1. Record Nr. UNINA9910830196503321

| | |
|---|---|
| Autore | Seberry Jennifer <1944-> |
| Titolo | Hadamard matrices : constructions using number theory and algebra / / Jennifer Seberry, Mieko Yamada |
| Pubbl/distr/stampa | Hoboken, New Jersey : , : Wiley, John Wiley & Sons, Inc., , 2020<br>[Piscataqay, New Jersey] : , : IEEE Xplore, , [2020] |
| ISBN | 1-119-52013-4<br>1-119-52027-4<br>1-119-52025-8 |
| Descrizione fisica | 1 online resource |
| Disciplina | 512.9434 |
| Soggetti | Hadamard matrices |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Introduction -- Chapter 1 Basic Definitions -- Chapter 2 Gauss Sums, Jacobi Sums, and Relative Gauss Sums -- Chapter 3 Plug-In Matrices -- Chapter 4 Arrays: Matrices to Plug-Into -- Chapter 5 Sequences -- Chapter 6 M-structures -- Chapter 7 Menon Hadamard Difference Sets and Regular Hadamard Matrices -- Chapter 8 Paley Hadamard Difference Sets and Paley Type Partial Difference Sets -- Chapter 9 Skew Hadamard, Amicable, and Symmetric Matrices -- Chapter 10 Skew Hadamard Difference Sets -- Chapter 11 Asymptotic Existence of Hadamard Matrices -- Chapter 12 More on Maximal Determinant Matrices -- Appendix A Hadamard Matrices -- Appendix B List of sds from Cyclotomy -- Appendix C Further Research Questions -- References -- Index. |
| Sommario/riassunto | "This book, which is the update of a 1992 survey by the same authors, summarizes some known constructions of Hadamard Matrices that are based on algebraic and number theoretic methods. Hadamard matrices are of practical use in signal processing and design experiments among other applications. This book begins with basic definitions, and is followed by a chapter on Gauss sums, Jacobi sums and relative Gauss sums. Next, the authors discuss plug-in matrices, arrays, and sequences. M-structure is covered next, along with Menon Hadamard |

| | |
|---|---|
| | differences sets and regular Handmard matrices. The authors then discuss Paley difference sets, skew-Handmard matrices, and skew Handmard differences sets. Finally, the book concludes with a discussion of asymptotic existence of Handmard matrices and more on maximal determinant matrices"-- |

2.

| | |
|---|---|
| Record Nr. | UNINA9910346947903321 |
| Autore | Valadez Sánchez Elvia Patricia |
| Titolo | Thin film MOFs (SURMOFs) for application in gas separation |
| Pubbl/distr/stampa | KIT Scientific Publishing, 2019 |
| ISBN | 1000088874 |
| Descrizione fisica | 1 online resource (XIV, 153 p. p.) |
| Soggetti | Biology, life sciences |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Sommario/riassunto | In this work, the deposition of ZIF-8 surface-anchored metal-organic framework (SURMOF) films was systematically studied. A proper characterization and optimization of the synthesized films was performed and their separation performance was determined. Furthermore, a general description of the system was achieved using the Maxwell-Stefan surface diffusion model. |