Thelxinoi Loukidou

The University of Chicago ◇ thelouk@uchicago.edu

EDUCATION

University of Chicago *2023-*
Ph.D. candidate in Mathematics
Advisor: Danny Calegari

University of Chicago *2022-2023*
M.S. in Mathematics

National And Kapodistrian University of Athens *2017-2021*
B.S. in Mathematics

PUBLICATIONS AND PREPRINTS

- *(Preprint)* I. Loukidou "*Infinite chains of perfect fits for Expanding Thurston maps*" (arXiv:2609.03838).
- *(Preprint)* D. Calegari and I. Loukidou, "*CaTherine wheels*" (arXiv:2604.24619).
- D. Calegari and I. Loukidou, "*Zippers*" (arXiv:2411.15610), Geometry & Topology 30 (2026), no. 5, 1931–1962.
- M. Axarlis, I. Deliyanni, Th. Loukidou, V. Nestoridis, K. Papanikos, N. Tziotziou: "*Topological and Algebraic Genericity and Spaceability for an extended chain of sequence spaces*" (arXiv:2110.01088), *Monatshefte für Mathematik (2023) 200:495–505.*

INVITED TALKS

- Indiana university Bloomington special geometry seminar: "*CaTherine wheels and expanding Thurston maps*" *October 2026*
- Purdue university geometric group theory seminar: "*CaTherine wheels and expanding Thurston maps*". *October 2026*
- International Young Seminar on Bounded Cohomology and Simplicial Volume: "*From flows to CaTherine wheels and back again*". *June 2026*
- Peking university Geometry and Topology seminar: "*From flows to CaTherine wheels and back again*". *May 2026*
- Georgia Topology Conference: "*From flows to CaTherine wheels and back again*". *May 2026*
- Cornell Topology Festival: "*The Cannon-Thurston map*" (introductory talk). *May 2026*
- AMS Fall central sectional meeting in St. Louis, special session on Topology and Group Actions: "*Zippers and Universal Circles*". *October 2025*
- Temple University geometry and topology seminar: "*Zippers!*". *March 2025*
- MIT geometry and topology seminar: "*Zippers!*". *February 2025*
- Washington University in St. Louis geometry and topology seminar: "*Zippers!*". *November 2024*

AWARDS

- Lawrence and Josephine Graves Teaching Prize, University of Chicago. *Spring 2026*
- McCormic Fellowship, University of Chicago. *2022*
- Excellence Award for ranking 1st in graduating class, Deptartment of Mathematics, NKUA (IKY). *2021*
- Eurobank Excellence Award, top Panhellenic Examinations score at music high school of Pallini. *2017*

CONFERENCES AND WORKSHOPS

- BICMR: Summer School on Complex Analysis: Interplay of Dynamics, Geometry, and Probability. September 2026
- Third Workshop of Greek Women in Mathematics. July 2026
- Georgia Topology Conference 2026.
- Cornell Topology Festival 2026.
- SLMath Introductory Workshop: Topological and Geometric Structures in Low Dimensions & Geometry and Dynamics for Discrete Subgroups of Higher Rank Lie Groups. *Winter 2026*
- AMS Fall central sectional meeting in St. Louis, special session on Topology and Group Actions. *Fall 2025*
- 42nd Annual Workshop in Geometric Topology 2025, Oberlin College. *Spring 2025*
- Arizona Winter Semester 2021: Virtual School in Number Theory. *Winter 2021*

TEACHING

- Instructor (Graduate Student Lecturer — UChicago)
  - MATH 11200: Studies in Mathematics I *Fall 2025*
  - MATH 15250: Mathematical Methods for Economic Analysis *Winter 2026*
  - MATH 15250: Mathematical Methods for Economic Analysis *Fall 2025*
  - MATH 15250: Mathematical Methods for Economic Analysis *Spring 2025*
  - MATH 13200: Elementary functions and Calculus II *Winter 2025*
  - MATH 13100: Elementary functions and Calculus I *Fall 2024*
- Teaching Assistant (College Fellow — UChicago):
  - MATH 20400: Analysis in Rn II *Spring 2024*
  - MATH 26200: Point-set Topology *Winter 2024*
  - MATH 20300: Analysis in Rn I *Fall 2023*

EXTRAS

- Musical studies in classical guitar: Professional soloist's diploma *2005-2021*
- Languages: Greek, English
- Other interests: literature, drawing, hiking, cooking, contemporary dance