ABSTRACT

Yavorskiy A.I. Research of algorithms and methods of filtration of analysis of digital representations

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Research of algorithms and tools of filtration and analysis of images is conducted in master's degree work, namely exposure and indemnifications of noise effects. The article of research is programmatic tools of the automated filtration and analysis of images. A research object is algorithms and methods of filtration and analysis of images. During implementation of diploma work the next put tasks were decided: the existent methods of determination of noises are analysed on the sequences of images; the methods of indemnification of noises are analysed, comparison of existent programmatic foods of subject domain is conducted; the chosen method is for determination of noises; the chosen method is for indemnification of noises; the realized chosen methods and algorithms of determination of rain are on a videosequence; testing of software product and analysis of results is conducted.

As a result of decision of problem data a software product which will allow to improve quality detection and removal of noise effects on images and their sequences is worked out.

Keywords: detection of motion, hindrance, filtration, digital representation, noise.