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CDA - FERGUSON SPENCE

The demand for communication networks has increased dramatically in the last few years, creating a need for an intermediate network that operates over a metropolitan area at comparatively high data rates with simple protocols. With some characteristics of local area networks and wide area networks, the metropolitan area network (MAN) technology reflects the best features of both. The motivations for MAN technology include o interconnection of LANs o high-speed services o integrated services. MANs can be used in the following areas: LAN interconnection File-transfer Distributed processing Remote services

Remote login Metropolitan Area Networks provides an introduction to the key concepts of MANs in an easily understood style. Organized into five chapters, this unique book acts as an excellent reference for a beginner as well as for the veteran in the field. Topics include: Introductory and background information about MANs Interworking devices, MAN topologies, and key issues Various popular protocols proposed for MANs Modeling and performance analysis of common MAN topologies Emerging MAN-related technologies such as BISDN, ATM networks, frame relay, cell relay, SONET, and SMDS For a broad understanding of this expanding subject, Metropolitan Area Networks serves as the singu-

lar standard in the field. You can use this book to design a house for yourself with your family; you can use it to work with your neighbors to improve your town and neighborhood; you can use it to design an office, or a workshop, or a public building. And you can use it to guide you in the actual process of construction. After a ten-year silence, Christopher Alexander and his colleagues at the Center for Environmental Structure are now publishing a major statement in the form of three books which will, in their words, "lay the basis for an entirely new approach to architecture, building and planning, which will we hope replace existing ideas and practices entirely." The three books are The Timeless Way of Building, The

Oregon Experiment, and this book, *A Pattern Language*. At the core of these books is the idea that people should design for themselves their own houses, streets, and communities. This idea may be radical (it implies a radical transformation of the architectural profession) but it comes simply from the observation that most of the wonderful places of the world were not made by architects but by the people. At the core of the books, too, is the point that in designing their environments people always rely on certain "languages," which, like the languages we speak, allow them to articulate and communicate an infinite variety of designs within a forma system which gives them coherence. This book provides a language of this kind. It will enable a person to make a design for almost any kind of building, or any part of the built environment. "Patterns," the units of this language, are answers to design problems (How high should a window sill be? How many stories should a building have? How much space in a neighborhood should be devoted to grass and trees?). More than 250 of the patterns in this pattern language are given:

each consists of a problem statement, a discussion of the problem with an illustration, and a solution. As the authors say in their introduction, many of the patterns are archetypal, so deeply rooted in the nature of things that it seems likely that they will be a part of human nature, and human action, as much in five hundred years as they are today.

An accessible, yet mathematically rigorous, one-semester textbook, engaging students through use of problems, examples, and applications.

Includes Part 1, Number 2: Books and Pamphlets, Including Serials and Contributions to Periodicals July - December)

The fourth edition of this work continues to provide a thorough perspective of the subject, communicated through a clear explanation of the concepts and techniques of electric circuits. This edition was developed with keen attention to the learning needs of students. It includes illustrations that have been redesigned for clarity, new problems and new worked examples. Margin notes in the text point out the option of integrating PSpice with the provided Introduction to

PSpice; and an instructor's roadmap (for instructors only) serves to classify homework problems by approach. The author has also given greater attention to the importance of circuit memory in electrical engineering, and to the role of electronics in the electrical engineering curriculum.

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 these steps in 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.

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.

Municipal Shared Services and Consolidation provides a comprehensive and clear review of the theories and practices of structuring and managing complex local government services. Intended for both students and practitioners, this volume in the Public Solutions Handbook Series addresses concepts and processes of shaping collaborative arrangements in public service with goals of effectiveness and efficiency in mind. The Handbook begins with a review of theories of shared services and consolidation, highlighting conceptual foundations, practical barriers, and cultural considerations related to these efforts. Specific, practical advice fol-

lows, highlighting the processes of creating, implementing, and managing shared services and consolidation agreements. Municipal Shared Services and Consolidation is exceptionally well written and is amplified by examples, cases, illustrations, and a comprehensive bibliography.

