

«KAZAN (Privolzhsky) FEDERAL UNIVERSITY»
REVIEW
for master's thesis
«Analysis and investigation of the convergence of the Bezout coefficients search
algorithm»

Student's name Zhumaniezov Alisher Ravshonbekovich

Reviewer Kugurakov Vladimir Sergeevich

In the final qualifying work "Analysis and investigation of the convergence of the Bezout coefficients search algorithm" Zhumaniezov A. R., the analysis of basic and extended Euclidean algorithms was carried out. The analysis of existing schemes of optimization of the basic Euclidean algorithm is carried out and the analysis of their modifications for the extended Euclidean algorithm is carried out. A program was implemented to measure the time performance of all the algorithms considered for subsequent comparison. The results obtained by the author of the work, can later find their application in everyday life.

The author substantiates the relevance of the research topic on the basis of studying a small number of scientific literature. Brief conclusions contained in the end of the paper and in the Conclusion follow logically from the material presented by the author, and allow us to obtain a brief information about the main provisions of the study by Zhumaniezov A. R.

The content of the master's thesis corresponds to the assignment. The questions posed in the assignment have been fully resolved. The material presented in the paper testifies to the author's understanding of the topic under consideration. The material is presented correctly, and the style of writing an explanatory note corresponds to the level of master's preparation.

Master's thesis is designed in accordance with all requirements and has practical value. I think that the work deserves an "excellent" evaluation, and Zhumaniezov Alisher Ravshonbekovich deserves the assignment of a master's degree.

Reviewer

docent, PhD V. S. Kugurakov

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