Anne Fayolle

CONTACT INFORMATION	Department of Mathematics fayolle@math.utah.edu University of Utah , LCB 317.

RESEARCH INTERESTS

Algebraic geometry and commutative algebra.

EDUCATION

University of Utah

    PhD in mathematics (2022 - Present)

École Polytechnique Fédérale de Lausanne (EPFL)

    MSc. Mathematics, July 2022

McGill University

    BSc. First class honours in mathematics, minor in computer science, May 2020

Université de Montréal

    Certificate   Philosophy, with mention of excellence, May 2020

SCHOLARSHIPS AND GRANTS

2023	NSERC PGS-D (held),
2023	NSERC CGS-D (offered),
2022	EDGES fellowship University of Utah,
2019	FRQNT supplement to the NSERC award,
2019	NSERC USRA, McGill University,
2017	Alma Mater entrance scholarship, McGill University

Preprints

J. Carvajal-Rojas, Anne Fayolle, *On tame ramification and centers of F-purity.* ArXiv e-prints, 2023. arXiv:2308.02660

TEACHING

Winter 2023	MATH 1320	TA *Calculus II for engineers*	Utah

SERVICE

2023-2024	Student commutative algebra seminar organizer
2023-2024	Graduate Student Advisory Committee EDI representative
2021-2022	Polyquity committee member
	Polyquity is the association that promotes gender equality on the EPFL campus
2020-2022	EPFL mentor
	Mentoring a group of first year students to help them navigate the EPFL and math life.
2019-2020	Vice-President SUMM
	SUMM is the largest undergraduate math conference in Canada with over a hundred participants annually.

TALKS

An introduction to compatible ideals, Commutative Algebra Graduate Student Seminar at U Michigan, Spring 2023
An introduction to compatible ideals, BIKES, the Graduate Student Seminar at U Utah, Spring 2023
Algorithms on lattices, Undergraduate research seminar, McGill. (August 2019)
Representations of $SL_2(\mathbb{R})$, Undergraduate reading seminar on automorphic forms, McGill. (July 2019)