

Retrieval and Recognition of faces using Content-Based Image Retrieval (CBIR) and Feature Combination method

Abstract:

This is a face recognition technique by using PCA, Wavelet Transformation, Support Vector Machines and Gabor wavelets. SVM is used for recognition of features and Gabor Wavelet, wavelet transformation, PCA are used to generate feature vector.

CBIR consists of retrieving the most visually similar images to a query image from database of images. Feature combination method is an important method in feature engineering to integrate features from several categories into a single feature.

I would try to implement other deep learning techniques to improve the performance of the algorithm.

Reference:

[1] Retrieval and Recognition of faces using Content-Based Image Retrieval (CBIR) and Feature Combination method, Ningthoujam Sunita Devi, K. Hemachandran, 2016 IEEE International Conference on Computational Intelligence and Computing Research