Alessandro Danelon
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POSITIONS

University of Michigan, Ann Arbor, MI, USA — Aug. 2023 - present
Postdoctoral Assistant Professor
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. 2013
Master (V.O.), Clarinet performance
Advisor: Sergio Del Mastro

PUBLICATIONS

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

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 A. Snowden, Isogeny classes of cubic spaces, Selecta Math. (N.S.) 31 (2025), no. 4, Paper No. 75, 17 pp.

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. Danelon, Stabilisation for varieties in polynomial functors, Eindhoven University of Technology (2023).

C. Chiu, A. Danelon and J. Draisma, Singular loci in varieties of tensors, accepted in Trans. Amer. Math. Soc. arXiv:2501.07497, 2025.

PRE-PRINTS

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

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

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

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

C. Chiu, A. Danelon, and A. Snowden, The singular locus of a GL-variety, arXiv:2605.30726, 2026.

A. Danelon and A. Snowden, The fundamental theorems of invariant theory for linearly oligomorphic groups, arXiv:2607.08485, 2026.

B. Baily and A. Danelon, Closedness of bounded strength and partition rank loci, arXiv:2610.28792, 2026.

MENTORING

Zhe Su, Independent study project in Educational study (EDUC 640), Marsal Family school of Education, University of Michigan on effective methods for teaching calculus.

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

AWARDS

AMS-Simons Foundation Jun. 2026
AMS-Simons Travel Grant program

University of Michigan Feb. 2024
UMPDA Postdoc Conference award

University of Eindhoven Apr. 2021
Excellence in teaching award

University of Eindhoven Jan. 2021
Excellence in teaching award

University of Eindhoven Jan. 2020
Excellence in teaching award

SELECTED TALKS

SRI, Fort Collins, CO Jul. 2025
Ranks and classification of infinite tensors

SIAM AG25, Madison, WI Jul. 2025
Ranks and classification of infinite tensors

JM invariant at 60, Auburn, AL — May 24
Singularities of GL-varieties

SIAM AG23, Eindhoven, NL — Jul. 23
Well-order of infinite-strength cubic forms

TEACHING

University of Michigan, Ann Arbor, MI, USA

Putnam competition (math 289)	Fall 2026
Calculus II (math 116), two sections	Fall 2026
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), two sections	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

University of Leiden, Leiden, NL

Algebraic number theory (teaching assistant)	Fall 2018
Linear algebra II (teaching assistant)	Fall 2018

University of Duisburg-Essen, Germany, DE

Algebraic number theory I (teaching assistant)	Fall 2017

REFEREES

Andrew Snowden,
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University of Michigan, Ann Arbor, MI
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Full Professor
University of Bern, Bern, CH
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Fulvio Gesmundo,
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Robert Cochrane,
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