Abstract

Dynamic signature recognition is one of the commonly used biometric traits. In this paper we propose use of Gabor filters based feature for verification of dynamic signature. We incorporate the timing information available in the signature along with the Gabor filter response to generate the feature vector. Gabor filters have been widely used for image, texture analysis. Here we present analysis for the Gabor filter based feature vector of a dynamic signature.

Reference

- D. Hamilton, J. Whelan, A. McLaren, “Low cost dynamic signature verification system”,

Authors:

H B Kekre

V A Bharadi

10.5120/639-895

{bibtex}pxc387895.bib{/bibtex}

- H B Kekre, V A Bharadi, “Signature Recognition using Cluster Based Global Features", IEEE International Conference (IACC 2009), Thapar University, Patiala- Punjab, India. March 2009,

- R. Doroz, K. Wrobel “Method of Signature Recognition with the Use of the Mean Differences”, Proceedings of the ITI 2009 31st Int. Conf. on Information Technology Interfaces, June 22-25, 2009,
- SVC (Signature Verification Competition) database available at the website: http://www.cse.ust.hk/svc2004/index.html
- C. Z. Wen, J.S. Zang, “Palmprint Recognition based on gabor Wavelets and 2-Dimensional PCA", Proceedings of the 2007 International Conference on Wavelet Analysis

**Index Terms**

Computer Science

Pattern Recognition

**Key words**

Gabor Filter

Dynamic Signature Recognition