

Bachelor thesis: 71 p., 22 fig., 7 tabl., 2 appendixes, 20 sources.

Object of research: music style recognition.

Subject of research: classification methods of audio signals.

Objective: to develop a musical style recognition system composition with usage of deep learning.

Method of research: spectrogram, convolutional neural network.

Relevance: automatic structuring of music that is available in digital form.

In this paper reviewed existing feature extracting methods from sound, methods of classification and software, developed program for recognizing music style of composition, analyzed system quality.

The program implemented with Python with using machine learning library TensorFlow.

MUSIC STYLE RECOGNITION, SPECTROGRAM, CONVOLUTIONAL NEURAL NETWORK, DEEP LEARNING, CLASSIFICATION