Abstract

For more than a century fingerprints were considered to be the identifying mark for the human beings. Fingerprint is a protected human organ and an effective biometric approach to human or personal identification. It acts like living passwords for humans as its texture is stable throughout the human life. Fingerprints are an impression left by the friction ridges of human finger. This paper contains a very useful image segmentation method for fingerprints segmentation by taking the idea from friction ridges of human finger and also with an effective storage capacity for the segmented images. Watershed algorithm depends on ridges to perform a proper segmentation, a property that is often fulfilled in contour detection where the boundaries of the objects are expressed as ridges. The tool we have used is MAT LAB, typically using the MAT LAB editor.

References

An Effective Human Fingerprint Segmentation Method using Watershed Algorithm


Index Terms

Computer Science
Image Processing
Keywords
- Image segmentation
- Fingerprints
- Watershed Algorithm