Abstract

This paper presents study of face recognition system which is based on Principal Component Analysis (PCA) and Linear Discriminant Analysis (LDA) [1], [2]. These methods are used for feature extraction and dimension reduction. Nearest Neighbour Classifier (NNC) is used for classification. For matching Mahalanobis Cosine (Mahacos) and Cosine (Cos) distance is used.
Principle Component Analysis (PCA) and Linear Discriminant Analysis (LDA) based Face Recognition


- C. E. Thomaz, R. Q. Feitosa, and A. Veiga, "Design of Radial Basis Function Network as Classifier in face Recognition using Eigenfaces", In Vth Brazilian Symposium
on Neural Networks, pp. 118-123, 1998.

Index Terms

Computer Science

Image Processing

Keywords

Face Recognition  Pca  Lda  Nnc  Cos  Mahacos.