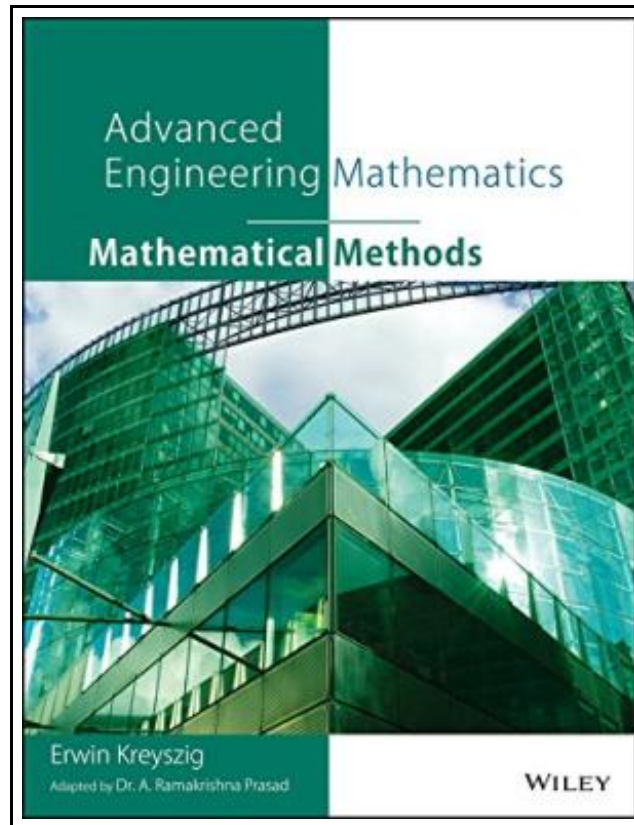


Advanced Engineering Mathematics: Mathematical Methods



Filesize: 6.51 MB

Reviews

This is actually the greatest publication i have go through right up until now. I really could comprehended every little thing using this composed e book. I realized this book from my i and dad advised this ebook to learn.

(Jimmie Schmidt I)

ADVANCED ENGINEERING MATHEMATICS: MATHEMATICAL METHODS



Wiley India Pvt. Ltd, 2014. Softcover. Book Condition: New. Engineering Mathematics is an essential tool for describing and analyzing engineering processes and systems. Mathematics also enables precise representation and communication of knowledge. Mathematical Methods fulfills the need for a book that not only effectively explains the concepts but also aids in visualizing the underlying geometric interpretation. Every chapter has easy to follow explanations of the theory and numerous step-by-step solved problems and examples. The questions have been hand-picked from the previous years' question papers and are suitable to the current pattern of questions asked. Extreme care has been taken to provide careful and correct mathematics, outstanding exercises and helpful worked examples. Chapter 1 Interpolation and Curve Fitting 1.1 Introduction 1.2 Finite Differences 1.3 Interpolation 1.4 Error in Polynomial Interpolation 1.5 Lagrange's Interpolation Formula for Unequal Intervals 1.6 Spline Interpolation 1.7 Curve Fitting Chapter 2 Numerical Techniques 2.1 Introduction 2.2 Graphical Method 2.3 Bisection Method 2.4 Method of False Position Method (Regula-Falsi Method) 2.5 Iteration Method 2.6 Newton-Raphson Method 2.7 Matrix Decomposition Methods (LU Decomposition Method) 2.8 Gauss-Seidel and Jacobi Iteration Method 2.9 Numerical Differentiation 2.10 Numerical Integration 2.11 Solution of Ordinary Differential Equations by Taylor's Series Method 2.12 Picard's Method 2.13 Solution of Ordinary Differential Equation by Euler's Method 2.14 Solution of Ordinary Differential Equation by Runge-Kutta Methods 2.15 Predictor-Corrector Methods Chapter 3 Fourier Series 3.1 Introduction 3.2 Limit of a Function 3.3 Continuity 3.4 Periodic Functions 3.5 Fourier Series 3.6 Dirichlet's Conditions 3.7 Euler's Formulae 3.8 Jump of a Function 3.9 Fourier Series for Discontinuous Functions 3.10 Even and Odd Functions 3.11 Change of Interval 3.12 Half-Range Series Chapter 4 Fourier Transforms 4.1 Introduction 4.2 Integral Transforms 4.3 Fourier Integral 4.4 Complex Form of Fourier Integral 4.5 Fourier Transforms and Inversion Transforms 4.6 Finite Fourier Transforms and Their Inverse...



Read Advanced Engineering Mathematics: Mathematical Methods Online



Download PDF Advanced Engineering Mathematics: Mathematical Methods

Other eBooks



Yearbook Volume 15

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 58 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. This historic book may have numerous typos and missing text. Purchasers can usually download a free...

[Download Book »](#)



The new era Chihpen woman required reading books: Chihpen woman Liu Jieli financial surgery(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 :2012-05-01 Pages: 247 Publisher: Jilin Publishing Group title: new era Chihpen...

[Download Book »](#)



How to Make a Free Website for Kids

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Table of Contents Preface Chapter # 1: Benefits of Having a Website Chapter...

[Download Book »](#)



A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics)

Dover Publications, 2011. Paperback. Book Condition: New. No Jacket. New paperback book copy of A Dog of Flanders by Ouida (Marie Louise de la Ramee). Unabridged in easy to read type. Dover Children's Thrift Classic....

[Download Book »](#)



Angels Among Us: 52 Humorous and Inspirational Short Stories: Lifes Outtakes - Year 7

Publishing Inspiration. Paperback. Book Condition: New. This item is printed on demand. Paperback. 132 pages. Dimensions: 9.0in. x 6.0in. x 0.3in. 52 Humorous And Inspirational Short Stories! 52 humorous and inspirational short stories from year 7 of...

[Download Book »](#)