Abstract

Digital image processing forms core research area with in computer science disciplines. Rapid growth of image processing technologies has been used digital images more and more prominent in our daily life. Brightness preservation is a technique of improving the image brightness so that the limitations contained in these images is used for various applications in a better way. The paper presents a review on using hybrid transformation means used combination of two transformation techniques first, curvelet transformation is used to identify the bright regions of the original image and second, discrete wavelet transformation used for reduce Noise and compressed the image for improve the quality of images and then the histogram equalization method is used to enhance the image brightness. Histogram Equalization technique is one of the most popular methods for image enhancement due to its simplicity and efficiency. This is a review on these methodologies by which it is possible to preserve the brightness more efficiently.

**Index Terms**

Computer Science  
Pattern Recognition

**Keywords**

image processing  
Brightness Preservation  
Hybrid transformation  
Histogram Equalization