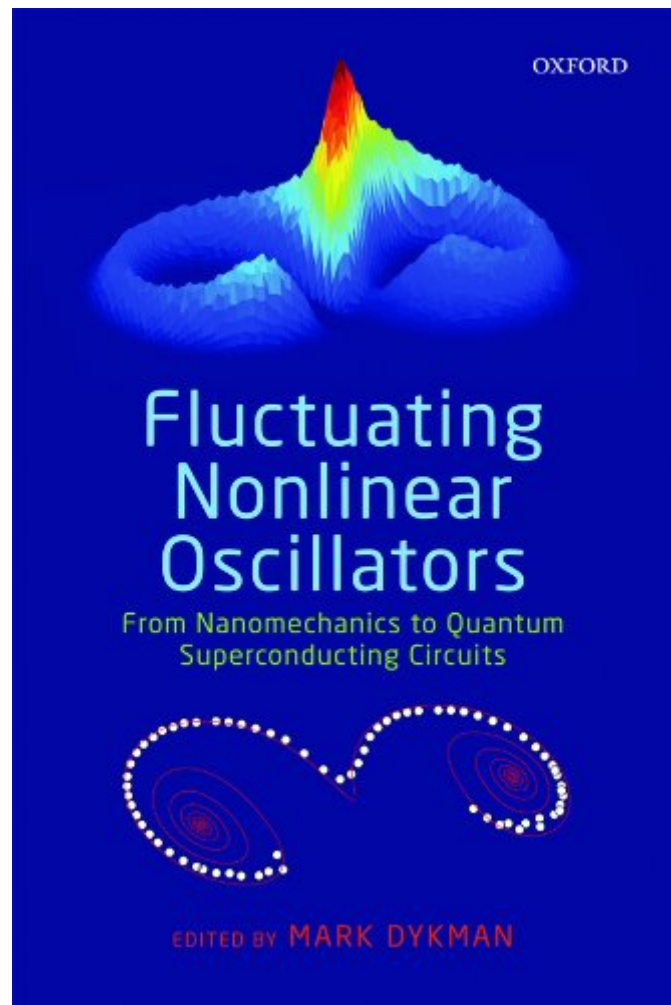


Fluctuating Nonlinear Oscillators: From Nanomechanics to Quantum Superconducting Circuits PDF



Download



Read Online

Fluctuating Nonlinear Oscillators: From Nanomechanics to Quantum Superconducting Circuits by Mark Dykman ISBN 019969138X

The book provides a unifying insight into fluctuation phenomena in a broad variety of vibrational systems of current interest. It consists of individual chapters written by leading experts in the field. The chapters are self-contained and complement each other. The ongoing rapid development of well-characterized mesoscopic vibrational systems has made it possible to address fundamental physics problems and to explore new approaches to quantum and classical measurements, with applications to quantum information, condensed matter physics, and engineering. The book gives an account of major results in this direction. The topics include dynamics and quantum control of

microcavity modes coupled to qubits, measurements with bifurcation-based amplifiers and new types of such amplifiers; switching rate scaling and new quantum mechanisms of metastable decay; wave mixing and parametric excitation in the quantum regime; collective phenomena and the interaction-induced discrete time symmetry breaking; and back-action and shot noise in electron-vibrational systems.

Fluctuating Nonlinear Oscillators: From Nanomechanics to Quantum Superconducting Circuits Review

This Fluctuating Nonlinear Oscillators: From Nanomechanics to Quantum Superconducting Circuits book is not really ordinary book, you have it then the world is in your hands. The benefit you get by reading this book is actually information inside this reserve incredible fresh, you will get information which is getting deeper an individual read a lot of information you will get. This kind of Fluctuating Nonlinear Oscillators: From Nanomechanics to Quantum Superconducting Circuits without we recognize teach the one who looking at it become critical in imagining and analyzing. Don't be worry Fluctuating Nonlinear Oscillators: From Nanomechanics to Quantum Superconducting Circuits can bring any time you are and not make your tote space or bookshelves' grow to be full because you can have it inside your lovely laptop even cell phone. This Fluctuating Nonlinear Oscillators: From Nanomechanics to Quantum Superconducting Circuits having great arrangement in word and layout, so you will not really feel uninterested in reading.