

ABSTRACT

The work is presented in 50 pages. It contains 2 appendices and bibliography of 9 references. 21 pictures and 3 table are given in the thesis.

The goal of the thesis is to simplify the process of creating and testing technical documents by creating software of the automated systems for text parsing a template.

The paper analyzes different types of parsers: top-down and bottom-up parsers, such as recursive descend parser with or without returns, LR parser and GLR parser. They are compared in terms of insistence to grammar, errors handling, simplicity of implementation. In the thesis, top-down parsing without returns is selected.

Automated system for parsing text is developed. The system is tested with the real data.

Keywords: context-free grammar, recursive descent parser, analyzing technical documents.