Understanding Structures Fuller Moore

This is a comprehensive guide to all types of natural and man made disasters and their effect on buildings. It gives overall guidance and a basic technical understanding of prevention, mitigation and management of disaster, and outlines a checklist of preventive design elements for each situation. Every category is illustrated with a case study which pin points the essential information that is crucial to architects and engineers in designing buildings with disaster prevention in mind. The aim of the book is to give a clear understanding of the nature of events and problems, and to enable readers to respond with knowledge to the unique demands placed on their designs. A special emphasis is also placed on re-building as an opportunity to start again. For the specialists this is a process of constant learning and improving techniques in the light of events past.

Illustrated with hundreds of illuminating line drawings, this classic guide reveals virtually every secret of a building's function: how it stands up, keeps its occupants safe and comfortable, gets built, grows old, and dies--and why some buildings do this so much better than others. Drawing on things he's learned from the many buildings he himself designed (and in some cases built with his own hands), Edward Allen explains complex phenomena such as the role of the sun in heating buildings and the range of structural devices that are used for support, from trusses and bearing walls to post-tensioned concrete beams and corbeled vaults. He stresses the importance of intelligent design in dealing with such problems as overheating and overcooling, excessive energy use, leaky roofs and windows, fire safety, and noisy interiors. He serves up some surprises: thermal insulation is generally a better investment than solar collectors; board fences are not effective noise barriers; there's one type of window that can be left open during a rainstorm. The new edition emphasizes "green" architecture and eco-conscious design and construction. It features a prologue on sustainable construction, and includes new information on topics such as the collapse of the World Trade Center, sick building syndrome, and EIFS failures and how they could have been prevented. Allen also highlights the array of amazing new building materials now available, such as self-cleaning glass, photovoltaics, transparent ceramics, cloud gel, and super-high-strength concrete and structural fibers. Edward Allen makes it easy for everyone--from armchair architects and sidewalk superintendents to students of architecture and construction--to understand the mysteries and complexities of even the largest building, from how it recycles waste and controls the movement of air, to how it is kept alive and growing.

This textbook provides an in depth course on data structures in the context of object oriented development. Its main themes are abstraction, implementation, encapsulation, and measurement: that is, that the software process begins with abstraction of data types, which then lead to alternate representations and encapsulation, and finally to resource measurement. A clear object oriented approach, making use of Booch components, will provide readers with a useful library of data structure components and experience in software reuse. Students using this book are expected to have a reasonable understanding of the basic logical structures such as stacks and queues. Throughout, Ada 95 is used and the author takes full advantage of Ada's encapsulation features and the ability to present specifications without implementational details. Ada code is supported by two suites available over the World Wide Web.

Book Cover -- Title -- Copyright -- Contents -- List of illustrations -- List of tables -- Preface -- Acknowledgements -- Referencing -- Glossary and index -- CHAPTER 1 The Idea of the Past -- CHAPTER 2 Discovery and Investigation -- CHAPTER 3 Excavation -- CHAPTER 4 Dating the past -- CHAPTER 5 Archaeological science -- CHAPTER 6 Making sense of the past -- GLOSSARY -- BIBLIOGRAPHY -- INDEX

First published in 1996, The Eyes of the Skin has become a classic of architectural theory. It asks the far-reaching question why, when there are five senses, has one single sense – sight – become so predominant in architectural culture and design? With the ascendancy of the digital and the all-pervasive use of the image electronically, it is a subject that has become all the more pressing and topical since the first edition's publication in the mid-1990s. Juhani Pallasmaa argues that the suppression of the other four sensory realms has led to the overall impoverishment of our built environment, often diminishing the emphasis on the spatial experience of a building and architecture's ability to inspire, engage and be wholly life enhancing. For every student studying Pallasmaa's classic text for the first time, The Eyes of the Skin is a revelation. It compellingly provides a totally fresh insight into architectural culture. This third edition meets readers' desire for a further understanding of the context of Pallasmaa's thinking by providing a new essay by architectural author and educator Peter MacKeith. This text combines both a biographical portrait of Pallasmaa and an outline of his architectural thinking, its origins and its relationship to the wider context of Nordic and European thought, past and present. The focus of the essay is on the fundamental humanity, insight and sensitivity of Pallasmaa's approach to architecture, bringing him closer to the reader. This is illustrated by Pallasmaa's sketches and photographs of his own work. The new edition also provides a foreword by the internationally renowned architect Steven Holl and a revised introduction by Pallasmaa himself.

Excellent guides to hundreds of terms used in Greek, Roman, Medieval, and Renaissance architecture, with index to illustrations identifying cathedrals, castles, parish churches. "Relevant and practical." — Clem Labine's Traditional Building.