This report reviews engineering's importance to human, economic, social and cultural development and in addressing the UN Millennium Development Goals. Engineering tends to be viewed as a national issue, but engineering knowledge, companies, conferences and journals, all demonstrate that it is as international as science. The report reviews the role of engineering in development, and covers issues including poverty reduction, sustainable development, climate change mitigation and adaptation. It presents the various fields of engineering around the world and is intended to identify issues and challenges facing engineering, promote better understanding of engineering and its role, and highlight ways of making engineering more attractive to young people, especially women.--Publisher's description.

Bridging the fields of conservation, art history, and museum curating, this volume contains the principal papers from an international symposium titled "Historical Painting Techniques, Materials, and Studio Practice" at the University of Leiden in Amsterdam, Netherlands, from June 26 to 29, 1995. The symposium—designed for art historians, conservators, conservation scientists, and museum curators worldwide—was organized by the Department of Art History at the University of Leiden and the Art History Department of the Central Research Laboratory for Objects of Art and Science in Amsterdam. Twenty-five contributors representing museums and conservation institutions throughout the world provide recent research on historical painting techniques, including wall painting and polychrome sculpture. Topics cover the latest art historical research and scientific analyses of original techniques and materials, as well as historical sources, such as medieval treatises and descriptions of painting techniques in historical literature. Chapters include the painting methods of Rembrandt and Vermeer, Dutch 17th-century lands-

cape painting, wall paintings in English churches, Chinese paintings on paper and canvas, and Tibetan thangkas. Color plates and black-and-white photographs illustrate works from the Middle Ages to the 20th century.

Praise for the first edition: "This excellent text will be useful to every system engineer (SE) regardless of the domain. It covers ALL-relevant SE material and does so in a very clear, methodical fashion. The breadth and depth of the author's presentation of SE principles and practices is outstanding." -Philip Allen

This textbook presents a comprehensive, step-by-step guide to System Engineering analysis, design, and development via an integrated set of concepts, principles, practices, and methodologies. The methods presented in this text apply to any type of human system -- small, medium, and large organizational systems and system development projects delivering engineered systems or services across multiple business sectors such as medical, transportation, financial, educational, governmental, aerospace and defense, utilities, political, and charity, among others. Provides a common focal point for "bridging the gap" between and

unifying System Users, System Acquirers, multi-discipline System Engineering, and Project, Functional, and Executive Management education, knowledge, and decision-making for developing systems, products, or services. Each chapter provides definitions of key terms, guiding principles, examples, author's notes, real-world examples, and exercises, which highlight and reinforce key SE&D-concepts and practices. Addresses concepts employed in Model-Based Systems Engineering (MBSE), Model-Driven Design (MD-D), Unified Modeling Language (UML/TM) / Systems Modeling Language (SysML/TM), and Agile/Spiral/V-Model Development such as user needs, stories, and use cases analysis; specification development; system architecture development; User-Centric System Design (UCSD); interface definition & control; system integration & test; and Verification & Validation (V&V). Highlights/introduces a new 21st Century Systems Engineering & Development (SE&D) paradigm that is easy to understand and implement. Provides practices that are critical staging points for technical decision making such as Technical Strategy Development;

Life Cycle requirements; Phases, Modes, & States; SE Process; Requirements Derivation; System Architecture Development, User-Centric System Design (UCSD); Engineering Standards, Coordinate Systems, and Conventions; et al. Thoroughly illustrated, with end-of-chapter exercises and numerous case studies and examples, Systems Engineering Analysis, Design, and Development, Second Edition is a primary textbook for multi-discipline, engineering, system analysis, and project management undergraduate/graduate level students and a valuable reference for professionals.

