Artem Riabinin

Student

- 30 July 2001
- Moscow, Russia
- +79101375189
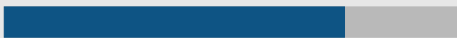- https://istina.msu.ru/profile/Riabinin_Artem/
- riabinin.aa19@physics.msu.ru

About me

I am currently in the 4th year of the Mathematics Department of the Physics Faculty of Moscow M.V. Lomonosov State University. My research interests lie in applied mathematics, namely, in numerical methods, inverse ill-posed problems and their applications. Now I am engaged in the scientific research work devoted to the processing of images obtained by laser radars.

Skills

MATLAB

LaTeX

Wolfram Mathematica

Python

Origin

Testing⋆3.50 Azure Devops⋆3

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Interests

Numerical Methods, Inverse and Ill-Posed Problems.

Education

Since 2021	Department of Mathematics, Faculty of Physics, Moscow M.V. Lomonosov State University	Higher education

For the period of training at Department of Mathematics I have passed a number of courses connected with applied mathematics (numerical methods, functional analysis, theory of random processes and other), all of them I passed with top mark.

Since 2019	Faculty of Physics, Moscow M.V. Lomonosov State University	Higher education

Currently I graduate from the 4th year of the Bachelor's program and my grade point average comprises 4.88/5.

2017 - 2019	Correspondence School of Physics and Technology, Moscow Institute of Physics and Technology	School education

In 2019 I graduated with honours this school of additional education.

2015 - 2019	Physics and Technology Lyceum № 38	School education

For the period of education at specialized technical lyceum I won and became the winner of different Olympiads in physics and mathematics as regional as well as of All-Russian level.

Work experience

Since 2021 — Laboratory assistant of the Physics Department of the Physics Faculty of Moscow M.V. Lomonosov State University

For the period of my work on the base of Moscow State University I developed and conducted two academic courses aimed at training of school students for experimental round of All-Russian Olympiad of school students in physics.

Research experience

Since 2021 — COMPARISON OF REGULARIZATION METHODS FOR SOLVING THE PROBLEM OF IMAGE RECONSTRUCTION BASED ON MEASUREMENT DATA OBTAINED BY LASER RADARS

Since 2021 we have been carrying out research work and comparison of different regularization methods for solving the problem of image processing based on measurement data obtained by laser radars within the group together with the assistant professor of the Department of Mathematics Dmitry Lukyanenko under the authority of professor of Department of Mathematics Anatoly Yagola.

2022 — DEVELOPMENT OF A DISTANCE LEARNING SYSTEM, AUTOMATION OF THE EDUCATIONAL PROCESS AND KNOWLEDGE CONTROL

Besides scientific activity at the Department of Mathematics I practice the development of a distance learning system on the base of Moscow State University for school students, for whom I give lessons at above mentioned academic courses.

Other information

Review

I characterize myself as a responsible, motivated, optimistic person, adaptable to new conditions, able as independently, as well as in the team to work over complicated problems for a long time and on the system level.