Abstract

Biometrics is used for authentication purpose. Among the various types of biometrics, fingerprint is the most widely accepted biometrics. Biometric systems have several advantages when compared to classical methods such as passwords. Biometric system is vulnerable to various types of attacks. This paper proposes a method to avoid the sensor level attack. This method uses limited ring wedge spectral energy, Inhomogenity and Directional Contrast. The limited ring wedge spectral density is the global quality measure.

Inhomogenity and Directional Contrast are the local quality measures.

References

2. Javier Galbally, Fernando Alonso-Fernandez, Julian Fierrez and Javier Ortega-Garcia, A


Index Terms

Computer Science

Security

Keywords

Spoof, fingerprint, Spectral energy, inhomogeneity, directional contrast.