David Fisac

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Employment

Postdoctoral researcher at Universitat Autònoma de Barcelona.	Feb 2025 – Sept 2025 (upcoming)

Education

Universitat Autònoma de Barcelona, Grau en Matemàtiques.	Sept 2015 – June 2018
Imperial College London, MSc in Pure Mathematics, Under the supervision of Marie-Amélie Lawn.	Sept 2019 – Sept 2020
Université du Luxembourg - Universitat Autònoma de Barcelona, PhD in Mathematics, Under the co-supervision of Florent Balacheff and Hugo Parlier.	Feb 2021 – Jan 2025 (upcoming)

Publications

A Basmajian-type inequality for Riemannian surfaces, with Florent Balacheff, arXiv:2311.03182v1.	Submitted
Word-length curve counting on the once-punctured torus, with Mingkun Liu, arXiv:2404.09372v2.	Submitted

Talks

Colloque de Géométrie, Université Paris-Est Créteil, Paris.	Nov 2024
2nd International AMS-UMI Joint Meeting, Palermo, Sicily.	Jul 2024
Hengstberger Symposium: Geometry and dynamics of surfaces beyond finite-type, Heidelberg, Germany.	Jul 2024
Surfaces, Manifolds and Related Topics (SMaRT), Mar 2024, Luxembourg.	Mar 2024
Seminari de Geometria, UAB, Barcelona.	Jan 2024
Geometry, Probability and their Synergies, Les Diablerets, Switzerland.	Mar 2023
VI Congreso de Jóvenes Investigadores de la RSME, León, Spain.	Feb 2023

Teaching

Linear Algebra I, University of Luxembourg.	2022
Math Forge (all-round tutoring for Mathematics BSc), University of Luxembourg.	2021-2023-2024

Languages

Catalan: native.
Spanish: native.
English: proficient.
Italian: proficient.
French: basic.

Programming

Languages: Python, C, Java.

Mathematical programming: Mathematica, SageMath.