

Perrine Jouteur

PhD student

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Education

- 2023– **PhD thesis**, *Université de Reims Champagne-Ardenne*, advisor : Sophie Morier-Genoud
Title : q -analogues of real numbers : geometric, combinatorial and analytical aspects.
- 2019–2023 **École Normale Supérieure**, *Rennes*
- 2022–2023 **Master degree (second year)**, *Sorbonne Université, Paris*
Lie theory, Homology theory, Algebraic topology.
- 2021–2022 **Agrégation**, *Université de Rennes 1*
Competitive examination for mathematics teaching. Rank : 25.
- 2020–2021 **Master degree (first year)**, *Université de Rennes 1*
Mention Très bien.
- 2019–2020 **Double licence degree**, *Université de Rennes 1*
Mathematics and Computer science.
- 2017–2019 **Preparatory classes**, *Lycée Camille Guérin, Poitiers*

Research

Papers

- 2024 (preprint) **Bureau representation of B_4 and quantization of the rational projective plane.**
<https://arxiv.org/abs/2407.20645>

Conferences (as a speaker)

- June 2024 **Young researchers seminar**, *Université de Reims Champagne-Ardenne*
Presentation of my research topic.
- April 2024 **Seminar "Doctorants et postdoctorants"**, *Université de Lille*
Presentation of my research topic.
- April 2024 **PhD Seminar**, *Université de Picardie Jules Verne (Amiens)*
Presentation of my research topic.
- April 2024 **PhD students seminar**, *Université Clermont Auvergne*
Presentation of my research topic.

Conferences (as a listener)

- May 2024 **Cluster categories and mirror symmetry (ANR CHARMS)**, *Strasbourg, France*
- May 2024 **CHARMS Summer School**, *Versaille, France*
- March 2024 **Continued fractions and SL_2 -tilings**, *Durham, England*
- March 2024 **Réseau Thématique Algèbre**, *CIRM, France*
- November 2023 **Journées SL2R**, *Metz, France*
- July 2023 **Workshop on Kac-Moody geometry**, *Kiel, Germany*

Experience

Mathematical work

- 2023 **Master internship (second year)**, *Université de Reims Champagne-Ardenne*, supervisor : Sophie Morier-Genoud
Title : Cyclic sieving phenomenon and application to the Grassmanian.

2021 **Master internship (first year)**, *Oslo University*, supervisor : Paul Arne Østvær
Title : A_1 -homotopy theory and contractible varieties.

2020 **Licence internship**, *Université Paris Cité*, supervisor : Daniel Juteau
Title : Linear representations of finite groups.

Teaching

2023 **Exercices of linear algebra**, *Université de Reims Champagne-Ardenne*
Main teacher : Loïc Poulain d'Andecy, course for the second year of the licence degree.

2019–2021 **Academic support**, *Lycée Bréquigny*, Rennes
Helping high school students with their homework.

Computer skills

Programming Python, OCaml, Sage

Office automation Office suite, L^AT_EX, Wikipedia articles

Language

French Native speaker

English Fluent, 920 at TOEIC 2021