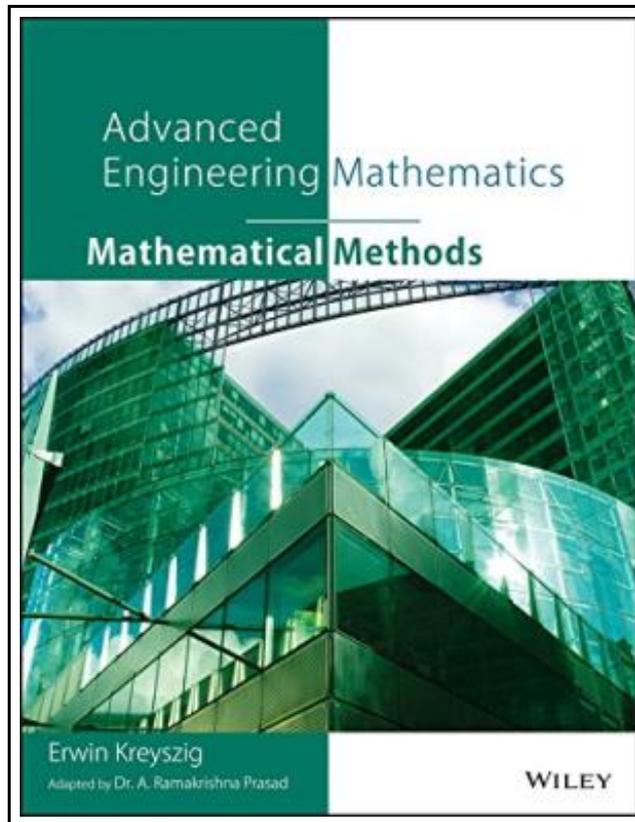


Advanced Engineering Mathematics: Mathematical Methods



Filesize: 9.45 MB

Reviews

*It is simple in study safer to understand. It can be full of knowledge and wisdom Your way of life span is going to be enhance when you full looking at this book.
(Lavina Torp)*

ADVANCED ENGINEERING MATHEMATICS: MATHEMATICAL METHODS



To download **Advanced Engineering Mathematics: Mathematical Methods** PDF, please access the hyperlink below and save the file or gain access to additional information which might be relevant to **ADVANCED ENGINEERING MATHEMATICS: MATHEMATICAL METHODS** ebook.

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 Kindle Books



[PDF] Yearbook Volume 15

Follow the link under to read "Yearbook Volume 15" PDF document.

[Save Document »](#)



[PDF] How to Make a Free Website for Kids (Paperback)

Follow the link under to read "How to Make a Free Website for Kids (Paperback)" PDF document.

[Save Document »](#)



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

Follow the link under to read "A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics)" PDF document.

[Save Document »](#)



[PDF] The new era Chihpen woman required reading books: Chihpen woman Liu Jieli financial surgery(Chinese Edition)

Follow the link under to read "The new era Chihpen woman required reading books: Chihpen woman Liu Jieli financial surgery(Chinese Edition)" PDF document.

[Save Document »](#)



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

Follow the link under to read "Angels Among Us: 52 Humorous and Inspirational Short Stories: Lifes Outtakes - Year 7" PDF document.

[Save Document »](#)



[PDF] Look Up, Look Down! (Pink A)

Follow the link under to read "Look Up, Look Down! (Pink A)" PDF document.

[Save Document »](#)