Comparison of Edge Detection Techniques for Iris Recognition

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 149
Number 9

Year of Publication: 2016

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10.5120/ijca2016911572

Abstract

Nowadays security and authentication are the foremost parts of our daily life. Iris is the one of the most reliable organ or part of the human body which can be used for identification and authentication purpose. This paper examines for edge detection techniques use for iris recognition system. Between the prewitt, sobel, LoG, Min constructor of laplacian edge detector techniques the experimental results show that minimum constructor of laplacian edge detector (Hybrid) has better ability to detect edges in digital image.

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**Index Terms**

Computer Science  
Pattern Recognition

**Keywords**

Sobel, Prewitt, LoG, Min.constructor of laplacian edge detector(Hybrid), SSIM