ABSTRACT

An image forgery detection scheme is proposed to identify composite images based on feature inconsistency of image components. Composite image is first divided into image components obtained using image segmentation with color covariance matrix. Next, the variance of the noise remaining in each image component is calculated and used as a feature. Finally, tampered regions are detected based on these features. Experimental results show that the proposed method has good performance of forgery detection for composite images.

Keywords: Forgery detection; Composite image; Image component

REFERENCES


[6]