

KONSTANTINOS KARPOUZAS

PHYSICIST

✉ karpouzas@astro.rug.nl

in [linkedin.com/in/154019187](https://www.linkedin.com/in/154019187)

PERSONAL INFORMATION

Date of birth: 14 August 1991 Thessaloniki, Greece

Nationality: Greek

🌐 Personal website: <https://kkarpouz.github.io/>

ACADEMIC QUALIFICATIONS

Ph.D. High energy Astrophysics

Kapteyn Astronomical Institute, University of Groningen

📅 Sept 2017 – present day

📍 Groningen, Netherlands

Research topic: Numerical models for the variability of neutron star X-ray binary systems

M.Sc. Computational physics (Grade: 9.58/10)

Aristotle University of Thessaloniki

📅 Sept 2015 – Sept 2017

📍 Thessaloniki, Greece

Research topic: Time series analysis and modeling of exoplanet light-curves from the Kepler satellite.

B.Sc. Physics (Grade: 8.09/10)

Aristotle University of Thessaloniki

📅 Sept 2009 – July 2015

📍 Thessaloniki, Greece

Specialization: Astronomy

REFEREED PUBLICATIONS

📄 Published Articles

- Tsiaras, A. et al. (2018). “A Population Study of Gaseous Exoplanets”. In: 155, 156, p. 156. DOI: [10.3847/1538-3881/aaaf75](https://doi.org/10.3847/1538-3881/aaaf75). arXiv: [1704.05413](https://arxiv.org/abs/1704.05413) [[astro-ph.EP](#)].
- Varley, R., A. Tsiaras, and K. Karpouzas (2017). “WayneA Simulator for HST WFC3 IR Grism Spectroscopy”. In: 231, 13, p. 13. DOI: [10.3847/1538-4365/aa7750](https://doi.org/10.3847/1538-4365/aa7750). arXiv: [1511.09108](https://arxiv.org/abs/1511.09108) [[astro-ph.IM](#)].

👥 Conference Proceedings

- Karpouzas, K. et al. (2018). “Probing the nature of the accretion flow in low mass X-ray binaries using the spectral-timing properties of the kiloHertz Quasi-Periodic Oscillations”. In: *42nd COSPAR Scientific Assembly*. Vol. 42. COSPAR Meeting,
- Karpouzas, K. (2013). “New software for exoplanet transit light curve optimization”. In: *11th Hellenic Astronomical Conference*, pp. 18–18.

COMPUTER SKILLS

Operational systems:

Linux

Mac OS

Windows

Programming languages:

Python

Fortran

C

Bash

Mathematica

Matlab

openMP

Web developing tools:

HTML

CSS

Graphics, documents and image processing:

LaTeX

, OpenOffice

Gnuplot

Registax

GIMP

LANGUAGES

Greek

● ● ● ● ●

English

● ● ● ● ●

Dutch

● ● ● ● ●

HOBBIES

- Hiking
- Martial Arts
- Astrophotography