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Jianyu MA

Background

ATER, Probabilités, Institut de Mathématiques de Toulouse. **2025–2026**
Investigating and teaching machine learning

ATER, OPTIM, École Nationale de l'Aviation Civile. **2024–2025**
Thesis delayed for an extra year

PhD, Analyse, Institut de Mathématiques de Toulouse. **2021–2025**
Supervised by Jérôme Bertrand, funded by LabEx CIMI

Education

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 manuscript: Regularity of Wasserstein barycenters

Accepted arXiv: *Absolute continuity of Wasserstein barycenters over manifolds with lower Ricci curvature bound*, **2025**, to be appeared in Calculus of Variations and Partial Differential Equations

Memoir

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

Master 1 report: Stochastic calculus applications in quantum mechanics

Academic talks

Passed

4 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

5 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		
<i>Languages</i>	French: Medium Chinese: Native	English: Fluent
<i>Programming</i>	<ul style="list-style-type: none"> ○ JingMatrix/LSPosed ○ Self-designed homepage Proficient: JavaScript, Kotlin, C++, Mathematica, Python	<ul style="list-style-type: none"> ○ NeoZygisk ○ ChromeXt
<i>Interest</i>	<ul style="list-style-type: none"> ○ Table tennis & Tennis ○ Classical music 	<ul style="list-style-type: none"> ○ Philosophy ○ Poetry