


Anastasios Theodoropoulos

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Agrinio, Greece



Profile

- **Summary**

I am a Physics graduate student in Sorbonne University with an interest in General Theory of Relativity and Cosmology.

Education

- **M2 Degree: Nuclei, Particles, Astroparticles and Cosmology (NPAC) (2021-2022)**

Sorbonne University, Department of Physics

Elective courses: Cosmology, General Theory of Relativity, Particle Physics, Advanced Cosmology

Programming courses on manipulating astrophysical images from the ESO Digital Sky Survey (DSS) and extracting the Cosmic Microwave Background and its power-spectrum from the Planck satellite's maps.

Internship: Machine learning for Photometric Redshift estimation of LSST galaxies.

Supervisor: Prof. Simona Mei

- **Bachelor Degree: (2017-2021)**

University of Ioannina, Department of Physics

Degree Grade: Excellent: 8.68/10

Graduated with the highest grade among the Fall graduates

Bachelor Thesis: Accelerating expansion of the Universe, Dark Energy and analysis of observational cosmological data.

Supervisor: Prof. Leandros Perivolaropoulos

Grade: 10/10

Indicative Courses and grades: Cosmology (9/10), Gravity and General Theory of Relativity (8.5/10), Quantum Field Theory (8/10), Mathematics and Physics with the use of Computers (10/10), C (10/10) and C++ (10/10).

- **High School diploma: (2014-2017)**

2nd High School of Agrinio

Graduated with overall grade: 19.4/20

Personal Traits

- Hard working, patient and curious.

Publications

- **The Hubble Tension, the M Crisis of Late Time H(z) Deformation Models and the Reconstruction of Quintessence Lagrangians**

Anastasios Theodoropoulos, Leandros Perivolaropoulos

Universe 2021, 7(8), 300 • Contribution to: 1st Electronic Conference on Universe

DOI: 10.3390/universe7080300

The code used in the analysis of the paper is publicly available at my **GitHub** page.

Scholarships

- Sorbonne Universite SFRI/DSI fellowship
- "bourse d'excellence" from the Sorbonne Universite Initiative Physique des Infinis (IPI) Institute.

Awards & Recognition

- **Bronze Medal in the Greek Cadet Wrestling Championship**

Hellenic Federation Wrestling

2018

- **Honors in student Competitions**

Hellenic Physics Competition: (2014, 2017)

Participation in the Hellenic Mathematical Olympiad after two qualifying competitions: (2015-2017)

Conferences/Schools

- Gave talk on *32nd Hellenic Conference of Greek Mathematical Society (2015)* about: "Mathematical Models of the real world in secondary education."
- Hellenic Institute of Nuclear Physics' School (2018)
- Seminar given by the HELLAS-CH organisation with title: "Interaction of laser beams with matter: accomplishments and prospects" (2019)
- Gave talk on *36th Hellenic Conference of Greek Mathematical Society (2019)* about: "Unsolved Problems in teaching Mathematics."
- Onassis Foundation Science Lecture Series 2022: "The 2022 Lectures in Physics: Gravitational Waves"

Other Highlights

- Former member of the **Cosmology group** of University of Ioannina.
- I attended a First-Aid and CPR educational program given by the Hellenic Red Cross in 2016.

Skills

• Computer Skills

Operating Systems: Windows, Linux

Programming: C, C++, Python

Scientific Software: Wolfram Mathematica, SageMath, LaTeX, TensorFlow

• Languages

Greek: Native Language

English: Cambridge Level B2, Michigan Level C2

Professional References

- Leandros Perivolaropoulos: leandros@uoi.gr
- Delphine Hardin: hardin@lpnhe.in2p3.fr
- Simona Mei: mei@apc.in2p3.fr

Hobbies & Interests

- Sports: Wrestling and basketball.
- Free Time: Programming and listening to music.