Abstract

SIFT (scale invariant feature transform) being a feature extraction algorithm was initially used for object recognition, pattern recognition. But from past few years this algorithm is frequently being used for human face recognition based on feature extraction and matching. The twist here is that between feature extraction and its recognition I have used fuzzy clustering to create clusters so that we can localize the areas for feature point detection. As this recognition is based on a GUI system whose recognition rate is almost 99% – 100% for face recognition and feature detection.

References

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Human Face Recognition

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Index Terms

Computer Science   Image Processing

Keywords

SIFT   Fuzzy clustering   Image recognition   feature extraction.