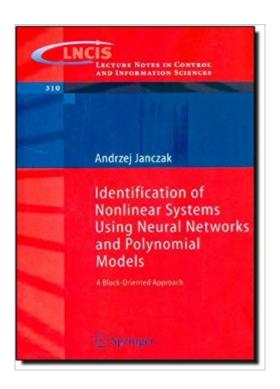
The book was found

Identification Of Nonlinear Systems Using Neural Networks And Polynomial Models: A Block-Oriented Approach (Lecture Notes In Control And Information Sciences)





Synopsis

This monograph systematically presents the existing identification methods of nonlinear systems using the block-oriented approach It surveys various known approaches to the identification of Wiener and Hammerstein systems which are applicable to both neural network and polynomial models. The book gives a comparative study of their gradient approximation accuracy, computational complexity, and convergence rates and furthermore presents some new and original methods concerning the model parameter adjusting with gradient-based techniques. "Identification of Nonlinear Systems Using Neural Networks and Polynomal Models" is useful for researchers, engineers and graduate students in nonlinear systems and neural network theory.

Book Information

Series: Lecture Notes in Control and Information Sciences (Book 310)

Paperback: 199 pages

Publisher: Springer; 2005 edition (February 22, 2009)

Language: English

ISBN-10: 3540231854

ISBN-13: 978-3540231851

Product Dimensions: 6.1 x 0.5 x 9.2 inches

Shipping Weight: 9.9 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,594,020 in Books (See Top 100 in Books) #177 in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Control Systems #693 in Books > Science & Math > Physics > System Theory #1184 in Books > Computers & Technology > Programming > Algorithms

Download to continue reading...

Identification of Nonlinear Systems Using Neural Networks and Polynomial Models: A
Block-Oriented Approach (Lecture Notes in Control and Information Sciences) Hunter Block by
Bloody Block Advances in Artificial Intelligence: Theories, Models, and Applications: 6th Hellenic
Conference on AI, SETN 2010, Athens, Greece, May 4-7, 2010. Proceedings (Lecture Notes in
Computer Science) Mathematical Models in Developmental Biology (Courant Lecture Notes) Global
Propagation of Regular Nonlinear Hyperbolic Waves (Progress in Nonlinear Differential Equations
and Their Applications, No. 76) From Neural Networks and Biomolecular Engineering to
Bioelectronics (Electronics and Biotechnology Advanced (Elba) Forum Series) Fundamentals of

Neural Networks: Architectures, Algorithms And Applications Programming Neural Networks with Encog3 in C# Handbook of Neural Networks for Speech Processing (Artech House Signal Processing Library) Clinically Oriented Anatomy 6th Edition Testbank: Testbank Questions for the book Clinically Oriented Anatomy 6th Edition Binary Polynomial Transforms and Non-Linear Digital Filters (Chapman & Hall/CRC Pure and Applied Mathematics) Toy Car Collector's Guide: Identification and Values, Identification and Values for Diecast, White Metal, Other Automotive Toys & Models, Second Edition Nonlinear Power Flow Control Design: Utilizing Exergy, Entropy, Static and Dynamic Stability, and Lyapunov Analysis (Understanding Complex Systems) Nonlinear Systems: Analysis, Stability, and Control (Interdisciplinary Applied Mathematics) Optimization for Machine Learning (Neural Information Processing series) Performance Guarantees in Communication Networks (Telecommunication Networks and Computer Systems) Generalized Convexity and Optimization: Theory and Applications (Lecture Notes in Economics and Mathematical Systems) Software Engineering for Large-Scale Multi-Agent Systems: Research Issues and Practical Applications (Lecture Notes in Computer Science) Landau Theory Of Phase Transitions, The: Application To Structural, Incommensurate, Magnetic And Liquid Crystal Systems (World Scientific Lecture Notes in Physics) Quantum Thermodynamics: Emergence of Thermodynamic Behavior Within Composite Quantum Systems (Lecture Notes in Physics)

Dmca