Abstract

In this paper, an effective biometrics method based on hand geometry is presented for biometric identification or verification system. Biometrics-based authentication is a verification approach using the biological features inherent in each individual. They are processed based on the identical, portable, and arduous duplicate characteristics. The principal lines and texture are two kinds of salient features of palmprint. A few years ago, a new branch of biometrics technology, palmprint authentication was proposed whereby line and points are extracted from palms for personal identification. In this paper, we consider palmprint as a piece of lines and texture and apply palmprint identification techniques for extracting feature to palmprint authentication.

References


3. Feng Yue, Wangmeng Zuo and Kuanquan Wang, "FCM-based orientation selection for competitive coding based “Palmprint recognition”, Biocomputing Research, and school of computer science and technology, Harbin Institute of Technology, Harbin, China, 2010."


**Index Terms**

Computer Science

Image Processing

**Keywords**

Palmprint identification method, feature extraction, palmprint.