Complex problem solving is the core skill for 21st Century Teams. Complex problem solving is at the very top of the list of essential skills for career progression in the modern world. But how problem solving is taught in our schools, universities, businesses and organizations comes up short. In *Bullet-proof Problem Solving: The One Skill That Changes Everything* you'll learn the seven-step systematic approach to creative problem solving developed in top consulting firms that will work in any field or industry, turning you into a highly sought-

after bulletproof problem solver who can tackle challenges that others balk at. The problem-solving technique outlined in this book is based on a highly visual, logic-tree method that can be applied to everything from everyday decisions to strategic issues in business to global social challenges. The authors, with decades of experience at McKinsey and Company, provide 30 detailed, real-world examples, so you can see exactly how the technique works in action. With this bulletproof approach to defining, unpacking, understanding, and ultimately solving problems, you'll have a personal superpower for developing compelling solutions in your workplace. Discover the time-tested 7-step technique to problem solving that top consulting professionals employ. Learn how a simple visual system can help you break down and understand the component parts of even the most complex problems. Build team brainstorming techniques that fight cognitive bias, streamline workplanning, and speed solutions. Know when and how to employ modern analytic tools and techniques from machine learning to game theory. Learn how to structure

and communicate your findings to convince audiences and compel action. The secrets revealed in *Bulletproof Problem Solving* will transform the way you approach problems and take you to the next level of business and personal success.

"One of the most profound and illuminating studies of this century to have been published in recent decades."—John Gray, *New York Times* Book Review. Hailed as "a magisterial critique of top-down social planning" by the *New York Times*, this essential work analyzes disasters from Russia to Tanzania to uncover why states so often fail—sometimes catastrophically—in grand efforts to engineer their society or their environment, and uncovers the conditions common to all such planning disasters. "Beautifully written, this book calls into sharp relief the nature of the world we now inhabit."—*New Yorker*. "A tour de force."—Charles Tilly, Columbia University. Education for Sustainable Development (ESD) is globally acknowledged as a powerful driver of change, empowering learners to make decisions and take actions needed to build a just and

economically viable society that respects both the environment and cultural diversity.

Inspired by Richard Feynman and J.J. Sakurai, *A Modern Approach to Quantum Mechanics* allows lecturers to expose their undergraduates to Feynman's approach to quantum mechanics while simultaneously giving them a textbook that is well-ordered, logical and pedagogically sound. This book covers all the topics that are typically presented in a standard upper-level course in quantum mechanics, but its teaching approach is new. Rather than organizing his book according to the historical development of the field and jumping into a mathematical discussion of wave mechanics, Townsend begins his book with the quantum mechanics of spin. Thus, the first five chapters of the book succeed in laying out the fundamentals of quantum mechanics with little or no wave mechanics, so the physics is not obscured by mathematics. Starting with spin systems it gives students straightforward examples of the structure of quantum mechanics. When wave mechanics is introduced later, students should perceive it correctly as only one aspect of

quantum mechanics and not the core of the subject.

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. A balance of theory, worked & extended examples, practice problems, and real-world applications, combined with over 468 new or changed homework problems complete this edition. Robust media offerings, renders this text to be the most comprehensive and student-friendly approach to linear circuit analysis out there. This book 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 problem sets in the book. McGraw-Hill

Education's Connect, is also available as an optional, add on item. Connect is the only integrated learning system that empowers students by continuously adapting to deliver precisely what they need, when they need it, how they need it, so that class time is more effective. Connect allows the professor to assign homework, quizzes, and tests easily and automatically grades and records the scores of the student's work. Problems are randomized to prevent sharing of answers and may also have a "multi-step solution" which helps move the students' learning along if they experience difficulty.

Based on course-tested material, this rigorous yet accessible graduate textbook covers both fundamental and advanced optimization theory and algorithms. It covers a wide range of numerical methods and topics, including both gradient-based and gradient-free algorithms, multidisciplinary design optimization, and uncertainty, with instruction on how to determine which algorithm should be used for a given application. It also provides an overview of models and how to prepare them for use with numerical optimization, in-

cluding derivative computation. Over 400 high-quality visualizations and numerous examples facilitate understanding of the theory, and practical tips address common issues encountered in practical engineering design optimization and how to address them. Numerous end-of-chapter homework problems, progressing in difficulty, help put knowledge into practice. Accompanied online by a solutions manual for instructors and source code for problems, this is ideal for a one- or two-semester graduate course on optimization in aerospace, civil, mechanical, electrical, and chemical engineering departments.

