

Jean-Baptiste Stiegler

Office 2S22, Laboratoire de mathématiques d'Orsay
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🌐 [website](#)

Education

- 2024–???? **PhD**, *Université Paris-Saclay*, Orsay
Co-supervised by Thomas Gauthier and Ramanujan Santharoubane.
Title: "Study of a group of birational transformation of the projective space"
- 2023–2024 **M2 Arithmétique Analyse et Géométrie**, *Université Paris-Saclay*, Orsay
Mention Très bien.
- 2022–2023 **M1 Jacques Hadamard**, *Université Paris-Saclay*, Orsay
Under the supervision of P. Melotti. Mention Très bien.
- 2021–2022 **Bachelor in pure mathematics**, *Université Paris-Saclay*, Orsay
Magistère de Mathématiques
- 2020–2021 **Engineering school**, *Telecom SudParis*, Evry
- 2018–2020 **Preparatory classes (MPSI-MP*)**, *Lycée Joffre*, Montpellier

Preprints

- JB. Stiegler. "Collapsing in polygonal dynamics." 2025, preprint. [arXiv:2507.16432](https://arxiv.org/abs/2507.16432)
- JB. Stiegler and Wikipedia community. "Pentagram map" 2025, [WikiJournal Preprints](#)

Thesis and essays

- "Study of a group of birational transformation of the projective space" Master's thesis under the supervision of T. Gauthier, P. Melotti et R. Santharoubane.
- "Holomorphic dynamic: from local to global". 2022. *Bachelor thesis*, with A. Dallemagne and V. Maeght, under the supervision of T. Gauthier.
- "Numerical study of a non-standard Voronoï-Poisson percolation model". April-August 2021. *Initiation to research internship*, under the supervision of M. Oulamara and E. Feyen.

Talks

- August 2026 **Vienna**, *DGS 2026*, "Collapsing in pentagram-like dynamics"
- May 2026 **Orsay**, *Second year PhD students session*, "Integrability in polygonal dynamics"
- December 2025 **Jussieu**, *Seminar in complex dynamics*, "Collapsing in polygonal dynamics"
- October 2025 **Amiens**, *PhD student seminar*, "The pentagram map"

February 2025 **Orsay**, *PhD student seminar*, "Discrete holomorphic functions, Pentagrams, and Integrability"

Events attended

August 2026 **Discrete Geometric Structures 2026**, *TU Wien*, Vienna

June 2026 **New trends in holomorphic dynamics in dimension one and higher**, *Institut Denis Poisson*, Orléans, Rencontre ANR DynAtrois

May 2026 **Real and Complex Wild Dynamics**, *Artic Univeristy of Norway*, Tromsø

September 2025 **Rencontre ANR DynAtrois**, *Université de Bourgogne*, Dijon

June 2025 **Mathématiques et Philosophie Contemporaines XII**, *IMT*, Saint-Ferréol
École thématique CNRS

March 2025 **Isomonodromy days**, *AGM*, Cergy

January 2025 **Arithmetic, Algebraic and Analytic Dynamics**, *CIRM*, Marseille
États de la Recherche SMF

December 2024 **7th Winter school in dynamics**, *Centre Paul Langevin*, Aussois

November 2024 **Algebraic Geometry and Complex Geometry**, *CIRM*, Marseille

March 2024 **Lean For The Curious Mathematician 2024**, *CIRM*, Marseille
États de la Recherche SMF.

August 2023 **MasterClass Algebraic Geometry and Physics**, *Institut de Mathématiques de Bourgogne*, Dijon

June 2023 **Summer School Facets of Complex Dynamics**, *IMT*, Toulouse

April 2023 **MasterClass Non-commutative geometry and analysis on manifolds**, *Université de Lorraine*, Metz

August 2022 **Festum Pi**, *University of the Aegean*, Samos
Summer school about math and music.

Languages and programming

Informatique Python, Sage, Java, Caml, $\text{\LaTeX}$, Wordpress, SQL, Bash (familiar with Unix)

French Mother tongue

English Fluent *Certification Linguaskill*

German B2 level

Teaching

August 2026 **Invariant measures in symbolic dynamics**, Nesin Math Village, Assisting Thierry Monteil

2025-2026 **Oral exams**, *L2 MDD254*, Université Paris-Saclay, TA
12h/year

2025-2026 **Linear algebra**, *L1 MDD152*, Université Paris-Saclay, TA
24h/year

2024-2026 **Mathematics of modelisation**, *L1-BCST M101B*, Université Paris-Saclay, TA
28h/year

Financial support

2025-2029 **Member of the ANR DynAtrois**, *Project led by Johan Taflin*, ANR-24-CE40-1163

2023-2024 **Sophie Germain Scholarship**, *Given by the Fondation Mathématique Jacques Hadamard*

Miscellaneous

2026-2027 Representative of the non-permanent members at the lab council (Orsay)

2025 Prize from the Wikimedia France community.

2024-???? Organizer of a Wikipermanence in Saclay.

2024-???? Cofounder of the GCD (*Group of Cooperation between Doctorants*).

2023-2024 Mentor of two international students, as part of the *Buddy Programme*.