David Marcil

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Education

2019 – present	Ph.D., Columbia University Mathematics, Algebraic Number Theory. Theorem titles and a functions for <i>D</i> and in any Hide families on unitary ansure.
	Expected graduation date : May 2024
2016 – 2019	B.Sc., McGill University Honours Mathematics, Minor in Computer Science. Graduation date : May 2019

Research Publications

Journal Articles



D. Marcil, "Numerical verification of a conjecture of Harris and Venkatesh," *Journal of Number Theory*, vol. 221, 2021, p. 484-495.

Preprints

D. Marcil, "Bushnell-Kutzko types for *P*-ordinary automorphic representations on unitary groups," Preprint available at arxiv:2310.09110, Oct. 2023.

2 D. Marcil, "*p*-adic zeta integrals on unitary groups via Bushnell-Kutzko types," Preprint available at arxiv:2311.05466, Nov. 2023.

Teaching

Summer 2023Calculus IIISpring 2022College Algebra and Analytic Geometry (Pre-Calculus)

Miscellaneous Experience

Seminars.



Invited Research Talks.

2023 Princeton University, Monodromy and Its Applications (Pre-workshop for Junior Researchers), December 2023: Eisenstein measures for P-ordinary representations on unitary groups