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Jianyu MA

Education

PhD, Analysis, Institut de Mathématiques de Toulouse, — **2021–2024**
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

Thesis in preparation: Regularity and CLT of Wasserstein barycenters

Article

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

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   ○ Philosophy

○ Classical music   ○ Poetry