Abstract

Signatures of individuals play an important role in financial, commercial and legal transactions and hence require a secured recognition and verification system. This paper presents a novel approach towards signature recognition using Fourier Descriptors. The signature image is enclosed in a closed contour and the Fourier terms of these contours are computed by representing the contour in a complex plane. The FDs computed are then fed to K-NN classifier for recognition. The proposed system exhibits good recognition accuracy.

References

   Batista, L., Rivard, D., Sabourin, R., Granger, E., Maupin, P.: State of the art in off-line


**Index Terms**

Computer Science  
Pattern Recognition

**Keywords**

Fourier Descriptors, recognition, signature, biometric.