



Federico Butori

Contact me

Address

Federico Butori

PhD. Student

About me

I am a PhD. student in mathematics and my interests concern mostly Stochastic Differential Equations and Fluid Dynamics. I have a background in Stochastic Calculus, Functional Analysis, Statistics and Machine Learning.

Formation

2022 - Ongoing, Scuola Normale Superiore, Pisa PI

Ph.D. position in the course “Computational Methods and mathematical models for science and finance”.

2020 - 2022, Università di Pisa, Pisa PI

Master’s degree in Mathematics, curriculum Generale.

Score: 110/110 cum Laude

Title of dissertation: Large Deviations and rare events in diffusion processes

Supervisor: Franco Flandoli (SNS)

2017 - 2020, Università di Pisa, Pisa PI

Bachelor degree in Mathematics

Score: 104/110

Title of the dissertation: Existence and regularity results for the Steiner problem

Supervisor: Giovanni Alberti (UniPi)

2012 - 2017, Liceo Scientifico Federico Enriques, Livorno LI

Maturità scientifica

Score 100/100

Languages

Italian

Mother tongue

English

Proficiency level (C1)

Level B2 Cambridge certificate, Grade B (177/190) (2015)

Skills

Softwares

- Matlab (Advanced)
- Photoshop, Lightroom (Intermediate, self-taught)
- Ableton Live, FL Studio (Basics, self-taught)

Programming Languages

- C (Intermediate)
- HTML (Intermediate)
- R (Advanced)
- Python (Basics)

Learning Activies

12-16 Dec 2022: Winter School "Stochastic Processes Analysis and Semigroups", Trento.

Università di Trento and Wuppertal.

10-24 May 2023: Summer School "PDEs and Randomness", Leipzig

Max Planck Institute, Leipzig.

12-16 Jun 2023: Summer School "Mean Field Models", Rennes

Henri Lebesgue Centre de Mathématiques.

3-7 Jul 2023: Summer School "Deterministic and Random features in Fluids", Lausanne

EPFL.

Other activities

Tutoring activities

Tutor for the course of Mathematical Analysis I at the faculty of Engineering at the University of Pisa in the academic year 2022/2023.

Tutor for the math week at Department of Mathematics in Pisa

The event is organized every year by the department of mathematics in Pisa for high school students. I was a tutor in year 2021, 2022 and 2023.

Student representative

I was a student representative for the department council at the department of mathematics in years 2020 to 2022.

