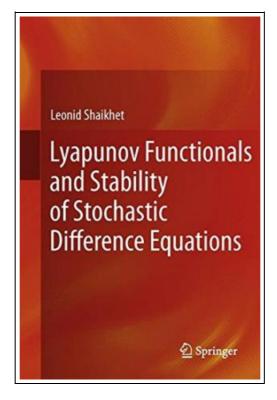
Lyapunov Functionals and Stability of Stochastic Difference Equations (Hardback)



Filesize: 1.46 MB

Reviews

Good e-book and useful one. It typically does not expense an excessive amount of. I am just delighted to tell you that this is basically the finest book we have read during my very own existence and could be he best ebook for actually. (Audra Hodkiewicz)

LYAPUNOV FUNCTIONALS AND STABILITY OF STOCHASTIC DIFFERENCE EQUATIONS (HARDBACK)



Springer London Ltd, United Kingdom, 2011. Hardback. Condition: New. Language: English . Brand New Book. Hereditary systems (or systems with either delay or after-effects) are widely used to model processes in physics, mechanics, control, economics and biology. An important element in their study is their stability. Stability conditions for difference equations with delay can be obtained using a Lyapunov functional. Lyapunov Functionals and Stability of Stochastic Difference Equations describes a general method of Lyapunov functional construction to investigate the stability of discrete- and continuous-time stochastic Volterra difference equations. The method allows the investigation of the degree to which the stability properties of differential equations are preserved in their difference analogues. The text is self-contained, beginning with basic definitions and the mathematical fundamentals of Lyapunov functional construction and moving on from particular to general stability results for stochastic difference equations with constant coefficients. Results are then discussed for stochastic difference equations of linear, nonlinear, delayed, discrete and continuous types. Examples are drawn from a variety of physical systems including inverted pendulum control, study of epidemic development, Nicholson s blowflies equation and predator-prey relationships. Lyapunov Functionals and Stability of Stochastic Difference Equations is primarily addressed to experts in stability theory but will also be of use in the work of pure and computational mathematicians and researchers using the ideas of optimal control to study economic, mechanical and biological systems.



Read Lyapunov Functionals and Stability of Stochastic Difference Equations (Hardback) Online Download PDF Lyapunov Functionals and Stability of Stochastic Difference Equations (Hardback)

Relevant eBooks



Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****. ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

Read Book

>>



Children's Educational Book Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****. ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

Read Book

..



Scholastic Discover More My Body

Scholastic Reference. Hardcover. Book Condition: New. Hardcover. 32 pages. Dimensions: 9.1in. x 7.7in. x 0.6in.Scholastic Discover More is a revolutionary new nonfiction line pairing stunning print books with corresponding interactive digital books that extend the...

Read Book

>>



I Wish My Teacher Knew: How One Question Can Change Everything for Our Kids (Hardback)

The Perseus Books Group, United States, 2016. Hardback. Book Condition: New. 210×140 mm. Language: English . Brand New Book. One day, third-grade teacher Kyle Schwartz asked her students to fill-in-the-blank in this sentence:...

Read Book

»



The Sheikh s Pregnant Prisoner

Harlequin, United States, 2016. Paperback. Book Condition: New. Not for Online.. 168 x 104 mm. Language: English . Brand New Book. You re not going anywhere, not until you give birth to my child. For...

Read Book

»



The Preschool Inclusion Toolbox: How to Build and Lead a High-Quality Program

Brookes Publishing Co, United States, 2015. Paperback. Book Condition: New. 274 x 213 mm. Language: English . Brand New Book. Filled with tips, tools, and strategies, this book is the comprehensive, practical toolbox preschool administrators

Save Document

>>



The L Digital Library of genuine books(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2002 Publisher: the BUPT title: Digital Library Original Price: 10 yuan

Save Document

*



Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2005 Pages: 815 Publisher: the Chinese teenager Shop Books all book.

Save Document

..



xk] 8 - scientific genius kids favorite game brand new genuine(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2010-01-01 Pages: 270 Publisher: Dolphin Publishing Our Books all book of

Save Document

>>



Computer Q & A 98 wit - the challenge wit king(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Publisher: Twenty-first Century Press Pub. Date: 2007-2-1. This is a collection of scientific knowledge

Save Document

»