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Nota di contenuto	Chapter 1: Introduction -- Chapter 2: Frequency-domain approximation method -- Chapter 3: Predictor-corrector algorithm -- Chapter 4: Adomian decomposition method -- Chapter 5: Performance comparison of solution algorithms -- Chapter 6: Dynamics of fractional-order chaotic systems -- Chapter 7: Complexity analysis of fractional-order chaotic system -- Chapter 8: Circuit design and realization of fractional-order chaotic system -- Chapter 9: Applications of fractional-order chaotic systems in secure communications -- Chapter 10: Solution and characteristic analysis of fractional-order discrete chaotic system.
Sommario/riassunto	This book highlights the solution algorithms and characteristic analysis methods of fractional-order chaotic systems. Fractal dimensions exist broadly in the study of nature and the development of science and technology. Fractional calculus has become a hot research area in nonlinear science. Fractional-order chaotic systems are an important part of fractional calculus. The book discusses the numerical solution

algorithms and characteristic analysis of fractional-order chaotic systems and introduces the techniques to implement the systems with circuits. To facilitate a quick grasp, the authors present examples from their years of work in the appendix. Intended for graduate students and researchers interested in chaotic systems, the book helps one to build a theoretical and experimental foundation for the application of fractional-order chaotic systems.