The digital revolution in digital image processing has made it possible to create, manipulate and transmit digital images in a simple and fast manner. The adverse affect of this is that the same image processing techniques can be used by hackers to tamper with any image and use it illegally. This has made digital image safety and integrity the top prioritized issue in today’s information explosion. Watermarking is a popular technique that is used for copyright protection and authentication. This paper presents an overview of the various concepts and research works in the field of image watermark authentication. In particular, the concept of content-based image watermarking is reviewed in details.

Reference

A Study on Watermarking Schemes for Image Authentication

Pp.1147-1156.
- Li C.T. (2004b) Reversible watermarking scheme with image-independent embedding capacity, Research Report CS-RR-401, Department of Computer Science, University of Warwick, Coventry, UK.

**Index Terms**

Computer Science  
Security

**Key words**  
Watermark Lifecycle  
Robust Watermarking Schemes  
Fragile Watermarking Schemes  
HVS  
ICA