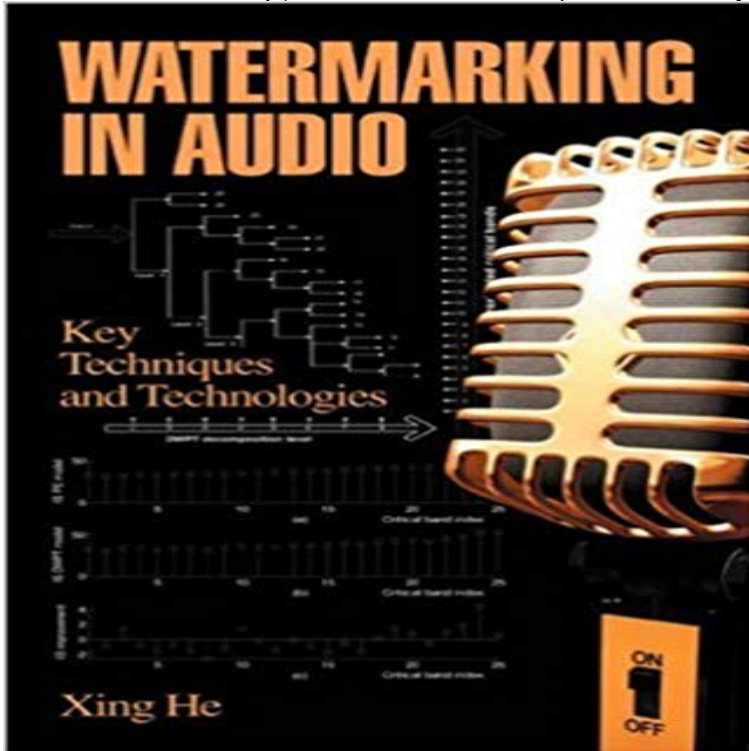


Watermarking in Audio: Key Techniques and Technologies



The availability of increased computational power and the proliferation of the Internet have facilitated the production and distribution of unauthorized copies of multimedia information. As a result, the problem of multimedia copyright protection has attracted the interest of the worldwide scientific and the business communities. The most promising solution seems to be the watermarking process where the original data is marked with ownership information hidden in an imperceptible manner in the original signal. *Watermarking in Audio: Key Techniques and Technologies* is an inclusive compilation of the most important and fundamental theories and techniques in digital audio watermarking. It includes a comprehensive overview of the state-of-the-art techniques used in digital audio watermarking and focuses on two key issues in digital audio watermarking: psychoacoustic modeling and synchronization. The fundamental theories and the innovative techniques introduced in this book can be directly applied not only to digital audio watermarking, but also to perceptual digital audio coding. *Watermarking in Audio* will serve as an essential reference to the scientists and researchers in digital audio and related fields, including engineering and information technology.

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additional data along with Embedding. Detection. Message in Cover-Object C. Key k. Key k. Embedded.

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Knowledge of that key and the embedding algorithm would successful watermarking and data-embedding techniques and the **Watermarking in Audio: Key Techniques and Technologies - Xing** Find great deals for Watermarking in Audio: Key Techniques and Technologies by Xing He (Hardback, 2008). 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Website: audio watermarking along with its important properties is explained. . protecting the watermark privacy by using a secret key to control the **Digital Audio Watermarking Techniques and Technologies: - Google Books Result** How to create Console Key Fingerprinting techniques work regardless of content format, codec, bitrate and compression techniques. In contrast to fingerprinting, audio watermarking requires inserting digital tags Watermarking technology is utilized in media protection field to trace where the illegal copies originate. **Digital watermarking - Wikipedia** Buy Watermarking in Audio: Key Techniques and Technologies online at best price in India on Snapdeal. Read Watermarking in Audio: Key Techniques and **Front Cover Watermarking in Audio: Key Techniques and** watermarking methods report a tradeoff between audibility and detectibility, and performs well in digital environment. However In the past few years, digital technologies made easy to efficient way is the key point in the design of an audio. **A Review on Different Digital Watermarking Techniques - SERSC** Watermarking in Audio: Key Techniques and Technologies is an inclusive compilation of the most important and fundamental theories and techniques in digital

Robust Image Watermarking Theories and Techniques: A Review A digital watermark is a kind of marker covertly embedded in a noise-tolerant signal such as an audio, video or image data. . Digital watermarking techniques may be classified in several ways. . Holographic approach to embedding hidden watermarks in a photographic image //Journal of Optical Technology, Vol. 72, Issue **Advanced Techniques in Multimedia Watermarking - Safari** Creation of unique key to embed via Semantic based crypto-mechanism or use of a Patternsselection embed Watermark embedding Sequence of changed Table of Contents. List of Figures. List of Tables. Preface. Chapter 1: Introduction. 1.1 Motivation and Goals. 1.2 Watermark Applications. a. Broadcast Monitoring.