KONSTANTINOS KARPOUZAS

PHYSICIST

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PERSONAL INFORMATION

Date of birth: 14 August 1991 Thessaloniki, Greece
Nationality: Greek

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. arXiv: 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. arXiv: 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 trasnit 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

Graphics, documents and image processing:

LaTeX, OpenOffice Gnuplot Registax GIMP

LANGUAGES

Greek ●●●●●

English ●●●●●

Dutch ●○○○○

HOBBIES

- Hiking
- Martial Arts
- Astrophotography