

ABSTRACT

This thesis is completed on 51 sheets, it contains 2 applications and a list of references to used sources of 6 titles. The paper contains 15 figures and 2 tables.

The purpose of this thesis is to create a convenient platform for streaming video.

Existing solutions for this task are considered, namely video hosting Youtube, the Twitch platform and the Instagram application. Several methods for processing and compressing video were considered and investigated: Moving Picture Experts Group (MPEG), fractal algorithm, recursive (wave algorithm). After analyzing all the methods discussed, the MPEG algorithm was chosen to solve the problem.

The platform that implements the chosen method is developed. The tested platform is tested.

Keywords: platform, video compression, streaming video streaming.