As the availability of powerful computer resources has grown over the last three decades, the art of computation of electromagnetic (EM) problems has also grown - exponentially. Despite this dramatic growth, however, the EM community lacked a comprehensive text on the computational techniques used to solve EM problems. The first edition of Numerical Techniques in Electromagnetics filled that gap and became the reference of choice for thousands of engineers, researchers, and students. The Second Edition

of this bestselling text reflects the continuing increase in awareness and use of numerical techniques and incorporates advances and refinements made in recent years. Most notable among these are the improvements made to the standard algorithm for the finite difference time domain (FDTD) method and treatment of absorbing boundary conditions in FDTD, finite element, and transmission-line-matrix methods. The author also added a chapter on the method of lines. Numerical Techniques in Electromagnetics continues to teach readers how to pose, numerically analyze, and solve EM problems, give them the ability to expand their problem-solving skills using a variety of methods, and prepare them for research in electromagnetism. Now the Second Edition goes even further toward providing a comprehensive resource that addresses all of the most useful computation methods for EM problems. Introductory Statistics is designed for the one-semester, introduction to statistics course and is geared toward students majoring in fields other than math or engineering. This text assumes students have been exposed

to intermediate algebra, and it focuses on the applications of statistical knowledge rather than the theory behind it. The foundation of this textbook is Collaborative Statistics, by Barbara Illowsky and Susan Dean. Additional topics, examples, and ample opportunities for practice have been added to each chapter. The development choices for this textbook were made with the guidance of many faculty members who are deeply involved in teaching this course. These choices led to innovations in art, terminology, and practical applications, all with a goal of increasing relevance and accessibility for students. We strove to make the discipline meaningful, so that students can draw from it a working knowledge that will enrich their future studies and help them make sense of the world around them. Coverage and Scope Chapter 1 Sampling and Data Chapter 2 Descriptive Statistics Chapter 3 Probability Topics Chapter 4 Discrete Random Variables Chapter 5 Continuous Random Variables Chapter 6 The Normal Distribution Chapter 7 The Central Limit Theorem Chapter 8 Confidence Intervals Chapter 9 Hypothesis Testing with One Sample

Chapter 10 Hypothesis Testing with Two Samples Chapter 11 The Chi-Square Distribution Chapter 12 Linear Regression and Correlation Chapter 13 F Distribution and One-Way ANOVA 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. A balance of theory, worked & extended examples, practice problems, and real-world applications, combined with over 468 new or changed homework problems complete the sixth edition. Robust media offerings, renders this text to be the most comprehensive and student-friendly approach to linear circuit analysis out there. This book retains the "Design a Problem" feature which helps students develop their de-

sign skills by having the student develop the question, as well as the solution. There are over 100 "Design a Problem" exercises integrated into problem sets in the book. Also available with the sixth edition is Connect - available January of 2016. Connect is the only integrated learning system that empowers students by continuously adapting to deliver precisely what they need, when they need it, how they need it, so that class time is more engaging and effective.

Finalist for the 2018 National Council on Crime & Delinquency's Media for a Just Society Awards Nominated for the 49th NAACP Image Award for Outstanding Literary Work (Nonfiction) A 2017 Washington Post Notable Book A Kirkus Best Book of 2017 "Butler has hit his stride. This is a meditation, a sonnet, a legal brief, a poetry slam and a dissertation that represents the full bloom of his early thesis: The justice system does not work for blacks, particularly black men." —The Washington Post "The most readable and provocative account of the consequences of the war on drugs since Michelle Alexander's *The New Jim Crow*" —The

