Abstract

Face recognition technology using Radial Basis Function Network (RBFN) is an attractive solution for the researchers who are working on the field of machine recognition, pattern recognition and computer vision. The key challenge in the face recognition technology is to provide high recognition rate. In this paper, an efficient method has been presented for face recognition using principal component analysis and radial basis function. More specifically, principal component analysis has been used for feature extraction and radial basis function network has been used as a classifier to classify data as well as for recognition process.

References

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Index Terms

- Computer Science
- Artificial Intelligence

Keywords

- Face recognition
- Principal component analysis
- Artificial neural network
- Radial basis function network