Abstract

This paper presents a new approach for the removal of noise from the face images. The approach involves removal of noise from the image by cascading the Mutation based bacteria foraging technique with wiener filter. In reality the noises that may embed into an image document will affect the performance of face recognition algorithms. Noises are of two type additive and multiplicative noise. Speckle noise is multiplicative noise, so it’s difficult to remove the multiplicative noise as compared to additive noise. Face images will be tested from database in noisy environment of speckle noise. The proposed method uses Wiener Filter and Mutation based bacteria Foraging technique (MBFO) has to be used for the removal of speckle noise.
Mutation based Bacterial Foraging Technique cascaded with Wiener Filter To Remove The Speckle Noise of Face Images

References

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Index Terms

Computer Science
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Keywords
Wiener Filter  median filter  speckle noise