Identification of Best Suitable Samples for Training Database for Face Recognition using Principal Component Analysis with Eigenface Method

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


**Index Terms**

Computer Science  
Security

**Keywords**

Face recognition  
PCA  
Eigenface  
Euclidean distance