

Abstract

In this paper, we evaluate the effect of removing eyes or eyebrows from face image (no left eyebrow, no right eyebrow, no eyebrows, no left eye, no right eye, no eyes, no left eyebrow and no left eye, no right eyebrow and no right eye, no eyebrows and no eyes) on the performance of face recognition system based on Principal Component Analysis (PCA), Singular Value Decomposition (SVD), Discrete Wavelet Decomposition (DWT), Discrete Cosine Transform (DCT) and application of DWT prior SVD (DWT-SVD). The evaluation is carried on the FEI database using the Recognition Rate (RR) and Equal Error Rate (EER) criteria