

Azzurra Ciliberti

Education

La Sapienza Università di Roma Rome, Italy Ph.D. in Mathematics November 2021–Current – Thesis supervisor: Prof. Giovanni Cerulli Irelli

Alma Mater Studiorum Università di Bologna Bologna, Italy Master's Degree in Mathematics, Grade: 110/110 cum laude September 2019–June 2021 – Thesis title: “Chromatic symmetric homology”

– Thesis supervisor: Prof. Luca Moci

Alma Mater Studiorum Università di Bologna Bologna, Italy Bachelor's Degree in Mathematics, Grade: 109/110 September 2017–September 2019 – Thesis title: “Gruppi di Galois di ordine dodici”

– Thesis supervisor: Prof.ssa Mirella Manaresi

Alma Mater Studiorum Università di Bologna Bologna, Italy Bachelor's Degree in Computer Engineering, Grade: 110/110 cum laude September 2014–July 2017 – Thesis title: “Progetto e implementazione del protocollo HSLTP”

– Thesis supervisor: Prof. Carlo Caini

Liceo Classico Aldo Moro Manfredonia, Italy Classical High School Diploma, Grade: 100/100 September 2009–June 2014

Experience

Target Reply Milan, Italy Consultant March 2021–June 2021 – Main activities: Data analysis using ETL software (SQL, SAS)

Alma Mater Studiorum Università di Bologna Bologna, Italy Tutor for blended teaching support September 2020–December 2020

Alma Mater Studiorum Università di Bologna Bologna, Italy Curricular internship February 2017–June 2017 – Description of the project: Changes to the LTP code contained in ION, i.e. the free software implementation of the DTN architecture, in order to create a new convergence layer

Page 1 of 2

Publications and Preprints

- [1] A. Ciliberti and L. Moci, “On chromatic symmetric homology and planarity of graphs”, in ArXiv: 2103.01543, 2021.
- [2] N. Alessi, C. Caini, A. Ciliberti, and T. de Cola, “Hsltp—an ltp variant for high-speed links and memory constrained nodes”, IEEE Transactions on Aerospace and Electronic Systems, vol. 56, no. 4, pp. 2922–2933, 2020.

PhD courses attended

- “Polynomial identities” (Prof. Antonio Giambruno) November 2021 • “Istituzioni di Algebra Superiore” (Prof. Guido Pezzini) September 2021–January 2022 • “Algebra Superiore” (Prof. Paolo Papi) September 2021–January 2022 • “Invariant Theory” (Prof. Guido Pezzini) March 2022–May 2022 • “Quiver Representations” (Prof. Giovanni Cerulli Irelli) April 2022–May 2022

Teaching

- Teaching Assistant for “Geometry 3” course (Module 1), University of Bologna, 100h. 2020–2021 • “Geometry” for Sustainable Building Engineering, La Sapienza (Campus of Rieti), 60h. 2021–2022

Seminars

- “Chromatic symmetric homology” at MATH Talks, La Sapienza (Rome) 2022
works: LaTeX, Word.

Computer skills

- Software development: C, C#, Java;
- Mathematical software: Sage, Singular, MATLAB, CoCoA;
- Data analysis: SAS Data Management, SQL, Excel;
- Document preparation, especially for scientific

Scholarships and Awards

Languages

- Language: Italian mother tongue • Language: English Upper Intermediate (B2) – IELTS Academic: Grade: 6.5 (July 2019)

- Study award in favor of deserving students from the University of Bologna (1500€) 2021 Page 2 of 2