Abstract

Image enhancement is a primary need for the recognition of different biometrics in biometric-based identification systems. The recognition-rate of a biometric system depends heavily upon the quality of the input biometric given to the system. In this paper, a novel hybrid Fuzzy model (IEHFS) is proposed to improve the visual quality of iris images. The experimental results based on calculating PSNR values show that this hybrid model enhances the noisy biometric images better than the conventional filters like median filter and Wiener filter.

References


Index Terms

Computer Science
Fuzzy Systems
Keywords
IEHFS  Wiener filter  Median filter  Top hat and bottom hat  PSNR  SSIM