Abstract

The PCA based face recognition algorithm has short-comings like sensitivity to illumination, facial expressions and importantly, not taking into consideration the high level features of the face among others. The discrete wavelet transformation of an image helps enhance the high frequency content and smoothen the lower frequencies. The primary objective of this paper is to present a generic algorithm which utilizes the advantages of the wavelet transformation
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complimenting it with base-line PCA.

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Index Terms

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