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| | Soggetti | Coding theory |
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| | | Algebra |
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| | Livello bibliografico | Monografia |
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| | Nota di bibliografia | Includes bibliographical references and index. |
| | Nota di contenuto | A Diametric Theorem in for Lee and Related Distances -- Perfect 2-Colorings of Johnson Graphs J(6,3) and J(7,3) -- A Syndrome Formulation of the Interpolation Step in the Guruswami-Sudan Algorithm -- How to Know if a Linear Code Is a Group Code? -- Witness Sets -- On Rank and Kernel of ?4-Linear Codes -- Classic and Quantum Error Correcting Codes -- Evaluating the Impact of Information Distortion on Normalized Compression Distance -- Codes from Expander Graphs -- Adaptive Soft-Decision Iterative Decoding Using Edge Local Complementation -- Minimal Trellis Construction for Finite Support Convolutional Ring Codes -- On the Quasi-cyclicity of the Gray Map Image of a Class of Codes over Galois Rings -- Algebraic |

Geometry Codes from Castle Curves -- Two-Point Codes on Norm-Trace Curves -- Close Encounters with Boolean Functions of Three Different Kinds -- Wiretapping Based on Node Corruption over Secure Network Coding: Analysis and Optimization -- On the Kronecker Product Construction of Completely Transitive q-Ary Codes -- Quaternary Unequal Error Protection Codes -- Communication on Inductively Coupled Channels: Overview and Challenges.

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| Sommario/riassunto | This book constitutes the refereed proceedings of the 2nd International Castle Meeting, ISMCTA 2008, Castillo de la Mota, Medina del Campo, Spain, September 2008. The 14 full papers and 5 invited papers presented were carefully reviewed and selected from 34 submissions for inclusion in the book. The papers cover network coding, quantum codes, group codes, codes and combinatorial structures, agebraic-geometry codes, as well as codes and applications. |