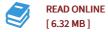
Solution of Non-Linear Singular Perturbed System Using ANN

By Farhat Hussain Bazmi

LAP Lambert Academic Publishing Mrz 2018, 2018. Taschenbuch. Condition: Neu. Neuware - In this research, a numerical computational intelligence method is developed for solving the nonlinear singular perturbed problems in different areas with the uses of optimizers based on artificial neural networks with Active Set Technique (AST), Sequential Quadratic Programing (SQP) and Interior Point Techniques (IPT). The Neural network models are helping to construct a mathematical model for the nonlinear singular perturbed differential equations. The motivation towards this research work comes actually from the aim of introducing a reliable framework that make the combination of ANNs optimized with soft computing frameworks to cope with such challenging linear and non-linear singular perturbed system of equations. The validity of such methods has been examined thoroughly for various non-singular boundary value problems arising in science, engineering and bio engineering as well. Comprehensive numerical experimentation has been performed to validate the accuracy, convergence, and robustness of the designed methodology Further Comparative study has also been made with available standard solution to analyze the correctness of the proposed scheme. 68 pp. Englisch.



DOWNLOAD PDF

Reviews

This is the finest book i have got study till now. It usually does not price a lot of. I found out this publication from my i and dad encouraged this book to understand.

-- Jamil Collins

Absolutely among the best book I have possibly go through. I have go through and that i am certain that i am going to gonna read through once again again in the future. I am just delighted to tell you that this is basically the finest book i have got go through within my personal existence and could be he finest book for ever.

-- Brian Bauch

You May Also Like

Mass Media Law: The Printing Press to the

Peter Lang Publishing Inc, United States, 2013. Paperback. Book Condition: New. New.. 251 x 175 mm. Language: English . Brand New Book. Digital media law is now the dynamic legal territory. Mass Media Law: The Printing Press to the Internet is a...

I		
I		

A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in

Createspace, United States, 2014. Paperback. Book Condition: New. 251 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****. The ultimate learn-by-doing approachWritten for beginners, useful for experienced developers who want to sharpen their skills and don t mind...

	=		

Ne ma Goes to Daycare

Internet

Half

AUTHORHOUSE, United States, 2015. Paperback. Book Condition: New. 216 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****. This book is about a little biracial (African American/Caucasian) girl s first day of daycare and preparing her for kindergarten....

\equiv

To Thine Own Self

Dog Ear Publishing, United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Carefree and self assured Carolyn loves her life. Her uncle runs the day-to-day details of her company leaving...

Coping with

Chloe

Phoenix Yard Books. Paperback. Book Condition: new. BRAND NEW, Coping with Chloe, Rosalie Warren, Anna and Chloe are twins. They share everything. Even Chloe's terrible accident hasn't split them apart. But Anna is beginning to realise that being inseparable isn't always easy....

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 expand and inspire young minds; this is...