

Curriculum Vitae of Anastasios Fragkos

Last Update: 18/10/2024

📌 Personal notes

Surname: Fragkos
Name: Anastasios
Father's Name: Evangelos
Mother's Name: Margarita
Place of Origin: Naoussa of Paros, Greece
Date of Birth: 14/07/2001
Native Language: Greek
Foreign Languages: English (B2 level)

📌 Education

- **Pure Mathematics:** BSc. Department of Mathematics, National and Kapodestrian University of Athens. Period: 2019-2023.
- **Pure Mathematics:** MSc. Department of Mathematics, National and Kapodestrian University of Athens. Period: 2023-current.

📌 Contact

E-mail:

afragos@post.com and afragos@math.uoa.gr and tassosfragos2001@gmail.com

📌 Websites

Main: <https://afragos-math.github.io/>

Academia: <https://uoa.academia.edu/AnastasiosFragkos>


📌 Academic experience

National and Kapodestrian University of Athens (Dept. of Mathematics):

- 141: Computer Science I (winter semester, 2023-24). Lab assistant.

📌 Publications in mathematics

Books:

- Geometric Calculus (under construction). (Along with: [Gialelis Nikolaos](#) and [Bitsouni Vasiliki](#)).
-  Mathematics Group - Vol A. (Along with several graduate and doctorate students).

📖 Lecture notes

MSc Thesis:

- [\[📄\]](#) Elliptic Systems of Phase Transition Type - Junctions and Vortices (Supervisors: [Nicholas D. Alikakos](#) and [Panayotis Smyrnelis](#)).

Graduate:

- [\[📄\]](#) (In collaboration with [Bizanos Konstantinos](#)) Introduction to Topology (under construction)
- [\[📄\]](#) Elements of Algebraic Geometry (--)
- [\[📄\]](#) The geometry behind a Reaction-Diffusion equation (August 2024)
- [\[📄\]](#) (In collaboration with [Bizanos Konstantinos](#)) Jacobi Fields (May 2024)
- [\[📄\]](#) The Heisenberg Algebra and Group (May 2024)
- [\[📄\]](#) Geometric Multilinear Algebra (January 2024)

Undergraduate:

- [\[📄\]](#) Computer Science I - Labs (September 2023)
- [\[📄\]](#) Schauder Bases - Brief analysis (April 2023)
- [\[📄\]](#) Topology - Lecture Notes (March 2023)
- [\[📄\]](#) Complex Analysis I (February 2022)
- [\[📄\]](#) Introduction to Plane Hyperbolic Geometry (September 2021)

More [can](#) be found on my main website.

📖 Some presentations of mine

- [\[📄\]](#) The geometry behind a Reaction-Diffusion equation (in 3 parts)
- [\[📄\]](#) The Heisenberg algebra and group
- [\[📄\]](#) (In collaboration with [Bizanos Konstantinos](#)) Jacobi Fields (in 2 parts)
- [\[📄\]](#) Multilinear Algebra and Differential Forms (Pages 55-79)
- [\[📄\]](#) Schauder Bases (Pages 51-55 & 57-62)
- [\[📄\]](#) Seeley's Extension Theorem (Pages 9-14)

📖 Articles

Wikipedia

My username is [AFragos](#).

- [Υπεργράφημα \(Hypergraph\)](#) (translation, additions. November 2022)
- [Συνδυαστικός σχεδιασμός \(Combinatorial Design\)](#) (translation, corrections. June 2022)

🏆 Honours and Awards

- Fully funded to attend [Festum-π Summer School](#), 08-13 of July 2024 (see [particip. list](#))
- Fully funded to attend [Festum-π Conference](#), 14-20 of July 2024 (see [particip. list](#))

🔗 Software I have knowledge of

- \LaTeX
- \XeLaTeX
- HTML
- MatLab
- Python

🔗 Seminars / Conferences

Seminars I have (co-)organised:

- Co-organiser of NKUA's & Eudoxus' (Association of Graduate Students and Doctoral Candidates of Dept. of Mathematics, NKUA) [Mathematics Study Group WS 2024-25](#). (Along with [Bizanos Konstantinos](#), [Oikonomidis Ioannis](#) and [Katsantonis Evangelos](#)). See [here](#) too.

Seminars, Conferences, Summer Schools I have attended:

- 16th Panhellenic Geometry Conference, 27-29 of September 2024 (I didn't apply to register though)
- [Festum- \$\pi\$ Conference](#), 14-20 of July 2024
- [Festum- \$\pi\$ Summer School](#), 08-13 of July 2024
- [Applied Analysis and PDEs Seminar](#), 2024
- [Environment and Climate Change - Association of Professors Emeriti](#), 2023

🔗 Volunteering

I am member of the [students' volunteer team](#), and therefore I administer the following e-classes:

- [Type-written Lecture Notes from Alumni and Students of the Department of Mathematics](#)
- [Old exams material](#)
- [Lecture notes for Graduate studies](#)
- [Lecture notes of 2023-24](#)
- [Lecture notes of 2022-23](#)

🔗 Others

- I represented the mathematics department of NKUA in the UoA Festival, 19-21 of October 2024
- I have tutored students (for free): Functional Analysis, Calculus of 1-variable, Linear Algebra, Real Analysis (Metric Topology), Ordinary Differential Equations.
- I have tutored some school students (for free).