ABSTRACT

The thesis is presented in 50 pages. It contains 2 appendixes and bibliography of 20 references. Six figures and 7 tables are given in the thesis.

The goal of the thesis is to develop mathematical and software tools for solving the problem of distribution of tasks and time-management. Thesis describes basic techniques and the analysis and comparison of existing software solutions of time management. There are some mathematical methods for solving this problem, such as the method of mathematical programming combinatorial approach, heuristic approach, the method of probabilistic and statistical modeling. Comparison of these methods was done. Heuristic approach was chosen for solving the problem.

The software allows to sort the list of user-defined tasks. The developed system is tested.

Keywords: time-management, planning, schedule, task, task optimization.