

The result of this bachelor thesis is an application for teaching graph algorithms intended to be used at technically oriented high schools and universities. The application comes with a proprietary language Cb, which is used to write before mentioned graph algorithms. In this text we shall discuss processing and presentation of algorithms, thus we will take a look at compiler and its construction and stepping of algorithms during run time. To draw the graphs we use force-directed graph drawing algorithms for generating the layout of graphs automatically on a computer screen.