

ABSTRACT

Topic: Module of autonomous navigation of self driving trolley.

Thesis contains 86 p., 9 tabl., 22 fig., 2 ext., 11 references.

ARTIFICIAL INTELLIGENCE, MACHINE EDUCATION, NEURAL NETWORK, IMAGE CLASSIFICATION, CONVOLUTIONAL NETWORK, TECHNOLOGY, DEVELOPMENT.

Object of research - Models of autonomous navigations, their types and standards.

Subject of research - The module autonomous navigation of self driving trolley.

The purpose of the work - Architecture development and description of the principles of the module autonomous navigation of self driving trolley, practical implementation of the system.

Relevance - Ensuring the accuracy of the autonomous with the minimum necessary use of resources.

The results of the work are:

- the proposed architecture of the module of autonomous navigation;
- Selected configuration parameters of the module;

Novelty of work: - The method that allows to see the direction of way for trolley was chosen. The control of the trolley without human interference was implemented.