

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, <i>On tame ramification and centers of F-purity</i> . ArXiv e-prints, 2023. arXiv:2308.02660				
TEACHING	Winter 2024	MATH 1220	<i>Calculus II</i>	Utah	
	Winter 2023	MATH 1320	<i>Calculus II for engineers</i> (TA)	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	<i>Tame ramification and centers of F-purity</i> , Commutative Algebra Seminar, University of Utah, Fall 2023 <i>On tame ramification and compatible ideals</i> , BIKES, the Graduate Student Seminar at the 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 $\mathrm{SL}_2(\mathbb{R})$, 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.