Electrical Engineering Fundamentals, Second Edition

By Vincent Del Toro

PHI Learning 0. Softcover. Condition: New. 2nd edition. This book is designed to provide a firm foundation in each of the five principal areas of Electrical Engineering. It is intended for the same courses where Del Toro`s "Principles of Electrical Engineering" is being used. This edition is entirely rewritten and gives the student the option of using either the Laplace transform method or the classical method to solve problems on transients in circuits.The author develops each topic from a few fundamental laws, such as Coulomb`s Law, Ohm`s Law, Faraday`s Law, etc. to impart a clearer and more unified understanding of concepts.The book is ideal for both majoring and non-majoring students of Electrical Engineering. CONTENTS: Preface. The Fundamental Laws of Electrical Engineering. PART ONE: ELECTRIC CIRCUIT THEORY_The Circuit Elements. Elementary Network Theory. Circuit Differential Equations: Forms and Solutions. Circuit Dynamics and Forced Responses. The Laplace-Transform Method of Finding Circuit Solutions. Sinusoidal Steady-State Response of Circuits. PART TWO: ELECTRONICS_Electron Control Devices: Semiconductor Types. Semiconductor Electronic Circuits. Special Topics and Applications. PART THREE: DIGITAL SYSTEMS_Binary Logic: Theory and Implementation. Simplifying Logical Functions. Components of Digital Systems. Microprocessor Computer Systems. PART FOUR: ELECTROMECHANICAL ENERGY CONVERSION_Magnetic Theory and Circuits. Transformers. Electromechanical Energy Conversion. The Three-Phase...

READ ONLINE
[8.1 MB]

Reviews

An incredibly amazing ebook with perfect and lucid answers. It is writter in basic terms and never difficult to understand. Its been written in an exceptionally basic way and it is only right after i finished reading this ebook in which in fact modified me, affect the way i really believe.
-- Beverly Hoppe

Extremely helpful for all class of individuals. Better then never, though i am quite late in start reading this one. I realized this publication from my i and dad suggested this ebook to discover.
-- Adela Schroeder II

Other Kindle Books

I Learn, I Speak: Basic Skills for Preschool Learners of English and Chinese

Paraxus International, Inc., United States, 2012. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Please go to // and shapes for some high resolution sample pages. Learn Chinese - Basic Skills for...

Tinga Tinga Tales: Why Lion Roars - Read it Yourself with Ladybird

Paperback. Book Condition: New. Not Signed; This is a Tinga Tinga tale inspired by traditional stories from Africa. Lion is king of Tinga Tinga but he can't roar! Can his friend Flea help Lion to find his roar and behave more like...

New KS2 English SAT Buster 10-Minute Tests: 2016 SATs & Beyond

Paperback. Book Condition: New. Not Signed; This is Book 2 of CGP's SAT Buster 10-Minute Tests for KS2 Grammar, Punctuation & Spelling - it's a brilliant way to introduce English SATS preparation in bite-sized chunks. Each set of quick tests is packed...

First Fairy Tales

Board book. Book Condition: New. Not Signed; This is a traditional story that is retold in rhyme in this chunky padded boardbook. When a couple of tailors offer to make a suit from material so wondrous that only clever people can see...

Fox All Week: Level 3

Penguin Putnam Inc, United States, 2004. Paperback. Book Condition: New. James Marshall (illustrator). Puffin Easy-To-Read ed.. 224 x 147 mm. Language: English . Brand New Book. Using their cache of already published easy-to-read books, Puffin launched their Easy-to-Read program. Favorite stories by...

Homeschool Your Child for Free: More Than 1,400 Smart, Effective, and Practical Resources for Educating Your Family at Home

Random House USA Inc, United States, 2009. Paperback. Book Condition: New. 2nd. 229 x 185 mm. Language: English . Brand New Book. Provide a solid education at home without breaking the bank. Introduced in 2000, Homeschool Your Child for Free gave countless...