1. | | |
   |---|---|
   | Record Nr. | UNISA996460945403316 |
   | Autore | DONNER, Fred McGraw |
   | Titolo | The early Islamic conquests / by Fred McGraw Donner |
   | Pubbl/distr/stampa | Princeton, N.J., : Princeton University Press, 1981 |
   | Descrizione fisica | Testo elettronico (PDF) (XVIII, 489 p.) : ill. |
   | Collana | ACLS Humanities E-Book
ATLA Special Series |
   | Disciplina | 909.09767101 |
   | Soggetti | Impero islamico - 622-661 - Storia |
   | Lingua di pubblicazione | Inglese |
   | Formato | Risorsa elettronica |
   | Livello bibliografico | Monografia |

2. | | |
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   | Record Nr. | UNINA9910153181103321 |
   | Autore | Chakraverty Snehashish |
   | Titolo | Fuzzy differential equations and applications for engineers and scientists / / S. Chakraverty, Smita Tapaswini, Diptiranjan Behera |
   | Pubbl/distr/stampa | Boca Raton, FL : , : CRC Press, , [2017]
©2017 |
   | ISBN | 1-315-35553-1
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   | Edizione | [1st ed.] |
   | Descrizione fisica | 1 online resource (239 pages) : illustrations, graphs |
   | Disciplina | 515/.352 |
   | Soggetti | Differential equations
Engineering mathematics
Fuzzy mathematics |
   | Lingua di pubblicazione | Inglese |
   | Formato | Materiale a stampa |
   | Livello bibliografico | Monografia |

Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	chapter 1. Preliminaries of fuzzy set theory -- chapter 2. Basic concepts of fuzzy and fuzzy fractional differential equations -- chapter 3. Analytical methods of fuzzy differential equations -- chapter 4. Numerical methods for fuzzy ordinary and partial differential equations -- chapter 5. Application of numerical methods to fuzzy ordinary differential equations -- chapter 6. Fuzzy structural problems -- chapter 7. Fuzzy vibration equations of large membranes -- chapter 8. Nonprobabilistic uncertainty analysis of the forest fire model -- chapter 9. Fuzzy inverse heat conduction problems -- chapter 10. The fuzzy fractional Klein-Gordon equation.
Sommario/riassunto	Differential equations play a vital role in the modeling of physical and engineering problems, such as those in solid and fluid mechanics, viscoelasticity, biology, physics, and many other areas. In general, the parameters, variables and initial conditions within a model are considered as being defined exactly. In reality there may be only vague, imprecise or incomplete information about the variables and parameters available. This can result from errors in measurement, observation, or experimental data; application of different operating conditions; or maintenance induced errors. To overcome uncertainties or lack of precision, one can use a fuzzy environment in parameters, variables and initial conditions in place of exact (fixed) ones, by turning general differential equations into Fuzzy Differential Equations ("FDEs"). In real applications it can be complicated to obtain exact solution of fuzzy differential equations due to complexities in fuzzy arithmetic, creating the need for use of reliable and efficient numerical techniques in the solution of fuzzy differential equations. These include fuzzy ordinary and partial, fuzzy linear and nonlinear, and fuzzy arbitrary order differential equations. This unique work provides a new direction for the reader in the use of basic concepts of fuzzy differential equations, solutions and its applications. It can serve as an essential reference work for students, scholars, practitioners, researchers and academicians in engineering and science who need to model uncertain physical problems.