CURRICULUM VITAE

Anna Muranova

Date and Place of Birth: November 15, 1991. Vitebsk, Republic of Belarus.

Citizenship: Republic of Belarus

e-mail: anna.muranova@gmail.com

Current postal adres: 11-041 Olsztyn, ul. Liliowa 17 m.9

Phone: +48 884 798 162

Languages: Russian(mother tongue), English, Spanish, Polish.

My present scientific interests: Laplace operator on graphs, analysis on graphs, Markov chains and Probability Theory.

Experience

01.10.2012 - 01.06.2013 - laboratory assistant at Research Institute for Applied Problems of Mathematics and Informatics of Belarussian State University (Minsk, Belarus). At this period I was investigated genetic sequences (DNA) using probability theory.

07. 2014 - present time: programmer at company "Mitar-Met"(pr.Chernyakhovskogo, 33-6, Vitebsk, Belarus)

Education

01.09.2009 - 30.06.2014 student of the Math. Department of Belarusian State University.

Dyploma with honors.

Qualification: mathematician.

Diploma/Master thesis: "Varieties of representations of finitely generated groups"

Abstract: In this paper the varieties of low-dimensional representations of some finitely generated groups were considered and were proved theorems about quantity of its irreducible components. This results characterize deep internal properties of finitely generated groups. In the work, as auxiliary results, dimensions of commutator varieties for matrices of dimensions 2, 3 and 4 were calculated. This work consists of five sections, introduction, conclusion and bibliography. In the first section there is a theoretical material of algebraic geometry. In 2-4 sections dimensions of commutator varieties were calculated. In 5 part theorems about quantity of irreducible components of low-dimensional representations of some finitely generated groups were

proved.
Grade: 10.

Conference

71th scientific conference of studentes and graduate students of Belarussian State University, may 18–21, 2014, Minsk, Belarus

Publication

1. *Muranova A*. On dimensions of commutator varieties in case of low-dimensional matrices.Proceedings of 71th scientific conference of studentes and graduate students of Belarussian State University, Minsk, may 18–21, 2014: in 3 parts. Part 1. – Minsk : Publishing center of BSU, 2014. – p 18-22. (In Russian. *Муранова А. Ю.* О размерностях коммутаторных многообразий в случае матриц малой размерности. Сборник работ 71-й научной конференции студентов и аспирантов Белорусского государственного университета, Минск, 18–21 мая 2014 г. : в 3 ч. Ч. 1. – Минск : Изд. центр БГУ, 2014. – с 18-22.)