The method of image pre-filtering to improve the accuracy of recognition

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Solution of the recognition problem of various objects in images is usually difficult because of the presence of various kinds of distortions. This paper describes a method of pretreatment of images using bilateral and shock filters for subsequent pattern recognition method of contour analysis. Assessment of the recognition quality, when using these filters, and without filters for different parameters is made.

Keywords: *pattern recognition, image processing, bilateral filter, shock filter, contour analysis.*

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