Abstract

Security is one of the most important aspects in today's computer environment. Especially, person authentication now a day is necessary to maintain security of computer based systems. Biometric authentication methods are becoming popular since last decade. Face recognition is one of the mature and popular biometric authentication methods. Today, with this paper, discussion on identifying best suitable samples for generating training database has been done. PCA based face recognition approach using Eigenface method has been discussed for the said purpose.

References

- Divyakant Meva, CK Kumbharana, &quot;Study of different trends and techniques in face recognition&quot;, International Journal of Computer Applications, Volume 96– No. 8, June 2014, pp. 1-4
Identification of Best Suitable Samples for Training Database for Face Recognition using Principal Component Analysis with Eigenface Method


Index Terms

Computer Science
Security

Keywords

Face recognition  PCA  Eigenface  Euclidean distance