

## **Annotation**

In this graduation project, research and modeling of the neural network in the auditory system were performed using the MATLAB program. The foundations and tasks of the neural network are determined. During the work, the NNTool polyphase structures were simulated using the MATLAB graphical programming environment for modeling - MATLAB Simulink. The MATLAB program modulating an artificial neural network shows advantages over the MATLAB Simulink application. In this work, the main tasks were completed, the issues of the business plan and life safety were considered