



A comprehensive evaluation procedure for copy-move forgery detection methods: results from a systematic review

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Abstract

In the current age, the wide use of digital images has led to the manipulations of content that misrepresent information with malicious goals. This issue demands the requirement of digital image investigation to authenticate the source and certify the trustworthiness of images. One image manipulation technique is called copy-move forgery (CMF), which duplicates one or more regions in an image before it is pasted to another location within the same image. In this paper, a systematic review is conducted to assess the performance evaluation techniques implemented by current CMF detection methods' approaches. Five research questions are generated to find and solve the related issues on the evaluation levels. At present, CMF detection performance is evaluated either through image-level, pixel-level, or both level evaluations. Image-level evaluation identifies an image either as

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