

Guillaume Dumas

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Education

- 2022- **PhD**, *Institut Camille Jordan, Université Claude Bernard Lyon 1*, Lyon, France.
supervised by Mikael de la Salle
- 2021-2022 **M2 Fundamental Mathematics**, *Ecole Normale Supérieure de Lyon*, Lyon, France.
- 2020-2021 **M2 FEADéP**, *Ecole Normale Supérieure de Lyon*, Lyon, France.
Agrégation, rang 4
- 2019-2020 **M1 Mathematics**, *Ecole Normale Supérieure de Lyon*, Lyon, France.
- 2018-2019 **L3 Mathematics**, *Ecole Normale Supérieure de Lyon*, Lyon, France.
Cambridge Certificate in Advanced English (CAE) Grade A (Niveau C2)
- 2016-2018 **CPGE (MPSI-MP*)**, *Lycée Blaise Pascal*, Clermont-Ferrand, France.

Experience

- April-July **Internship**, *ICJ*, Lyon, France.
2022 On Gelfand pairs and semisimple Lie groups, supervised by Mikael de la Salle
- May-July **Internship**, *remote due to Covid-19*.
2020 On singular homology, supervised by David Barnes
- May-June **Internship**, *LPT*, Toulouse, France.
2019 On superpermutations, supervised by Ion Nechita.

Publications

1. **Regularity of matrix coefficients of a compact symmetric pair of Lie groups**, published in *Trans. Amer. Math. Soc* 377(10), 2024.
2. **On quasi-homomorphism rigidity for lattices in simple algebraic groups**, Preprint.
3. **Regularity of K -finite matrix coefficients of a semisimple Lie group**, Preprint.

Talks

1. **Non commutative harmonic analysis seminar**, *LMNO, Caen*, October 2023.
2. **PhD student seminar**, *ICJ, Lyon*, December 2023.
3. **Non commutative analysis on groups and quantum groups**, *Conference, Besançon*, December 2023.
4. **PhD student seminar**, *I2M, Marseille*, February 2024.
5. **Operator algebra seminar**, *IMJ-PRG, Paris*, Octobre 2024.



Skills

Languages

French

English C2 level (*Cambridge*)

CS

LaTeX

Python

OCaml