

DETECTION OF COPY MOVE FORGERY IN DIGITAL IMAGES

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ABSTRACT

Digital images are easy to manipulate and edit due to availability of powerful image processing and editing software. Nowadays, it is possible to add or remove important features from an image without leaving any obvious traces of tampering. As digital cameras and video cameras replace their analog counterparts, the need for authenticating digital images, validating their content and detecting forgeries will only increase. Detection of malicious manipulation with digital images is the essence of this project. In particular, we focus on detection of a special type of digital forgery – “the copy- move” attack in which a part of the image is copied and pasted somewhere else in the image with intent to cover an important image feature. Here we investigate the problem of detecting the copy-move forgery technique. This technique successfully detects the forged part even when the copied area is enhanced or retouched to merge it with the background.