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Jianyu MA

Education

ATER , OPTIM, École Nationale de l'Aviation Civile,	—	2024–2025
Thesis delayed for an extra year to defense		
PhD , Analysis, Institut de Mathématiques de Toulouse,	—	2021–2025
Supervised by Jérôme Bertrand, funded by LabEx CIMI		
Master 2 , Mathematics, Université Paul Sabatier,	14.88/20	2020–2021
Research & Invocation, funded by LabEx CIMI		
Master 1 , Mathematics, Université Paul Sabatier,	18.85/20	2019–2020
ESR, exchange student, funded by China Scholarship Council		
Bachelor , Mathematics, Wuhan University,	3.93/4.0	2016–2020
First year in computer science, later transferred to mathematics		

Researches

Article

Thesis in preparation: Regularity and CLT of Wasserstein barycenters

Preprint [arXiv](#): Absolute continuity of Wasserstein barycenters over manifolds with lower Ricci curvature bound

Memoir

Master 2 report: Existence and uniqueness of barycenter in metric space

Master 1 report: Stochastic calculus applications in quantum mechanics

Academic talks

Passed

04 Nov. 2024: [Young Mathematicians in Geometry and Analysis](#), Mulhouse

21 May. 2024: [Séminaire PAS](#), Laboratoire de Mathématiques Blaise Pascal

14 Mar. 2024: [Séminaire Images Optimisation et Probabilités](#), Université de Bordeaux

05 Feb. 2024: [GT CalVa](#), Université Paris-Cité (campus Grands Moulins)

26 Jun. 2023: [Séminaire d'Analyse](#), Institut de Mathématiques de Toulouse

25 May. 2023: [Séminaire des doctorants](#), Institut de Mathématiques de Toulouse

Skills

French: Medium

English: Fluent

Chinese: Native

Programming

○ [Self-designed homepage](#)

○ [ChromeXt](#)

Proficient: JavaScript, Kotlin, Mathematica, Python

Interest

- Table tennis & Tennis
- Classical music
- Philosophy
- Poetry