

1. Record Nr.	UNINA9910135037603321
Autore	Chakraverty Snehashish
Titolo	Fuzzy arbitrary order system : fuzzy fractional differential equations and applications // Snehashish Chakraverty, Smita Tapaswini, Diptiranjan Behera
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2016 ©2016
ISBN	1-119-00417-9 1-119-00413-6 1-119-00423-3
Descrizione fisica	1 online resource (275 p.)
Disciplina	515/.352
Soggetti	Fractional differential equations Fuzzy mathematics Differential equations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Title Page; Copyright; Contents; Preface; Acknowledgments; Chapter 1 Preliminaries of Fuzzy Set Theory; Bibliography; Chapter 2 Basics of Fractional and Fuzzy Fractional Differential Equations; Bibliography; Chapter 3 Analytical Methods for Fuzzy Fractional Differential Equations (FFDES); 3.1 n-Term Linear Fuzzy Fractional Linear Differential Equations; 3.2 Proposed Methods; Bibliography; Chapter 4 Numerical Methods for Fuzzy Fractional Differential Equations; 4.1 Homotopy Perturbation Method (HPM); 4.2 Adomian Decomposition Method (ADM); 4.3 Variational Iteration Method (VIM) Bibliography; Chapter 5 Fuzzy Fractional Heat Equations; 5.1 Arbitrary-Order Heat Equation; 5.2 Solution of Fuzzy Arbitrary-Order Heat Equations by HPM; 5.3 Numerical Examples; 5.4 Numerical Results; Bibliography; Chapter 6 Fuzzy Fractional Biomathematical Applications; 6.1 Fuzzy Arbitrary-Order Predator-Prey Equations; 6.1.1 Particular Case; 6.2 Numerical Results of Fuzzy Arbitrary-Order Predator-Prey Equations; Bibliography; Chapter 7 Fuzzy Fractional Chemical Problems;

7.1 Arbitrary-Order Rossler's Systems; 7.2 HPM Solution of Uncertain Arbitrary-Order Rossler's System; 7.3 Particular Case
7.3.1 Special Case7.4 Numerical Results; Bibliography; Chapter 8 Fuzzy Fractional Structural Problems; 8.1 Fuzzy Fractionally Damped Discrete System; 8.2 Uncertain Response Analysis; 8.2.1 Uncertain Step Function Response; 8.2.2 Uncertain Impulse Function Response; 8.3 Numerical Results; 8.3.1 Case Studies for Uncertain Step Function Response; 8.3.2 Case Studies for Uncertain Impulse Function Response; 8.4 Fuzzy Fractionally Damped Continuous System; 8.5 Uncertain Response Analysis; 8.5.1 Unit step Function Response; 8.5.2 Unit Impulse Function Response; 8.6 Numerical Results
8.6.1 Case Studies for Fuzzy Unit Step Response8.6.2 Case Studies for Fuzzy Unit Impulse Response; Bibliography; Chapter 9 Fuzzy Fractional Diffusion Problems; 9.1 Fuzzy Fractional-Order Diffusion Equation; 9.1.1 Double-Parametric-Based Solution of Uncertain Fractional-Order Diffusion Equation; 9.1.2 Solution Bounds for Different External Forces; 9.2 Numerical Results of Fuzzy Fractional Diffusion Equation; Bibliography; Chapter 10 Uncertain Fractional Fornberg-Whitham Equations; 10.1 Parametric-Based Interval Fractional Fornberg-Whitham Equation; 10.2 Solution by VIM
10.3 Solution Bounds for Different Interval Initial Conditions10.4 Numerical Results; Bibliography; Chapter 11 Fuzzy Fractional Vibration Equation of Large Membrane; 11.1 Double-Parametric-Based Solution of Uncertain Vibration Equation of Large Membrane; 11.2 Solutions of Fuzzy Vibration Equation of Large Membrane; 11.3 Case Studies (Solution Bounds for Particular Cases); 11.4 Numerical Results for Fuzzy Fractional Vibration Equation for Large Membrane; Bibliography; Chapter 12 Fuzzy Fractional Telegraph Equations; 12.1 Double-Parametric-Based Fuzzy Fractional Telegraph Equations
12.2 Solutions of Fuzzy Telegraph Equations Using Homotopy Perturbation Method

2. Record Nr.	UNIORUON00304508
Autore	ZHOU Jialu
Titolo	Ao yi Chaoxian san zhong / Zhou Jialu zhu . Jiu wen ling shi / Deng Zhicheng zhu
Pubbl/distr/stampa	[Taipei, : Wenhai chubanshe, 1970]
Descrizione fisica	86, 178 p. ; 18 cm
Classificazione	CIN IV
Altri autori (Persone)	DENG, Zhicheng
Soggetti	COREA - STORIA CINA - STORIA - DINASTIA QING (1644-1911) - FONTI
Lingua di pubblicazione	Cinese
Formato	Materiale a stampa
Livello bibliografico	Monografia