

Abstract

Image watermarking is common method which used to solve ownership given problem or copyright on digital image. Robust watermarking or secure watermarking becomes the purpose of image watermarking for that problem. So, watermark which is the proof of ownership usually inserted altogether in spatial domain and frequency domain or only in frequency domain. That domain election is based on its characteristic that is disposed more robust toward manipulations which commonly occur on digital image if compared with doing insertion of watermark only on spatial domain. This TA will explain how to establish division of region rightly to make robustness escalation of digital image which is contain watermark toward some image manipulation such as flipping, rotation, brightness, invert and scaling. Though, insertion of watermark is only happen in spatial domain using least significant bit method (LSB method).

Keywords : Image Watermarking, Copyright, Division of Region, Least Significant Bit