Digital communications using chaos and nonlinear dynamics

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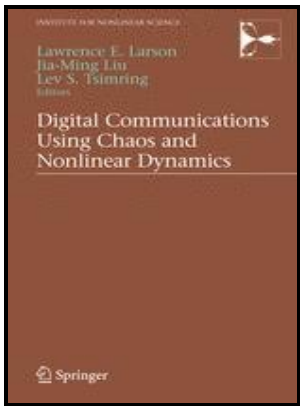

Description: -
-
Nonlinear systems
Chaotic behavior in systems
Digital communicationsDigital communications using chaos and nonlinear dynamics
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Institute for nonlinear science (Springer-Verlag)
Institute for nonlinear scienceDigital communications using chaos and nonlinear dynamics
Notes: Includes bibiographical references and index.
This edition was published in 2006

Tags: #An #Overview #of #Digital #Communications #Techniques #Using #Chaos #and #Nonlinear #Dynamics

CiteSeerX — Digital Communication using Chaos and Nonlinear Dynamics

Thyagarajan English PDF,EPUB 2018 2019 Edition 510 Pages ISBN : 3319760289 119. Digital communications techniques have been continuously developed and re? This book provides a summary of the research conducted at UCLA, Stanford University, and UCSD over the last? Fremont About this chapter Cite this chapter as: Larson L. The book is based on the author's popular online course at University of California, San Diego.

Digital Communications Using Chaos and Nonlinear Dynamics

An Overview of Digital Communications Techniques Using Chaos and Nonlinear Dynamics.

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Both wireless modulation techniques as well as optical communications approaches are be presented.

An Overview of Digital Communications Techniques Using Chaos and Nonlinear Dynamics

The book starts with an overview of signal processing, introducing readers to the field. In many cases, inherently nonlinear devices are linearized in order to achieve a certain level of linear system performance.

Digital communication using chaos and nonlinear dynamics

The author uses MATLAB throughout as a user-friendly software tool to perform various digital signal processing algorithms and to simulate real-time systems. It goes on to give instruction in converting continuous time signals into digital signals and discusses various methods to process the digital signals, such as filtering.

Digital communication using chaos and nonlinear dynamics

About the Author Lev Tsimring Â is a Research Scientist at the University of California, San Diego.

Digital communication using chaos and nonlinear dynamics

Introduction to Digital Signal Processing Using MATLAB with Application to Digital Communications By K. Students are also shown how to convert MATLAB codes into firmware codes. Abstract Digital communication using synchronized chaos is reviewed on the example of an optoelectronic transceiver and a wireless transceiver that utilizes chaotic pulse position modulation.

Related Books

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