IRIS IMAGE ANALYSIS USING THE RADON TRANSFORM

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This work deals with looking into the possibilities of using the Radon transform for analysis of color images of iris. A technology for generating the feature vector using the Radon image constructed in HSL color space is developed. The features we propose in this work are shown to have high separability for different classes of iris images, which is of particular interest for biometrical identification purposes.

Iris image, Radon transform, color spaces, classification, biometrical identification

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