

## ABSTRACT

The thesis is represented in 59 pages. It contains 2 appendixes and bibliography of 15 references. There are 24 figures and 3 tables in the thesis.

The main objective of the thesis is to solve the problem of car plates and car logos recognition with the help of developed software system.

In the thesis, existing solutions for car plates and logo images recognition are analyzed. They are compared in terms of the accuracy of obtained results, algorithm efficiency and method adaptation to images. The method of comparing with ideal was used for the solution of task.

The automated system that implements the chosen method is developed. The developed system is tested.