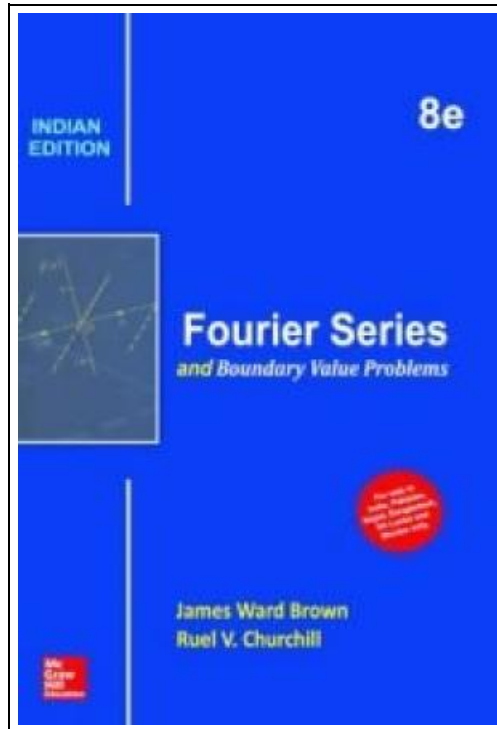


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Reviews

A very great ebook with perfect and lucid answers. It can be packed with wisdom and knowledge I found out this book from my dad and i encouraged this publication to learn.

(Elena McLaughlin)

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Mcgraw Hill Education, 2015. Softcover. Condition: New. 5th or later edition. This is an introductory treatment of Fourier series and their applications to boundary value problems in partial differential equations of engineering and physics. It is designed for students who have completed a first course in ordinary differential equations. In order that the book be accessible to as great a variety of readers as possible, there are footnotes to texts which give proofs of the more delicate results in advanced calculus that are occasionally needed. The physical applications, explained in some detail, are kept on a fairly elementary level. New Features: - Reorganization of Topics: Topics in the text have been realigned to provide a clearer presentation to students. Some topics have been given their own sections to lessen distractions to the students. - Problem Sets Revised: Problem sets have been broken up into more manageable segments to allow for each problem set to be very focused. - Examples Added: Additional examples have been added in each chapter to help illustrate important topics. Many of these have been proposed by users, including a more thorough discussion of Duhamel's principle, eigenvalues, and the Gamma function. Table of Contents 1. Fourier Series 2. Convergence of Fourier Series 3. Partial Differential Equations of Physics 4. The Fourier Method 5. Boundary Value Problems 6. Fourier Integrals and Applications 7. Orthonormal Sets 8. Sturm-Liouville Problems and Applications 9. Bessel Functions and Applications 10. Legendre Polynomials and Applications 11. Verification of Solutions and Uniqueness Printed Pages: 416.



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