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Average and dominant banknotes colors’ digital determination for wear measurements

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Determining wear measurements and due to the date withdrawal of banknotes from general usage have been pointed out among the crucial challenges in circulation’s digital control system. Providing accurate estimates and wear measurements for both the Ukrainian hryvnia banknotes and other currencies today has become an important scientific problem that requires immediate solutions and further researches by national experts.

This research’s purpose is to create software to improve automation process in the image control evaluation for banknotes using digital means.

The technology for optical method’s improvement in wear measurements for banknotes by implementing proposed software for average and dominant color field determination in banknotes digital image were firstly proposed in the research.