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Dr. Charles K. Alexander is a Professor of Electrical and Computer Engineering at Cleveland State University, Cleveland, Ohio. He is also the Director of the Center for Research in Electronics and Aerospace Technology (CREATE). From 2002 until 2006 he was Dean of the Fenn College of Engineering.

Fundamentals of Electric Circuits: Alexander, Charles ... This is a Full Time Course You will Learn Leading-Edge Skills for Software Engineers Programming Fundamentals, along with

Rizzoni's Fundamentals of Electrical Engineering provides a solid overview of the electrical engineering discipline that is especially geared toward the many non-electrical engineering students who take this course. The book was developed to fit the growing trend of the Intro to EE course morphing into a briefer, less comprehensive course. The hallmark feature of this text is its liberal use of practical applications come from every field of engineering and feature exciting technologies. The appeal to non-engineering students are the special features such as Focus on Measurement sections, Focus on Methodology sections, and Make the Connections sidebars.

Divided into four parts: circuits, electronics, digital systems, and electromagnetics, this text provides an understanding of the fundamental principles on which modern electrical engineering is based. It is suitable for a variety of electrical engineering courses, and can also be used as a text for an introduction to electrical engineering.

For use in an introductory circuit analysis or circuit theory course, this text presents circuit analysis in a clear manner, with many practical applications. It demonstrates the principles, carefully explaining each step.

This book serves as a tool for any engineer who wants tolearn about circuits, electrical machines and drives, powerelectronics, and power systems basics From time to time, engineers find they need to brush up oncertain fundamentals within electrical engineering. This clear and concise book is the ideal learning tool for them to quickly learnthe basics or develop an understanding of newer topics. Fundamentals of Electric Power Engineering: From Electromagnetics to Power Systems helps nonelectrical engineersamass power system information quickly by imparting tools and tradetricks for remembering basic concepts and grasping newdevelopments. Created to provide more in-depth knowledge offundamentals—rather than a broad range of applications only—this comprehensive and up-to-date book: Covers topics such as circuits, electrical machines and drives, power electronics, and power system basics as well as newgeneration technologies Allows nonelectrical engineers to build their electricalknowledge quickly Includes exercises with worked solutions to assist readers ingrasping concepts found in the book Contains "in-depth" side bars throughout whichpique the reader 's curiosity Fundamentals of Electric Power Engineering is an idealrefresher course for those involved in this interdisciplinary files for this book, please visit ahref="http://booksupport.wiley.com/"http://booksupport.wiley.com/a

The fourth edition of "Principles and Applications of Electrical Engineering" provides comprehensive coverage of the principles of electronic, and electronic engineering to non-electrical engineering majors. Building on the success of previous editions, this text focuses on relevant and practical applications that will appeal to all engineering students.

Fundamentals of Electric Circuits, 2e is intended for use in the introductory circuit analysis or circuit theory course taught in electrical engineering technology departments. The main objective of this book is to present circuit analysis in a clear, easy-to-understand manner, with many practical applications to interest the student. Each chapter opens with either historical sketches or career information on a subdiscipline of electrical engineering. This is followed by an introduction that includes chapter objectives. Each chapter closes with a summary of the key points and formulas. The authors present principles in an appealing and lucid step-by-step manner, carefully explaining each step. Important formulas are highlighted to help students sort out what is essential and what is not. Many pedagogical aids reinforce the concepts learned in the text so that students get comfortable with the various methods of analysis presented in the text.

Alexander and Sadiku's fifth edition of Fundamentals of Electric Circuits continues in the spirit of its successful previous editions, with the objective of presenting circuit analysis in a manner that is clearer, more interesting, and easier to understand than other, more traditional texts. Students are introduced to the sound, six-step problem solving methodology in chapter one, and are consistently made to apply and practice problems and homework problems throughout the text. A balance of theory, worked examples and extended examples, practice problems, and real-world applications, combined with over 468 new or changed homework problems for the fifth edition and robust media offerings, renders the fifth edition the most comprehensive and student-friendly approach to linear circuit analysis. This edition retains the Design a Problem feature which helps students develop their design skills by having the student develop the question as well as the solution. There are over 100 Design a Problem exercises integrated into the problem sets in the book.

"Alexander and Sadiku's sixth edition of Fundamentals of Electric Circuits continues in the spirit of its successful previous editions, with the objective of presenting circuit analysis in a manner that is clearer, more interesting, and easier to understand than other, more traditional texts. Students are introduced to the sound, six-step problem solving methodology in chapter one, and are consistently made to apply and practice these steps in practice problems and homework problems throughout the text."--Publisher's website.

This Solution Manual, a companion volume of the book, Fundamentals of Solid-State Electronics, provides the solutions to selected problems listed in the book. Most of the solutions are for the selected problems that had been assigned to the engineering undergraduate students who were taking an introductory device core course using this book. This Solution Manual also contains an extensive appendix which illustrates the application of the fundamentals to solutions of state-of-the-art transistor reliability problems which have been taught to advanced undergraduate and graduate students. This book is also available as a set with Fundamentals of Solid-State Electronics and Fundamentals of Solid-State Electronics — Study Guide.

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