Abstract

Image restoration is one of the burning issues in the field of image processing. Generally, images are corrupted or damaged due to the noise present in the system or due to motion blur while capturing the image. In this paper, a problem of removing blurriness in an image which is caused due to camera shake is discussed. The blur Kernel in an image is uneven. Because of this reason, every image in a burst of images is blurred in a different way. In this paper, a new technique is proposed in which burst of images are taken and calculates a weighted average in discrete cosine domain, where the weights depend on their discrete cosine spectrum magnitudes.

References

2. J. F.Cai,H.Ji, C.Liu,and Z.Shen,“Blind motion deblurring using multiple images,”
Removing Camera Shake using Discrete Cosine Transform

5. Removing Camera Shake via Weighted Fourier Burst Accumulation by Mauricio Delbracio and Guillermo Sapiro.

Index Terms

Computer Science

Image Processing

Keywords

Discrete cosine spectrum, motion blur, camera shake.