Federico Lazzeri
federico.lazzeri@ruhr-uni-bochum.de
+39 3474118119
My personal website

Federico Lazzeri
PhD student in Mathematics

Research interests

Algebraic and enumerative combinatorics, Coxeter groups, Distributional properties of polynomials, Representation theory, Symmetric functions.

Academic career

Bochum, 2025
Scholarship in Algebraic Combinatorics, Ruhr University Bochum.
Title: "Collaboration on Combinatorial Invariance Conjecture"
Supervisor: Prof. Christian Stump

Education

Pisa, 2020 - 2023
Master degree in Mathematics, University of Pisa
Mark 110/110 cum laude
Thesis title: "Representation theory of the 0-Hecke algebra"
Supervisor: Prof. Michele D'Adderio

Pisa, 2021
Training course for teaching, University of Pisa

Pisa, 2017 - 2020
Bachelor degree in Mathematics, University of Pisa
Mark 107/110
Thesis title: "Algorithms for manifold learning and analysis of their stability"
Supervisor: Prof. Dario Trevisan

Attended conferences

Dobbiaco (Toblach), February 2025
Winter School "**Geometry, Algebra and Combinatorics of Moduli Spaces and Configurations VII**"

Pisa, November 2024
Research-Oriented Seminar In COmbinatorics (ROSICO)

Pisa, November 2024
COmbinatorics Seminar for Everyone (COSE)

Bologna, November 2024
INcontro TRIangolare di Combinatoria Algebrica e TOpologica (INTRICATO)

Dobbiaco (Toblach), February 2023
Winter School "**Geometry, Algebra and Combinatorics of Moduli Spaces and Configurations V**"

COmbinatorics Seminar for Everyone (COSE)
Talk: Reciprocity for simplicial cones.

Work experience

Montepulciano, September 2023 - August 2024
Substitute teacher in Mathematics, Licei Poliziani
Scientifico e Scienze Umane

Pisa, March - May 2023
Tutor of Algorithms and Data Structures, University of Pisa,
Mathematics Department

Pisa, September 2021
Mathematics Precourse **tutor**, University of Pisa, School of Engineering

Pisa, March - May 2021
Tutor of Algorithms and Data Structures, University of Pisa,
Mathematics Department

Montepulciano, February 2021
Substitute teacher in Mathematics and Physics, Licei Poliziani
Linguistico e Scienze Umane

Languages and computer skills

- Italian (native), English (TOEFL 92/120), French (B1/B2 level)

- C, Sage, Matlab, LaTeX

References

Prof. Michele D'Adderio
Professor, Department of mathematics, University of Pisa, Italy
Contacts: michele.dadderio@unipi.it - Personal page

Prof. Filippo Gianluca Callegaro
Professor, Department of mathematics, University of Pisa, Italy
Contacts: filippo.callegaro@unipi.it - Personal page