

Curriculum Vitae

Contact Information

Name: Gábor Kovács
Email address: g.kovacs@astro.elte.hu
Affiliation: ELTE, Eötvös Loránd University, Budapest, Hungary
Konkoly Observatory, CSFK, Budapest, Hungary

Studies

Primary School: Vörösmarty Mihály Primary School, Újszász
Grammar School: Verseghy Ferenc Grammar School, Szolnok

Bachelor Studies:

ELTE, Eötvös Loránd University, Bsc. Physics
Bsc. thesis: Period Doubling of Type II Cepheid Variables
Advisors: Emese Plachy¹
Emese Forgács-Dajka²
Year: Started: 2014; Finished: 2017

Master Studies:

ELTE, Eötvös Loránd University, Msc. Astronomy
Master Thesis: Multidimensional Modeling of Stellar Pulsation
Advisors: Róbert Szabó¹
Emese Forgács-Dajka²
Year: Started: 2017; Finished: 2019

Current PhD Studies:

ELTE, Eötvös Loránd University, Physics PhD School
Topic: Numerical modeling of stellar pulsations in 2D and 3D
Advisor: Róbert Szabó¹
Start year: 2019

Publications

- Plachy, E.; **Kovács, G. B.**; Forgács-Dajka, E.: *On the Period Doubling Behaviour of Three W Vir Stars*, 2018. Proceedings of the Polish Astronomical Society, Vol. 6.
- **Kovács, G. B.**; Szabó, R.; Nuspl, J.: *Study of Convection in One and Multi-Dimensional Pulsating Models*, 2020. Proceedings of the Stars in Space conference held in Vienna in August 2019, pp. 309-310.
- Balázs, L. G.; Nuspl, J.; **Kovács, G. B.**: *Some statistical remarks on near infrared lightcurves of classical cepheids* (Ast. Nach submitted)
- **Kovács, G. B.**; Szabó, R.; Nuspl, J.: *Comparison of the one-dimensional stellar pulsation codes* (in prep.)

Conferences

With poster

- 17-21. Sept. 2017. The RR Lyrae 2017 Conference:
E. Plachy, **G. B. Kovács**, E. Forgács-Dajka: *On the Period Doubling Behaviour of Three W Vir Stars*
- 19-23 Aug. 2019. Wien, Stars and their Variability Observed from Space:
G. B. Kovács, R. Szabó, J Nuspl: *Study of Convection in One and Multi-Dimensional Pulsating Models*

As contributor:

- 21-22. Jun. 2018. GPU Day, Topic: *Discretized Models of Radially Pulsating Star*

¹ Konkoly Observatory, CSFK, Hungary

² ELTE, Eötvös Loránd University, Hungary

Honors, awards

- 34th National Scientific Students' Associations Conference: Highlighted Special Award
- Young Talent of Újszász: Home city award

Employment History

- Information Bulletin on Variable Stars – editor assistant (2017)
- Observatory assistant (numerical modelling), Konkoly Observatory (2017-2018)

Interested topics in astronomy

- Stellar pulsation, stellar hydrodynamics.
- Time-dependent convection theory
- Numerical modelling.

Hobbies, other interests

- Historical readings
- Hiking