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[\[Notes\]](#)

Currently I'm studying representation theory and preparing my Master thesis with Dr. Prof. [Raphaël Beuzart-Plessis](#).

Current (Research) Interests

- **Representation Theory** and **Number Theory**, in particular Automorphic Forms, Trace Formula, Langlands correspondence,
- Harmonic Analysis.

Education

- [ALGANT](#) Master 2024.9 – Present
[Università di Padova](#) (M1) and [Universität Duisburg-Essen](#) (M2, currently)
- Visiting Research Student, [BIMCR](#), 2023.8 – 2024.6
- [Enhanced program for Graduate Study](#) (visiting research student), BIMCR, 2023.2 - 2023.7

Teaching Assistant

- Modular Forms (Graduate course), 2023.9 – 2024.12
- Mathematical Analysis III (2nd year course), 2023.9 – 2024.12
- Calculus (1st year course), 2023.9 – 2024.12
- Real Analysis (2nd year course), 2023.2 - 2023.6

Bachelor Thesis

[\[Local Gan-Gross-Prasad Conjecture: Tempered Hermitian Case\]](#), 2023.4 - 2024.4

In this paper, we study, following work of Beuzart-Plessis in [BP20], a geometric expansion for certain multiplicities $m(\pi)$ appearing in the local Gan-Gross-Prasad Conjecture, and Beuzart-Plessis's proof on a weak form of this conjecture (on the multiplicity one property in tempered L-packets). In Beuzart-Plessis's proof, the crucial step is to study a sort of local relative trace formula which is related to the Gan-Gross-Prasad Conjecture for unitary groups over a local field F of characteristic zero.

Attended Mini Courses/Seminars

- Aarhus Automorphic Forms School/Conference 2025.8
- Representation Theory & Noncommutative Geometry 2025.2 – 2025.3

I join in the [\[Workshop 2: Tempered representations and K-theory\]](#), p-adic week and Theta correspondence week in person. Details and Personal Notes can be found [\[Here\]](#).

- From Modular Forms to Shimura Varieties: an introduction 2024.1
- [Arizona Preliminary Winter School](#), Arizona (Online), 2023.9 – 2023.12
Focus on the CM elliptic curve and class field theory of imaginary quadratic fields.
- [Core topics in modern number theory](#), [YMSC](#), 2022.12 - 2023.6
- [2022 Summer School on Differential Geometry](#), BIMCR, 2022.8
- [Algebraic number theory](#), summer school, Nanjing University. 2022.7

Talks/Seminars Organized

- Iwasawa theory and more on number theory, 2025.1 – 2025.3
- Reps Theory on the Archimedean Place with Emphasis on GL_2 , 2023.8 – 2024.4
- Algebraic Geometry and Elliptic Curves, 2022.9 – 2023.10
- Category Theory and Homological Algebra, 2023 Spring
- Lie groups and the representation theory, 2022 Spring
- Differential manifolds, differential topology, 2021 Winter

Languages

- Chinese Native
- English Working Proficiency
- Latex Working Proficiency
- French Learning

J'ai essayé de lire quelques articles en français.