

ABSTRACT

Diploma project contains 101 pages, 9 fig., 8 tables, 2 appendixes. 23 sources were used.

The purpose of the project is to analyze and compare efficiency of classical and modified simplex-methods in economy. The aim of the research is to develop software that implements both classical and modified simplex-methods for solving linear programming problems. The project was implemented in PHP programming language. As result we submit the results of use of the mentioned methods on the examples of some economic problems and comparative efficiency analysis on different classes of problems. We recommend using the software implementation in the accounting department of industrial enterprises or research department of the bank.

LINEAR PROGRAMMING EQUATION, SIMPLEX-METHOD, MODIFIED
SIMPLEX-METHOD