Image manipulation is a malicious threat that is occurring nowadays. The trustworthiness of images is lost. Malicious users have many photo editing software's to manipulate images in many ways such as brightness changes, contrast manipulations and creating composite images. Here in this, it proposes two novel methods to detect contrast manipulations and composite images. First, it detects the manipulation of images by identifying the image’s block level histogram. Second, we propose to identify the manipulation occurring in the images using a high frequency metric method. Once both the methods outputs are obtained it combines the outputs to obtain a final output. Finally it will be able to detect the manipulation that has occurred to the image. Results are summarized at the end and our system is compared with methods used.
Revealing Image Forgery on Digital Images by applying Contrast Enhancement


Index Terms

Computer Science Security
Keywords

Image Forgery, Image Manipulation, Brightness, Peak, Gap, Gamma Correction