

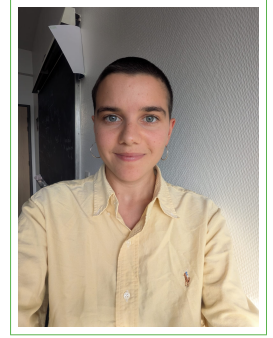
Kenza Memloulouk

Curriculum Vitae

7 rue René Descartes, Strasbourg 67000

University of Strasbourg

✉ kenza.memloulouk@math.unistra.fr



Education

- 2025-2028 **PhD in Mathematics**, *University of Strasbourg*, Strasbourg, France.
Title: Motivic approaches to transcendence of p-adic numbers
Advisors: Giuseppe Ancona and Dragoş Frăţilă
- 2024-2025 **Research internships**, *Mathematisches Institut of Freiburg im Breisgau and University of Strasbourg*, Germany and France.
Title: Multiple zeta values and quiver representations
Advisors: Giuseppe Ancona, Dragoş Frăţilă and Annette Huber
- 2024 **Master's thesis**, *École Normale Supérieure de Lyon*, Lyon, France.
Title: The motive of the moduli stack of vector bundles over a curve
Advisor: Sophie Morel
- 2023-2024 **Master of Mathematics**, *Paris-Cité*, Paris, France.
Master of Paris Centre on fundamental mathematics
- 2021-2024 **Undergraduate and master studies**, *École Normale Supérieure de Lyon*, Lyon, France.
- 2018-2021 **Preparatory class**, *Lycée Saint Louis*, Paris, France.

Papers and preprints

- 2025 *The motivic Galois group for a double zeta value*, preprint.

Talks in Conferences

- October 2025 Ethen, CIRM, Marseille.

Talks in Seminars

- November 2025 Rhine transcendence seminar, Basel.
- October 2025 Junior Number Theory seminar, London.
- September 2025 A day about motives, IRMA, Strasbourg.

Learning seminars and workshops

- November 2025 "Locally symmetric spaces", Strasbourg.
- July 2025 "Néron-Tate heights on abelian varieties", Jeunes en Arithmétique et Variétés Algébriques.
- March 2025 "Hodge theory", Strasbourg.

- February 2025 "Basics in étale cohomology", Freiburg im Breisgau.
- November 2023 "Perfect prisms", Paris.
- November 2023 "Classical invariants of K3 surfaces", Paris.

Teaching

- 2025-2026 Teaching at the University of Strasbourg.
- 2022-2024 Oral examination for students in preparatory class.

Dissemination of mathematics

- 2026 Co-organisator of the RJMI (a weekend of mathematics for female highschool students).
- October 2025 Speaker at Les Cigognes (a week of mathematics for female highschool students).
- April 2025 Helping hand and teacher at the RJMI.
- February 2023 Supervising highschool students for problem solving sessions.
- 2022-2023 Jury of the TFJM² in Lyon (a math tournament for highschool students).
- March 2022 Speaker at an event to promote mathematics among female highschool students for the International Women's rights day in Lyon.

Various Talks (to a broad audience of mathematicians)

- July 2025 "New insights about motivic multiple zeta values using quivers", MATHeor days.
- March 2025 "Kontsevich-Zagier conjecture", IRMA.
- November 2024 "Introduction to stacks", Freiburg im Breisgau.
- July 2024 "Periods of elliptic curves", Chambon sur Lignon.
- October 2022 "Introduction to modular forms", Goutelas.
- June 2021 "Vector bundles over the twisted projective curve", Caen.

Languages

French (native), English, German

Computer skills

- Programming Languages Python, Caml.