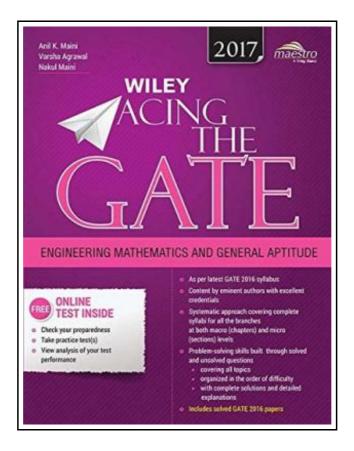
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Reviews

This publication is definitely not simple to begin on studying but quite fun to see. It really is full of knowledge and wisdom I am just effortlessly can get a satisfaction of studying a created pdf. (Alfreda Bradtke)

WILEY ACING THE GATE: ENGINEERING MATHEMATICS AND GENERAL APTITUDE



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Wiley India Pvt. Ltd, 2015. Softcover. Book Condition: New. First edition. The book presents the subjects of Engineering Mathematics and General Aptitude in a systematic, structured and precise manner. It intends to offer GATE aspirants a self-study and do-it-yourself approach by providing comprehensive and step-by-step treatment of each and every aspect of the GATE examination. In addition, the book aims to solve problems faced by aspirants in terms of extensive syllabus coverage, existing incongruity with syllabus, unavailability of a standard book, etc. The emphasis on fundamental concepts helps in developing the aptitude required for success in GATE. The book has all the three important `C` qualities, i.e. Conciseness, Completeness and Correctness. Preface Engineering Mathematics 1 Linear Algebra 1.1 Matrix 1.2 Determinants 1.3 Solutions of Simultaneous Linear Equations 1.4 Augmented Matrix 1.5 Gauss Elimination Method 1.6 Cayley?Hamilton Theorem 1.7 Eigenvalues and Eigenvectors 2 Calculus 2.1 Limits 2.2 Properties of Limits 2.3 Continuity and Discontinuity 2.4 Differentiability 2.5 Mean Value Theorems 2.6 Fundamental Theorem of Calculus 2.7 Differentiation 2.8 Applications of Derivatives 2.9 Partial Derivatives 2.10 Integration 2.11 Methods of Integration 2.12 Definite Integrals 2.13 Improper Integrals 2.14 Double Integration 2.15 Change of Order of Integration 2.16 Triple Integrals 2.17 Applications of Integrals 2.18 Fourier Series 2.19 Vectors 2.20 Line integrals 2.21 Surface Integrals 2.22 Stokes? Theorem 2.23 Green?s Theorem 2.24 Gauss Divergence Theorem 3 Differential Equation 3.1 Introduction 3.2 Solution of a Differential Equation 3.3 Linear Differential Equation 3.4 Particular Integrals 3.5 Homogeneous Linear Equation 3.6 Bernoulli?s Equation 4 Complex Variables 4.1 Introduction 4.2 Complex Functions 4.3 Limit and Continuity of Complex Functions 4.4 Derivative of Complex Variables 4.5 Integration of Complex Variables 4.6 Cauchy?s Theorem 4.7 Cauchy?s Integral Formula 4.8 Taylor?s Series of Complex Variables 4.9 Laurent?s Series of Complex Variables 4.10 Zeros and Poles of an Analytic Function 4.11...



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