

Image processing comprises many useful techniques for fixing and correcting of digital photographs, such as noise filtering, sharpening of images, color balancing, and many others. The aim of the work is to design and implement a portable tool that would allow easy integration of existing implementations of such techniques, providing its users with a unified and easy to use interface. The tool offers basic functions for image browsing, viewing, and processing. The advanced functions include image bending – manual combining of photographs of the same object taken with different exposures into a single photograph with higher dynamic range. The tool makes it possible to apply some of the operations to a group of images. These operations are image rotation, image rescaling, and median filtering. The extension mechanism of the tool includes support for adding new image processing operations, applying operations to a group of images, extending the range of supported image formats, modifying and extending user interface of the program.