New York Times Book Review "Powerful . . . deeply informed from a legal standpoint and yet in some ways still highly personal" —The Times Literary Supplement (London) With the eloquence of Ta-Nehisi Coates and the persuasive research of Michelle Alexander, a former federal prosecutor explains how the system really works, and how to disrupt it Cops, politicians, and ordinary people are afraid of black men. The result is the Chokehold: laws and practices that treat every African American man like a thug. In this explosive new book, an African American former federal prosecutor shows that the system is working exactly the way it's supposed to. Black men are always under watch, and police violence is widespread—all with the support of judges and politicians. In his no-holds-barred style, Butler, whose scholarship has been featured on 60 Minutes, uses new data to demonstrate that white men commit the majority of violent crime in the United States. For example, a white woman is ten times more likely to be raped by a white male acquaintance than be the victim of a violent crime perpetrated by a black man.

Butler also frankly discusses the problem of black on black violence and how to keep communities safer—without relying as much on police. Chokehold powerfully demonstrates why current efforts to reform law enforcement will not create lasting change. Butler's controversial recommendations about how to crash the system, and when it's better for a black man to plead guilty—even if he's innocent—are sure to be game-changers in the national debate about policing, criminal justice, and race relations.

Based on careful analysis of burden of disease and the costs of interventions, this second edition of 'Disease Control Priorities in Developing Countries, 2nd edition' highlights achievable priorities; measures progress toward providing efficient, equitable care; promotes cost-effective interventions to targeted populations; and encourages integrated efforts to optimize health. Nearly 500 experts - scientists, epidemiologists, health economists, academicians, and public health practitioners - from around the world contributed to the data sources and methodologies, and identified challenges and priorities, resulting in this integrated,

comprehensivereference volume on the state of health in developing countries.

#1 NATIONAL BEST-SELLER • Two starcrossed magicians engage in a deadly game of cunning in the spellbinding novel that captured the world's imagination. • "Part love story, part fable ... defies both genres and expectations." —The Boston Globe The circus arrives without warning. No announcements precede it. It is simply there, when yesterday it was not. Within the black-and-white striped canvas tents is an utterly unique experience full of breathtaking amazements. It is called *Le Cirque des Rêves*, and it is only open at night. But behind the scenes, a fierce competition is underway: a duel between two young magicians, Celia and Marco, who have been trained since childhood expressly for this purpose by their mercurial instructors. Unbeknownst to them both, this is a game in which only one can be left standing. Despite the high stakes, Celia and Marco soon tumble headfirst into love, setting off a domino effect of dangerous consequences, and leaving the lives of everyone, from the performers to the pa-

trons, hanging in the balance.

"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.

The significantly expanded and updated new edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence. Reinforcement learning, one of the most active research areas in artificial intelligence, is a computational approach to learning whereby an agent tries to maximize the total amount of reward it receives while interacting with a complex, uncertain environment. In *Reinforcement Learning*, Richard Sutton and Andrew Barto provide a clear and simple

account of the field's key ideas and algorithms. This second edition has been significantly expanded and updated, presenting new topics and updating coverage of other topics. Like the first edition, this second edition focuses on core online learning algorithms, with the more mathematical material set off in shaded boxes. Part I covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient methods. Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning.

Explores the century-long controversy over the origins of coral reefs, a debate that split the world of nineteenth-century science, looking at the diverse roles of Louis Agassiz, his son Alexander, and Charles Darwin and reflecting on how the search for the truth shed new light on the formation of Earth and its natural wonders.

An encyclopedia designed especially to meet the needs of elementary, junior high, and senior high school students.

A practical guide to effective business model testing 7 out of 10 new products fail to deliver on expectations. Testing Business Ideas aims to reverse that statistic. In the tradition of Alex Osterwalder's global bestseller Business Model Generation, this practical guide contains a library of hands-on techniques for rapidly testing new business ideas. Testing Business Ideas explains how systematically testing business ideas dramatically reduces the risk and increases the likelihood of success for any new venture or business project. It builds on the internationally popular Business Model Canvas and Value Proposition Canvas by integrating Assumptions Mapping and

other powerful lean startup-style experiments. Testing Business Ideas uses an engaging 4-color format to: Increase the success of any venture and decrease the risk of wasting time, money, and resources on bad ideas Close the knowledge gap between strategy and experimentation/validation Identify and test your key business assumptions with the Business Model Canvas and Value Proposition Canvas A definitive field guide to business model testing, this book features practical tips for making major decisions that are not based on intuition and guesses. Testing Business Ideas shows leaders how to encourage an experimentation mindset within their organization and make experimentation a continuous, repeatable process.

