Borodina Olga

E-mail: ol.borodina@icloud.com

GitHub: olgaborodina

Tel.: +7(916)-437-85-64

Education

- Ural Federal University (2015 – 2019)
  - > Math and physics
  - > Astronomy (astrometry, astrophysics, galactic astronomy, geophysics, celestial mechanics, observational astronomy)
- Moscow Institute of Physics and Technology (2019 – now)
  - > Plasma physics

Experience and achievements

- Annual *conferences* "Physics of Space", Ekaterinburg (2016 – 2019)
  - > Presentation of projects (open clusters and binary stars in open clusters using 2MASS database and GAIA DR1 and DR2)
  - > Extra-activity organization (olympiad, intellectual games, excursions etc.)
- Poster *presentation* (2018)
  - > Presentation of open cluster research team projects
- *Teaching* astronomy (2017 – 2019)
  - > Working with high school students, teaching different astronomy levels (from basic to olimpiad)
- *Article* in the Astrophysical Journal (2019)
  - > Develop new method of modeling binary stars
  - > Research effect of unresolved binaries in the derivation of open clusters' mass by star counts
- *Internship* (Kourovka Astronomical Observatory, 2018)
  - > Sun telescope (spectroscopic observations)
  - > Reflecting telescope, 70cm with multichannel photometer
  - > The MASTER-II-Ural telescope

Skills

- Programing ability
  - > Python, C++, TopCAT
- Languages
  - > Russian (native), English (fluent), Spanish (intermediate)
- Teaching skills
- Soft skills
  - > Organization, presentation skills

Interests in science

- Open clusters
- Physics of binary stars
- Stellar astronomy

- Galactic astronomy