ANNOTATION

Diploma is sacred to research of facilities of the automated projecting of digital automats in the Active-VHDL system.

The purpose of diploma is researching of basic functional possibilities of the FSM module, which enters in the complement of the Active-HDL system.

The analysis of general principles of building digital automats, languages of their description, methods of connection, and also basic methods of synthesis of managing automats is conducted in this work. The user interface of the FSM module, tools, its basic possibilities and features of description of digital automats are researched. Projecting of a few digital automats of supervisory and managing sites is executed by means of the FSM module for research of its basic functional possibilities. As a result of work methodical recommendations of executing of laboratory works, which include construction of digital automats in the Active- HDL system using FSM module, were made.

As a result of implementation of this work, basic dignities and lacks of the FSM module as tools of the automated planning of digital automats, were marked.

The volume of work makes 83 pages. Work contains 49 pictures, 22 tables. For preparation of work 16 literary sources are used.