1. Record Nr. UNINA9911011816103321

Autore	Yang Jianhua
Titolo	Aperiodic Resonances - Theory and Applications / / by Jianhua Yang, Miguel A. F. Sanjuan
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9668-19-0
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (288 pages)
Altri autori (Persone)	SanjuanMiguel A. F
Disciplina	620.3
Soggetti	Multibody systems Vibration Mechanics, Applied Signal processing Time-series analysis Multibody Systems and Mechanical Vibrations Digital and Analog Signal Processing Time Series Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Aperiodic Signals -- Aperiodic System Resonance Caused by Single Aperiodic Binary M ary Signal -- Aperiodic System Resonance Caused by Single Frequency modulated Signal.
Sommario/riassunto	This book presents various types of aperiodic resonances in the form of a complete theoretical framework for the first time. It makes aperiodic resonance be a new disciplinary direction. In addition to the achievements in existing papers, the book proposes some new methods and discovers some new phenomena about different aperiodic resonances in nonlinear systems. The book includes theoretical analysis methods and their applications in three typical engineering backgrounds. It links theoretical researches on physical phenomena with different engineering problems. It aims to solve engineering problems from a new perspective based on aperiodic resonance theories.