Abstract

In recent years, the applications about multimedia have been developed rapidly. Digital media brings about conveniences to the people, because it is easy to be processed. At the same time, it enables the illegal attackers to attack the works. For the protection of data there has been growing interest in developing effective techniques to discourage the unauthorized duplication of digital data. Digital watermarking is the process of embedding information into a digital signal in a way that is difficult to remove. The fragile and semi fragile watermarking techniques have some serious disadvantages like increased use of resources, larger area
requirements, and high power consumption. In order to overcome this, robust watermarking technique is proposed. Robustness can be defined as resilience for a watermark to remain unaffected even when digital content is passed through various processes and attacks. Invisible robust watermarking is the most accurate method. Embed a watermark containing key information such as authentication or copyright codes.

Reference

- Saraju P Mohanty, N Ranganathan, "VLSI architecture and chip for combined invisible robust and fragile watermarking", in proceedings of the IEEE workshop on signal processing system, 19 June 2007.

Index Terms

Computer Science Multimedia
Key words

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DWT

invisible watermarking

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