

IRIS BOUNDARY DETECTION USING HOUGH TRANSFORM

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This work deals with method for localizing and estimating the iris characteristics in biometric eye images. A method is proposed for estimating boundaries by the second-order curves, which is based on a discrete Hough transform modification. An algorithm for iris localization in the diagnostic iris images is developed and implemented. The results of investigation of the iris characteristics estimation algorithm on natural diagnostic images are discussed.

Integral geometry, discrete Hough transform, object detection, iris, stochastic search

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