

ABSTRACT

The theme is “Analysis of investment attraction of auction houses’ stock using Mamdani fuzzy neural networks”.

Diploma contains: 67 p., 15 fig., 7 tabl., 2 appendixes, 9 sources.

Thesis: 67 p., 15 fig., 7 tab., 2 applications 9 sources.

Object of study - business processes, their modeling using finite automata.

Purpose - to participate in the development platform for business process modeling, create it in real business project and analyze the advantages / disadvantages compared to existing solutions.

Subject of investigation - the practical application of finite automata.

The urgency of the work is to participate in creating a real project to create a platform for modeling and running business processes.

The paper reviewed and analyzed types of business processes, principles of their functioning in the real world and the use of finite automata for their automation.

Created by the development team, an online platform for modeling and running finite automata.

Platform is implemented in PHP, core for processing finite automata in Python, and uses Javascript, HTML, CSS and related technologies.

BUSINESS PROCESS, FINITE-STATE MACHINE, SIMULATION