

Information and contact

Born on 17-06-1997 fabrice.etienne@math.u-bordeaux.fr 06-95-12-64-60

languages

- English (TOEIC in 2020 with a score of 970 out of 990)

French

Programming langages

- Python
- Sagemath
- Pari/GP
- -C
- Caml
- Sylab

Other

- Latex
- Driver licence

Fabrice ETIENNE

I am curently a PHD student in algorithmic number theory at the university of Bordeaux, under the supervision of Mr Aurel PAGE.

MATHEMATICAL INTERESTS/ KEY WORDS

Algorithmic number theory, Galois representations, Hecke operators of finite groups, Quasi-split tori, Mackey functors, Galois cohomology, Selmer groups

PUBLICATIONS

F. Etienne. "Computing class groups by induction with generalised norm relations" (Nov. 2024, preprint) https://hal.science/hal-04778100 https://arxiv.org/abs/2411.13124

F. Etienne. "An algorithm to compute Selmer groups via resolutions by permutations modules" (Apr. 2025, preprint) https://hal.science/hal-05038206 https://arxiv.org/abs/2504.13506

SEMINARS AND PRESENTATIONS

Presentation at the PARI/GP workshop, 11/01/2024, Lyon (France) (https://pari.math.u-bordeaux.fr/Events/PARI2024/)

Presentation at the CANARI seminar, 04/16/2024, Bordeaux (France) (https://canari.math.u-bordeaux.fr/seminar/2023. html)

Lightning Talk at ANTS, jully 2024, Boston Massachusetts (USA) (https://antsmath.org/ANTSXVI/lightning.html)

Presentation at the CANARI seminar, 01/21/2025 à Bordeaux (https://canari.math.u-bordeaux.fr/seminar/2024.html)

Studies

2021-2022 Master degree in mathematics for recherche, in the algebra section, at the university of Rennes 1, with distinctions. Internship at the Institut de Mathématiques de Bordeaux.

2020-2021: Master degree in mathematics for teaching, at the university of Rennes 1, with distinctions. Diploma of the third year of the ENS Rennes. Agrégation of mathématics, with the option "computer science".

2019-2020: First year of Master degree in fundamental mathematics, at the university of Rennes 1, with distinctions. Diploma of the second year of the ENS Rennes. Bachelor degree in computer science with distinctions.

2018-2019: Bachelor degree in mathematics, at the university of Rennes 1, with distinctions.

Diploma of the third year of the ENS Rennes.

Internship in the Marseille Mathematics Institute (I2M), in the group theory and geometry research group, during the month of June.

2018: Admission by competitive examination at the Ecole Normale Supérieure of Rennes, in the mathematics departement

2015-2018: Higher scool preparatory class MP (mathematics and physics) in Lycée Thiers, in Marseille

2015: Scientific Baccalauréat S, with distinction