

ABSTRACT

The thesis is presented in 35 sheets. It contains 3 appendixes and bibliography of 12 references.

The goal of the thesis is to develop a system of parallel computing optimization solution. As an advantage of solving SLE that provides inductive modeling approach in the absence of a priori information about relationships in the analyzed models or information about the structure of the model is missing.

As part of the project work was analyzed existing methodologies for software development and methods of solving this problem. As a test case considered the possibility of developed software to solve the problem by approximating COMBI.

As a result, system was developed on the programming language C#. The developed system is testes based on the real projects data.

The results of graduate design software system developed in the programming language C #.

Keywords: parallelization, COMBI, inductive simulation systems, parallel computing SLE.