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.

References

Comparison of Edge Detection Techniques for Iris Recognition

Recognition Using DWT. International Journal of Computer Technology and Applications, 2, pp. 884-893


12. S. Lakshmi and Dr. V. Sankaranarayanan “A study of Edge Detection Techniques for Segmentation Computing Approaches” IJCA Special Issue on Imaging and Biomedical Applications” CASCT, 2010. [3] Edge Detection by Trucco, Chapter 4 and Jain et al., Chapter 5


14. M sudarsha*” p ganga Mohan and suryakanth v gangashetty “Optimized edge detection algorithm for face recognition”.


27. U.G. Sefercik, O.E. Gulegen, “Edge Detection in geologic formation extraction: Close range and remote sensing Case studies”


Index Terms

Computer Science

Pattern Recognition

Keywords

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