Abstract

Face is a multidimensional intricate structure that demands good computing technique for recalling it. This paper proposes a new diagonally assisted face recognition technique using Discrete Cosine Transform (DCT). Proposed work divides an image into matrix to apply DCT. Working scheme i.e. DA-DCT selects diagonal coefficient to retain low, moderate and high frequency coefficients for each block. Proficiency of the proposed work has been checked for self-created database using MATLAB. Experimental results prove that DA-DCT performs much better than PCA.

References

2. Xiaolong Fan and Brijesh Verma, “Selection and fusion of facial features for face


Index Terms

Computer Science

Pattern Recognition
Keywords

Discrete Cosine Transform, Face recognition