



Implementation of Band Pass Filter for Homomorphic Filtering Technique

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Abstract

In order to improve the performance of homomorphic filtering technique for face images, band pass filter is selected to replace the conventional high pass filter in homomorphic filtering technique. Apart from the noise reduction capability, the band pass filter is specifically designed for face images as it is based on the locations of illumination component in Fourier spectrum. The qualitative and quantitative analysis proven that the performance of band pass filter outweighs the conventional high pass filter.

Keywords: Homomorphic filtering technique; Band pass filter; Face images

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