1. | | |
    |---|---|
    | Record Nr. | UNISALENTO991003970529707536 |
    | Autore | Mundi, Benito |
    | Titolo | Mappa del colore del centro storico : deliberazione Consiglio Comunale n. 427 del 27-3-1985 / a cura di Benito Mundi |
    | Pubbl/distr/stampa | San Severo : Amministrazione Comunale, stampa 1986 |
    | Descrizione fisica | 74 p. : ill. ; 24 cm. |
    | Disciplina | 711 |
    | Soggetti | San Severo - Urbanistica |
    | Lingua di pubblicazione | Italiano |
    | Formato | Materiale a stampa |
    | Livello bibliografico | Monografia |
    | Note generali | In testa al front.: Comune di San Severo. Esempl. contraddistinto col n. 631. |

2. | | |
    |---|---|
    | Record Nr. | UNINA9910742484603321 |
    | Autore | Guzman Francisco S. |
    | Titolo | Numerical Methods for Initial Value Problems in Physics / / by Francisco S. Guzmán |
    | Pubbl/distr/stampa | Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023 |
    | ISBN | 3-031-33556-2 |
    | Edizione | [1st ed. 2023.] |
    | Descrizione fisica | 1 online resource (365 pages) |
    | Disciplina | 530.151535 |
    | Soggetti | Mathematical physics |
    | | Mathematics - Data processing |
    | | Differential equations |
    | | System theory |
    | | Mathematical Methods in Physics |
    | | Computational Mathematics and Numerical Analysis |
    | | Mathematical Physics |
    | | Differential Equations |
    | | Complex Systems |
    | Lingua di pubblicazione | Inglese |

Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter1. Introduction -- Chapter2. Ordinary Differential Equations -- Chapter3. Simple Methods for Initial Value Problems Involving PDEs -- Chapter4. Method of Lines for Initial Value Problems Involving PDEs -- Chapter5. Finite Volume Methods -- Chapter6. Initial Value Problems in 3+1 and 2+1 dimensions -- Chapter7. Appendix A: Stability of Evolution Schemes -- Chapter8. Appendix B: Codes.
Sommario/riassunto	This textbook is a comprehensive overview of the construction, implementation, and application of important numerical methods for the solution of Initial Value Problems (IVPs). Beginning with IVPs involving Ordinary Differential Equations (ODEs) and progressing to problems with Partial Differential Equations (PDEs) in 1+1 and 3+1 dimensions, it provides readers with a clear and systematic progression from simple to complex concepts. The numerical methods selected in this textbook can solve a considerable variety of problems and the applications presented cover a wide range of topics, including population dynamics, chaos, celestial mechanics, geophysics, astrophysics, and more. Each chapter contains a variety of solved problems and exercises, with code included. These examples are designed to motivate and inspire readers to delve deeper into the state-of-the-art problems in their own fields. The code is written in Fortran 90, in a library-free style, making them easy to program and efficient to run. The appendix also includes the same code in C++, making the book accessible to a variety of programming backgrounds. At the end of each chapter, there are brief descriptions of how the methods could be improved, along with one or two projects that can be developed with the methods and codes described. These projects are highly engaging, from synchronization of chaos and message encryption to gravitational waves emitted by a binary system and non-linear absorption of a scalar field. With its clear explanations, hands-on approach, and practical examples, this textbook is an essential resource for advanced undergraduate and graduate students who want to the learn how to use numerical methods to tackle challenging problems.