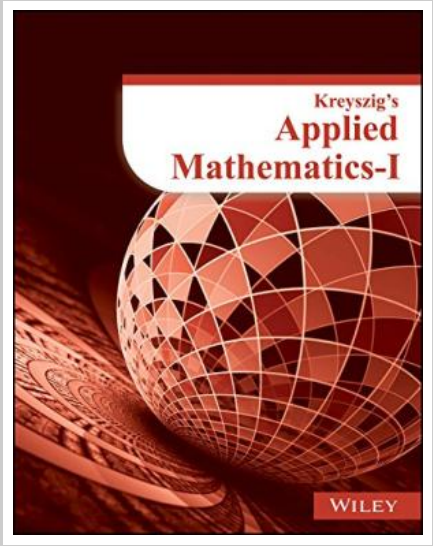


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Kreyszig`s Applied Mathematics - I

By Wiley India Editorial Team

Wiley India Pvt. Ltd., 2014. Softcover. Book Condition: New. This version of Advanced Engineering Mathematics by Prof. Erwin Kreyszig, globally the most popular textbook on the subject, is restructured to present the content in a concise and easy-to-understand manner. It 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 explanation of the theory and numerous step-by-step solved problems and examples. The questions have been hand-picked to suit the current pattern of questions asked. Extreme care has been taken to provide careful and correct mathematics, outstanding exercises. Contents: Chapter 1 Linear Algebra 1.1 Introduction to Matrices 1.2 Definition and Notation: Matrices 1.3 Inverse of a Matrix by Elementary Transformations (or Gauss-Jordan Method) 1.4 Rank of a Matrix 1.5 System of Linear Equations 1.6 Consistency of Homogeneous Linear System of Equations 1.7 Linear Transformations (in General) 1.8 Eigenvalues and Eigenvectors 1.9 Cayley-Hamilton Theorem 1.10 Diagonalization and Powers of a Matrix 1.11 Quadratic Forms 1.12 Vector Spaces Chapter 2 Differential Calculus I 2.1 Introduction 2.2 Successive Differentiation: nth Derivative of Standard Functions 2.3 Leibniz?s Theorem 2.4 Taylor?s and Maclaurin?s Theorems 2.5 Expansion of Functions...

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