Shadow Removal using YCBCR and K-Means Clustering

Abstract

Shadow physical phenomena observed in natural scenes. Image segmentation, tracking, recognition algorithms to fail or can cause a shadow. In this paper, conducted a research in the field of research on the perception of image complexity and classification of images, remove the shade. The purpose of this paper is two-fold: in the first place, an attempt is to be presented for consideration to overcome some of the fundamental problems of light reflection, color constancy, and at the second place segmentation is applied in place to provide better color information. Experimental results show that the proposed method can detect and eliminate the shadows effectively and maintained the color information properly.

References

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Index Terms

Computer Science

Information Sciences

Keywords

Shadow removal, bilateral filter, segmentation, k-means algorithm