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Abstract

Biometrics is automated tool of recognizing a person depends on physiological or behavioral characteristics. A palm vein is a new member of pattern recognition and biometrics family, has attracted much of the research attention. This paper discusses about the image enhancement operation such as histogram equalization, de-correlation stretch, and contrast stretch etc. which results a quite enhanced palm vein image. The enhanced palm vein image analysis is framed using 2-D wavelet tools and a comparison based on statistical data of these images is shown. The paper also discusses about the usefulness of 2-D wavelet tool for image analysis.

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Index Terms

Computer Science Image Processing

Keywords

Biometrics Polyu Multispectral Image Database Pattern Histogram Equalization

Wavelet

De-correlation.