Abstract

Iris recognition is regarded as a most reliable and accurate biometric identification system. Daugman's Integro-differential operator is a linear search method which makes the identification process extremely slow as well as increases the false acceptance rate beyond an acceptable range. The present work uses distance regularized level set evolution (DRLSE) method on CASIA-V3-Interval database and applies a suitable algorithm to detect the iris from an image. The two techniques i.e., Daugman’s Integro-differential operator and DRLSE are compared based on accuracy and time taken to localize the iris.

References

- S. Dey, and D. Samanta, "Iris data indexing method using Gabor energy
Comparison of Two Iris Localization Algorithms


Index Terms

Computer Science  Algorithms

Keywords

Iris localization  Daugman's Integro-differential operator  distance regularized level set evolution algorithm.