Abstract Details

Title: An Analytical Approach to Detect Shadow ROI in Images and Videos

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Abstract: Image segmentation is one of major image processing activity used to identify a specific pixel area over the image. In this paper, a DWT improved Morphological operator based approach is presented to identify the shadow ROI in an image or the video. Shadows are having its significance to represent as real object as well as to resolve the illusion problem in images. The presented work is basically focused on videos. The work is divided in two main stages. In first stage, the frame extraction from video is performed. As the frame extracted, the next work is perform the segmentation process to detect the shadow area. Presented work is implemented in MATLAB environment and obtained results show the effective retrieval of shadow area from the videos.

Keywords: Segmentation, Similarity Measures, Video Frames, Shadow ROI.