ABSTRACT

Thesis: 84 p., 25 fig., 7 tabl., 1 append., 19 sources. MACHINE TRAINING, NEURAL NETWORKS, CLASSIFICATION, SKIN DISTRIBUTION, SCINDER, ALGORITHM OF IMAGE CLUSTERIZATION.

Object of research: algorithms for skin detection.

Purpose: to explore different approaches to the application of neural networks for the detection of skin in the video stream.

Subject of research: application of neural networks for the detection of skin in a video stream.

The diploma project is devoted to the application of neural networks for the task of skin detection in a video stream. This work is especially relevant because skin detectors are used in many spheres of human life, including medicine and art. The paper examines the existing methods of skin classification and proposes a new method. A comparative table of results is given.