Anne Fayolle

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

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	Graduate Student Travel award,
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

2024	BRIDGES co-organizer (AWM conference aimed towards early graduate students and advanced undergraduates)
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 — *Tame ramification*, BIKES, the Graduate Student Seminar at the University of Utah, Fall 2023

Tame ramification and F-singularities, Commutative Algebra Seminar, University of Utah, Fall 2023

Compatible ideals and their behavior under finite covers, Commutative Algebra Reading

Seminar, University of Nebraska, Fall 2023

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 the University of 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)

POSTERS   *Tame ramification and centers of F-purity*, Western Algebraic Geometry Symposium, Washington University in St. Louis, Fall 2023.