Record Nr. UNINA9910299850403321 Lin Yiqing Autore Titolo Audio Watermark: A Comprehensive Foundation Using MATLAB / / by Yiqing Lin, Waleed H. Abdulla Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2015 **ISBN** 3-319-07974-3 Edizione [1st ed. 2015.] Descrizione fisica 1 online resource (213 p.) Disciplina 004.6 006.7 620 621.382 Soggetti Signal processing Image processing Speech processing systems Computer communication systems Multimedia information systems Signal, Image and Speech Processing Computer Communication Networks Multimedia Information Systems Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. Nota di contenuto Introduction -- Principles of Psychoacoustics -- Audio Watermarking Techniques -- Proposed Audio Watermarking Scheme -- Performance Evaluation of Audio Watermarking -- Perceptual Evaluation Using Objective Quality Measures. Sommario/riassunto This book illustrates the commonly used and novel approaches of audio watermarking for copyrights protection. The author examines the theoretical and practical step by step guide to the topic of data hiding in audio signal such as music, speech, broadcast. The book covers new techniques developed by the authors are fully explained and MATLAB

programs, for audio watermarking and audio quality assessments and also discusses methods for objectively predicting the perceptual quality

of the watermarked audio signals. Explains the theoretical basics of the commonly used audio watermarking techniques Discusses the methods used to objectively and subjectively assess the quality of the audio signals Provides a comprehensive well tested MATLAB programs that can be used efficiently to watermark any audio media.