

The goal of this thesis was to create a program (AlgoShow) for explanatory chart of algorithms' process. Algorithms are written in the form of user-defined scripts that offers various functions for graphic presentation of algorithm's process. The thesis describes the program from both user's and programmer's points of view. The text includes short introduction into algorithm visualization, comparison of the AlgoShow program with another similar tools, description of design and implementation of the program including the method of script's interpretation. The thesis also includes characterization of essential program's features and detailed description of scripting language.