Abstract

That the amount of the clarity in the color attribute in the single-image depends on the intensity of illumination, as well as the type of light used and the angle of its fall. This research we adopted in the light of the sun and different intensities on throughout the day and the angle of light on the picture, the purpose of Study changes in the color information received from camera. The proposed methods to address these data to get the clearest picture, It was also we working to shed different wavelengths between 400 to 750 nm and the wavelength of 255 nm and 366 nm for the purpose of studying the characteristics of the image. And we can looking for the disappearance of some band of color (RGB) colorimetric with small Concentration and its appearance at other times due to changes in the angle and intensity of light on the image, so the color shows the characteristic change color in the picture and the emergence of a difference in the captured image with time. The adoption of the mediator and the rate calculated the amount of the standard deviation of the color band in all the captured images. In order to find out which color packets disappear or appear based on light intensity, It was also we deducted three areas of each color of the primary colors in the image (red, Green, blue) and calculate the amount of the standard deviation for it to know the times that appear or disappear some of the color packets.

**Index Terms**

Computer Science  
Image Processing

**Keywords**

Exposure of camera  
sun light  
mean of image  
measure of image quality.