ABSTRACT

The theme: «The system of assembling and memory work visualization».

Thesis explanatory note: 85 p., 25 fig., 14 tabl., 2 append., 3 sources.

ASSEMBLER, ASSEMBLER LANGUAGE, VIRTUAL MACHINE, VISUALIZATION OF WORK OF MEMORY, NUMERICAL TRANSFER, NUMERICAL SYSTEM, DISASSEMBLER

Actuality: Assembler language is a powerful tool that helps to identify all the features of hardware and software.

Therefore, this study, that is, the construction of the assembly system and the virtual machine, is necessary for understanding the architecture of the computer.

The purpose of this work is the research in the field of assembling, namely the execution of the process of visualizing memory work..

The purpose of the work is the syntax of the assembly language language of the Corewar program. Methods of research: assembler language, numerical systems. Methods of research: assembler language, numerical systems. Following the construction of the models, an analysis of the results of the software product was conducted.

Obtained results: The software product developed consists of an assembler, a disassembler, a virtual machine and a tool for visualizing the memory of the virtual machine.