1. Record Nr. UNINA9911020232503321 Autore Morelos-Zaragoza Robert H Titolo The art of error correcting coding / / Robert H. Morelos-Zaragoza Chichester, : John Wiley & Sons, c2002 Pubbl/distr/stampa **ISBN** 9786610519163 9781280519161 1280519169 9780470035702 0470035706 9780470035696 0470035692 Edizione [2nd ed.] Descrizione fisica 1 online resource (279 p.) Classificazione 54.10 621.3822 Disciplina 621.38220151 Soggetti Error-correcting codes (Information theory) Information theory Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references (p. [195]-204) and index. Nota di bibliografia The Art of Error Correcting Coding; Contents; Preface; Foreword; The Nota di contenuto ECC web site; 1 Introduction; 1.1 Error correcting coding: Basic concepts; 1.1.1 Block codes and convolutional codes; 1.1.2 Hamming distance, Hamming spheres and error correcting capability; 1.2 Linear block codes; 1.2.1 Generator and parity-check matrices; 1.2.2 The weight is the distance; 1.3 Encoding and decoding of linear block

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Sommario/riassunto

Building on the success of the first edition, which offered a practical introductory approach to the techniques of error concealment, this book, now fully revised and updated, provides a comprehensive treatment of the subject and includes a wealth of additional features. The Art of Error Correcting Coding, Second Edition explores intermediate and advanced level concepts as well as those which will appeal to the novice. All key topics are discussed, including Reed-Solomon codes, Viterbi decoding, soft-output decoding algorithms, MAP, log-MAP and MAX-log-MAP. Reliability-based algorith

6.2.1 Time sharing of codes