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Curriculum Vitæ — doc. Mgr. Miroslav Brož, Ph. D.

Name: Miroslav Brož

Date of birth: Sep 24, 1975

Place of birth: Pardubice, Czechoslovakia

Nationality: Czech

Home address:

Fibichova 998/3, CZ-50002 Hradec Kralove, Czech Republic

Professional address:

Charles University, Faculty of Mathematics and Physics

V Holešovičkách 2, CZ-18000 Praha 8, Czech Republic

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Education:

1999: MSc. in Astronomy, Charles University (Prague, Czech Republic)

thesis "Orbital evolution of asteroid fragments due to planet gravitation and thermal effects"

supervised by prof. RNDr. David Vokrouhlický, DrSc.

2006: PhD. in Astrophysics, Charles University (Prague, Czech Republic)

thesis "Yarkovsky effect and the Dynamics of the Solar System"

supervised by prof. RNDr. David Vokrouhlický, DrSc.

2015: Doc. in Astrophysics, Charles University (Prague, Czech Republic)

thesis "Per asteroides ad astra"

Appointments:

2006–now: Charles University (Prague, Czech Republic)

1999, 2001–2022: Observatory and Planetarium (Hradec Králové, Czech Republic)

Awards:

Asteroid (16244) was named Brož.

The textbook 'Physics of the Solar System' received Dean's award in 2013.

The lecture 'Physics of small Solar System bodies' received Dean's award in 2015.

The textbook 'Astronomical measurements' received Dean's award in 2017.

The lecture 'Astrophysics for physicists' received Dean's award in 2019.

The Kopal lecture in 2024.

Membership:

International Astronomical Union, Commission No. 7

American Astronomical Society, Division for Planetary Sciences

Invited Lectures:

MIT EAPS Seminar, Cambridge, USA, 2025

Binary and Multiple Stars, Litomyšl, Czech Republic, 2024

Les Houches Winter School, Les Houches, France, 2024

Hvar Stellar Meeting, Hvar, Croatia, 2023

Observing techniques III, Tatranska Lomnica, Slovakia, 2023
Universe of Binaries, Telc, Czech Republic, 2019
Main Belt Workshop, Villasimius, Italy, 2019
Collisions in the Solar System, Belgrade, Serbia, 2015

Grants:

2025: GACR 25-16507S Early dynamics of planets and analysis of asteroid populations (team member)
2025: GACR 25-16789S The Gaia-Xshooter survey of 'promising' asteroid families (team member)
2021: GACR 21-11058S Early orbital and chemical evolution of planetary systems (team member)
2019: GACR 19-01995S Studying long-term variability and duplicity of individual classical as well as other Be stars ... (team member)
2018: GACR 18-06083S Evolution of solid bodies in protoplanetary disks and during collisions (team member)
2015: GACR 15-02112S Multiple stellar systems as the keys to understand dynamical evolution of stars (team member)
2013: GACR 13-01308S Dynamics of small solar-system bodies (team member)
2010: TACR TA01011018 Algorithms and technologies for development of autonomous astronomical observatories (second investigator)
2008: GACR 205/08/0064 Yarkovsky and YORP effects in translational and rotational dynamics of asteroids (team member)
2007: GACR 205/08/P196 The origin of asteroids inside gravitational resonances ... (principal investigator)

Teaching:

2008-now: Astrophysics II (4/0)
2008-now: Physics of the Solar System (2/0)
2008-now: Astrophysics for physicists (2/0)

Number of students (defended): 13 Bc., 9 (7) MSc., 5 (4) PhD.

H-index: 23

Number of publications: 80

Number of citations (without self-citations): 2073 (1819)

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