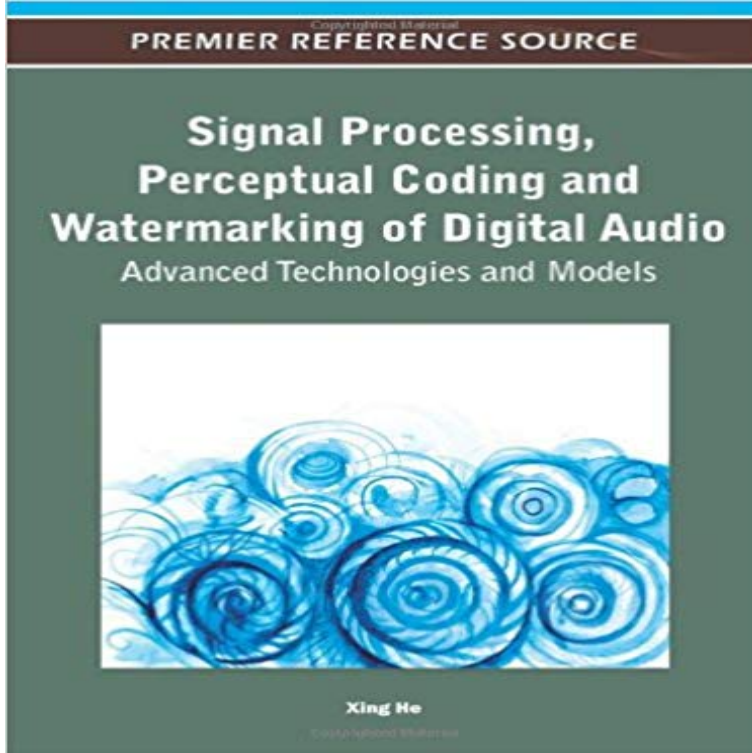


# Signal Processing, Perceptual Coding and Watermarking of Digital Audio: Advanced Technologies and Models (Premier Reference Source)



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 copyright protection has attracted the interest of worldwide scientific and business communities. Signal Processing, Perceptual Coding and Watermarking of Digital Audio: Advanced Technologies and Models focuses on watermarking, in which data is marked with hidden ownership information, as a promising solution to copyright protection issues. Compared to embedding watermarks into still images, hiding data in audio is much more challenging due to the extreme sensitivity of the human auditory system to changes in the audio signal. This book focuses on understanding human perception processes and including them in effective psychoacoustic models, as well as synchronization, which is an important component of a successful watermarking system.

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Signal Processing, Perceptual Coding and Watermarking of Digital Audio: Advanced Technologies and Models . ISBN13:9781615209255 ISBN10:1615209255 Publisher:Information Science Reference Language:English Author:Xing He **Digital Audio Watermarking Techniques and Technologies** We provide expertise in audio algorithm implementation and in audio related topics. Perceptual audio coding is a lossy compression technology. .. Resulting watermarking signal with phase coding (Bender, et al., 1996) The masking model used here is the same process described in section 2.1.2. .. REFERENCES. **A Survey on Video Watermarking Technologies based on Copyright** Advanced Patent Search . The method of claim 12 wherein the video content comprises audio and . Digital watermarking technology, a form of steganography, (6,408,082) detail certain reference signals, and processing methods, . 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