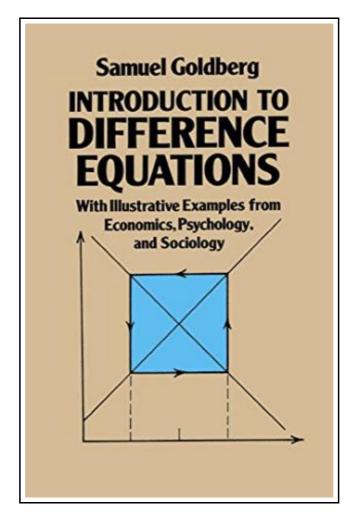
Introduction to Difference Equations Dover Books on Mathematics



Filesize: 6.91 MB

Reviews

This publication is fantastic. It is one of the most amazing publication i have got study. I am just pleased to explain how this is actually the best pdf i have got read through in my individual lifestyle and could be he finest publication for possibly.

(Mr. Kristoffer Hills)

INTRODUCTION TO DIFFERENCE EQUATIONS DOVER BOOKS ON MATHEMATICS



Dover Publications. Paperback. Book Condition: New. Paperback. 288 pages. Dimensions: 8.4in. x 5.3in. x 0.6in.The highest standards of logical clarity are maintained. Bulletin of The American Mathematical SocietyWritten with exceptional lucidity and care, this concise text offers a rigorous introduction to finite differences and difference equations-mathematical tools with widespread applications in the social sciences, economics, and psychology. The exposition is at an elementary level with little required in the way of mathematical background beyond some facility with standard algebraic techniques and the essentials of trigonometry. Moreover, the author explains when needed such relevant ideas as the function concept, mathematical induction, binomial formula, de Moivres Theorem and more. The book begins with a short introductory chapter showing how difference equations arise in the context of social science problems. Chapter One then develops essential parts of the calculus of finite differences. Chapter Two introduces difference equations and some useful applications in the social sciences: compound interest and amortization of debts, the classical Harrod-Domar-Hicks model for growth of national income, Metzlers pure inventory cycle, and others. Chapter Three treats linear differential equations with constant coefficients, including the important question of limiting behavior of solutions, which is discussed and applied to a variety of social science examples. Finally, Chapter Four offers concise coverage of equilibrium values and stability of difference equations, first-order equations and cobweb cycles, and a boundary-value problem. More extensive coverage is devoted to the relatively advanced concepts of generating functions and matrix methods for the solution of systems of simultaneous equations. Throughout, numerous worked examples and over 250 problems, many with answers, enable students to test their grasp of definitions, theorems and applications. Ideal for an undergraduate course or self-study, this cogent treatment will be of interest to all mathematicians, and especially to social scientists, who will find it an excellent...



Read Introduction to Difference Equations Dover Books on Mathematics Online Download PDF Introduction to Difference Equations Dover Books on Mathematics

Related Books



DK Readers Disasters at Sea Level 3 Reading Alone

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in. From fog, ice, and rocks to cannon fire and torpedo attacks--read the story of five doomed sea voyages and the fate...

Save ePub »



DK Readers Robin Hood Level 4 Proficient Readers

DK CHILDREN. Paperback. Book Condition: New. Nick Harris (illustrator). Paperback. 48 pages. Dimensions: 8.4in. x 5.7in. x 0.2in. Discover the rollicking exploits of Robin and his merry men as they take from the rich and give...

Save ePub »



NIrV Outreach Bible

Biblica. Paperback. Book Condition: New. Paperback. 1344 pages. Dimensions: 8.4in. x 5.6in. x 2.5in.This low-cost New International Readers Version Bible (NIrV) is affordably priced for giving away, and is a very effective translation for children,...

Save ePub »



El Desaf

B&H Espanol. Paperback. Book Condition: New. Paperback. 256 pages. Dimensions: 8.4in. x 5.4in. x 0.8in.Los autores del xito de librera El Desafo del Amor para matrimonios han creado El Desafo del Amor para Padres, una...

Save ePub »



The Mystery at Motown Real Kids Real Places

Carole Marsh Books. Paperback. Book Condition: New. Paperback. 158 pages. Dimensions: 7.4in. x 5.2in. x 0.5in.When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are...

Save ePub »