One of the most cited books in physics of all time, Quantum Computation and Quantum Information remains the best textbook in this exciting field of science. This 10th anniversary edition includes an introduction from the authors setting the work in context. This comprehensive textbook describes such remarkable effects as fast quantum algorithms, quantum tele-

portation, quantum cryptography and quantum error-correction. Quantum mechanics and computer science are introduced before moving on to describe what a quantum computer is, how it can be used to solve problems faster than 'classical' computers and its real-world implementation. It concludes with an in-depth treatment of quantum information. Containing a wealth of figures and exercises, this well-known textbook is ideal for courses on the subject, and will interest beginning graduate students and researchers in physics, computer science, mathematics, and electrical engineering.

Fundamentals of Electric Circuits, 2e is intended for use in the introductory circuit analysis or circuit theory course taught in electrical engineering or 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.

This title is intended to present circuit analysis to engineering technology students in a manner that is clearer, more interesting and easier to understand than other texts. The book may also be used for a one-semester course by a proper selection of chapters and sections by the instructor.

From the Preface: This manual, *Child Protective Services: A Guide for Caseworkers*, examines the roles and responsibilities of child protective services (CPS) workers, who are at the forefront of every community's child protection efforts. The manual describes the basic stages of the CPS process and the steps necessary to accomplish each stage: intake, initial assessment or investigation, family assessment, case planning,

service provision, evaluation of family progress, and case closure. Best practices and critical issues in casework practice are underscored throughout. The primary audience for this manual includes CPS caseworkers, supervisors, and administrators. State and local CPS agency trainers may use the manual for preservice or inservice training of CPS caseworkers, while schools of social work may add it to class reading lists to orient students to the field of child protection. In addition, other professionals and concerned community members may consult the manual for a greater understanding of the child protection process. This manual builds on the information presented in *A Coordinated Response to Child Abuse and Neglect: The Foundation for Practice*. Readers are encouraged to begin with that manual as it addresses important information on which CPS practice is based—including definitions of child maltreatment, risk factors, consequences, and the Federal and State basis for intervention. Some manuals in the series also may be of interest in understanding the roles of other professional groups in responding to child abuse and ne-

glect, including: Substance abuse treatment providers; Domestic violence victim advocates; Educators; Law enforcement personnel. Other manuals address special issues, such as building partnerships and working with the courts on CPS cases.

Flipping John Howard Griffin's classic *Black Like Me*, and extending Noel Ignatiev's *How The Irish Became White* into the present-day, *Wise* explores the meanings and consequences of whiteness, and discusses the ways in which racial privilege can harm not just people of color, but also whites. Using stories instead of stale statistics, *Wise* weaves a narrative that is at once readable and yet scholarly; analytical and yet accessible.

This text is written for use in a second course in circuit analysis. It encompasses a spectrum of subjects ranging from the most abstract to the most practical, and the material can be covered in one semester or two quarters. The reader of this book should have the traditional undergraduate knowledge of an introductory circuit analysis material such as *Circuit Analysis I with MATLAB Computing*

and Simulink/ SimPower-SystemsModeling, ISBN 978-1-934404-17-1. Another prerequisite would be a basic knowledge of differential equations, and in most cases, engineering students at this level have taken all re-

quired mathematics courses. Appendix H serves as a review of differential equations with emphasis on engineering related topics and it is recommended for readers who may need a review of this subject.

This workbook is for sale

to students who wish to practice their problem solving techniques. The workbook contains a discussion of problem solving strategies and 150 additional problems with complete solutions provided.