bern, CH Mar. 2023 - Aug. 2023
Postdoctoral fellow
Mentor: Jan Draisma

EDUCATION

- Eindhoven University of Technology**, Eindhoven, NL Feb. 2019 - Feb. 2023
Ph.D., Mathematics
Advisor: Jan Draisma
Thesis: *“Stabilisation for varieties in polynomial functors”*
- University of Leiden, University of Duisburg-Essen**, Leiden, NL, and Essen, DE Sep. 2016 - Jul. 2018
Master, Mathematics
Advisor: Massimo Bertolini
Thesis: *“A p -adic analogue to the class number formula”*
- University of Milan**, Milan, IT Sep. 2011 - Sep. 2016
Bachelor, Mathematics
- Conservatory of Music G. Verdi**, Milan, IT Oct. 2006 - Oct. 2016
Master (V.O.), Clarinet performance
Advisor: Sergio Del Mastro

PUBLICATIONS

- C. Chiu, A. Danelon and J. Draisma, Singular loci in varieties of tensors, to appear in *Trans. Amer. Math. Soc.*, 2026.
- C. H. Chiu, A. Danelon, J. Draisma, R. Eggermont, A. Farooq, Sym-Noetherianity for powers of GL-varieties, *Algebra Number Theory* 19 (2025), no. 11, 2091--2118.
- A. Bik, A. Danelon and A. Snowden, Isogeny classes of cubic spaces, *Selecta Math. (N.S.)* 31 (2025), no. 4, Paper No. 75, 17 pp.
- M. Belotti, A. Danelon, C. Fevola, A. Kretschmer, The enumerative geometry of cubic hypersurfaces: point and line conditions, *Collect. Math.* 75 (2024), no. 2, 593--627.
- A. Bik, A. Danelon and J. Draisma, Topological Noetherianity of polynomial functors II: base rings with Noetherian spectrum, *Math. Ann.* 385 (2023), no. 3-4, 1879--1921.
- A. Danelon, *Stabilisation for varieties in polynomial functors*, Eindhoven University of Technology (2023).

A. Bik, A. Danelon, J. Draisma, R. Eggermont, Universality of high-strength tensors, Vietnam J. Math. 50 (2022), no. 2, 557--580.

PRE-PRINTS

C. Chiu, A. Danelon, and A. Snowden, The singular locus of a GL-variety, arXiv:2605.30726.

A. Danelon, Noetherianity for powers of algebraic representations, arXiv: 2601.23186, 2026.

A. Danelon, Balanced player arrangement in rotating court games, arXiv: 2509.23884, 2025.

A. Danelon and A. Snowden, A remark on automorphisms of tensor spaces, arXiv:2507.13521, 2025.

A. Danelon and A. Snowden, Biquadratic spaces of length two, arXiv:2412.20681, 2024.

MENTORING

Zhe Su, Independent study project in Educational study (EDUC 640), Marsal Family school of Education, University of Michigan.

REU project summer 2026 with undergraduates Maya Mustață (University of Chicago) and Zhiwu Wang (University of Michigan) on multiplicities of singularities in GL-varieties.

AWARDS

AMS-Simons Foundation AMS-Simons Travel Grant program	Jun. 2026
University of Michigan UMPDA Postdoc Conference award	Feb. 2024
University of Eindhoven Excellence in teaching award	Apr. 2021
University of Eindhoven Excellence in teaching award	Jan. 2021
University of Eindhoven Excellence in teaching award	Jan. 2020

SELECTED TALKS

SRI, Fort Collins, CO Ranks and classification of infinite tensors	Jul. 2025
SIAM AG25, Madison, WI Ranks and classification of infinite tensors	Jul. 2025

JM invariant at 60, Auburn, AL Singularities of GL-varieties	May 24
SIAM AG23, Eindhoven, NL Well-order of infinite-strength cubic forms	Jul. 23

TEACHING

University of Michigan, Ann Arbor, MI, USA

Honors calculus II (math 186)	Winter 2026
Putnam competition (math 289)	Winter 2026
Honors calculus I (math 185)	Fall 2025
Putnam competition (math 289)	Fall 2025
“The Geometry of Music”, MMSS	Summer 2025
Honors calculus II (math 186)	Winter 2025
Putnam competition (math 289)	Winter 2025
Honors calculus I (math 185)	Fall 2024
Putnam competition (math 289)	Fall 2024
“The Geometry of Music”, MMSS	Summer 2024
Matrix algebra (math 417)	Winter 2024
Pre-calculus (math 105)	Fall 2023

University of Bern, Bern, CH

Algebraic topology	Winter 2023
Mathematics for Natural Sciences	Winter 2023

University of Eindhoven Eindhoven, NL

Linear Algebra II	Winter 2021
Linear Algebra I	Fall 2020
Linear Algebra I	Fall 2019

REFEREES

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