

Fourth Edition

Advanced Engineering Mathematics

R.K. Jain • S.R.K. Iyengar



The fourth edition of this very successful book, based on the experience and notes of the authors while teaching mathematics courses to engineering students for more than three decades, emphasizes the fundamental and theoretical concepts. The key features of the book are illustrative examples and exercises that explain each theoretical concept.

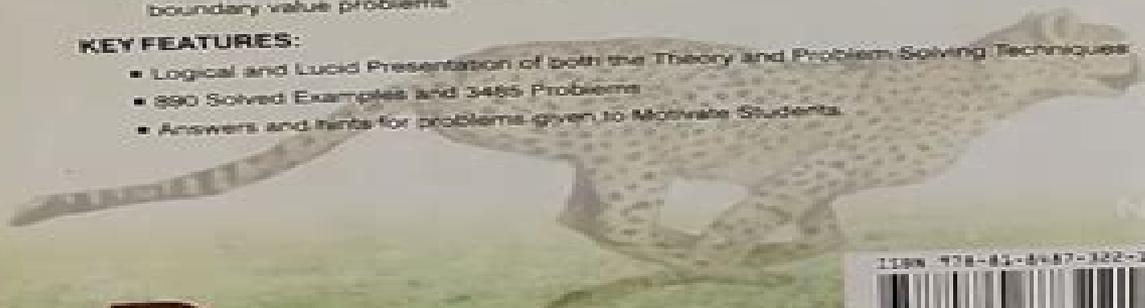
NEW TO THE FOURTH EDITION:

Chapters on:

- Condition number of a matrix and Singular Value Decomposition (Chapter 3)
- Application of Z-transforms to find the sum of series (Chapter 17)
- Cubic splines, B-splines, Romberg integration, Gauss quadrature rules and Two-point boundary value problems.

KEY FEATURES:

- Logical and Lucid Presentation of both the Theory and Problem Solving Techniques
- 890 Solved Examples and 3465 Problems
- Answers and hints for problems given to Motivate Students.



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