Violets and Other Tales (1895) is a collection of stories and poems by Alice Dunbar Nelson. While working as a teacher in New Orleans, Dunbar Nelson published Violets and Other Tales through The Monthly Review, embarking on a career as a leading black writer of the early twentieth century. "If perchance this collection of idle thoughts may serve to while away an hour or two, or lift for a brief space the load of care from someone's mind, their purpose has been served—the author is satisfied." With this entreaty, Alice Dunbar Nelson introduces her first published work with a humility and caution rather unfitting an author of such immense talent. In this collection of reflections, vignettes, short stories, and poems, Dunbar Nelson proves herself as a writer immersed in the classics, yet capable of illuminating the events and concerns of her own generation. In "A Carnival Jangle," she provides a vibrant description of New Orleans during its legendary season of celebration. "The Unknown Life of Jesus Christ" presents itself as a newly discovered manuscript revealing Jesus' travels in India. Dunbar Nelson's brilliant prose style is nicely juxtaposed with her expertise in poetic form as she moves fluidly from love poems to religious verses, narrative poems to heartbreaking elegies. Only twenty years old when this collection was published, Dunbar Nelson executes a brilliant debut to a long and distinguished career in literature. With a beautifully designed cover and professionally typeset manuscript, this edition of Alice Dunbar Nelson's Violets and Other Tales is a classic of African American literature reimagined for modern readers.

Aimed at architects, engineers, construction managers, and urban planners.

Architectural facades now have the potential to be literally kinetic, through automated sunscreens and a range of animated surfaces. This book explores the aesthetic potential of these new types of moving facades. Critique of theory and practice in architecture is combined here with ideas from kinetic art of the 1960's. From this background the basic principles of kinetics are defined and are used to generate experimental computer animations. By classifying the animations, a theory of kinetic form called 'state change' is developed. This design research provides a unique and timely resource for those interested in the capacity of kinetics to enliven the public face of architecture. Extra material including animations can be seen at www.kineticarch.net/statechange

Explores the dynamics of power, discussing how it either can make human flourishing possible or can destroy the image of God in people.

A Practical Exam Guide for the ARE 5.0 Programming & Analysis (PA) Division! To become a licensed architect, you need to have a proper combination of education and/or experience, meet your Board of Architecture's special requirements, and pass the ARE exams. This book provides an ARE 5.0 exam overview, suggested reference and resource links, exam prep and exam taking techniques, tips and guides, and critical content for the ARE 5.0 Programming & Analysis (PA) Division. More specifically this book covers the following subjects: · ARE 5.0, AXP, and education requirements · ARE 5.0 exam content, format, and prep strategies · ARE 5.0 credit model and the easiest way to pass ARE exams · Allocation of your time and scheduling · Timing of review: the 3016 rule; memorization methods, tips, suggestions, and mnemonics · Environmental & contextual conditions · Codes & regulations · Site analysis & programming · Building analysis & programming This book will help you pass the PA division of the ARE 5.0 and become a licensed architect! Can you study and pass the ARE 5.0 Programming & Analysis (PA) exam in 2 weeks? The answer is yes: If you study the right materials, you can pass with 2 weeks of prep. If you study our book, "Programming & Analysis (PA) ARE 5.0 Exam Guide (Architect Registration Examination)" & "Programming & Analysis (PA) ARE 5.0 Mock Exam (Architect Registration Examination)," you have an excellent chance of studying and passing the ARE 5.0 Programming & Analysis (PA) division in 2 weeks. We have added many tips and tricks that WILL help you pass the exam on your first try. Our goal is to take a very complicated subject and make it simple. "Programming & Analysis (PA) ARE 5.0 Exam Guide (Architect Registration Examination)" & "Programming & Analysis (PA) ARE 5.0 Mock Exam (Architect Registration Examination)" will save you time and money and help you pass the exam on the first try! ArchiteG®, Green Associate Exam Guide®, and GreenExamEducation® are registered trademarks owned by Gang Chen. ARE®, Architect Registration Examination® are registered trademarks owned by NCARB.

The bestselling, widely heralded, Jungian introduction to the psychological foundation of a mature, authentic, and revitalized masculinity. Redefining age-old concepts of masculinity, Jungian analysts Robert Moore and Douglas Gillette make the argument that mature masculinity is not abusive or domineering, but generative, creative, and empowering of the self and others. Moore and Gillette clearly define the four mature male archetypes that stand out through myth and literature across history: the king (the energy of just and creative ordering), the warrior (the energy of aggressive but nonviolent action), the magician (the energy of initiation and transformation), and the lover (the energy that connects one to others and the world), as well as the four immature patterns that interfere with masculine potential (divine child, oedipal child, trickster and hero). King, Warrior, Magician, Lover is an exploratory journey that will help men and women reimagine and deepen their understanding of the masculine psyche.

An "anatomical" study of building systems integration with guidelines for practical applications Through a systems approach to buildings, Integrated Buildings: The Systems Basis of Architecture details the practice of integration to bridge the gap between the design intentions and technical demands of building projects. Analytic methods are introduced that illustrate the value, benefit, and application of systems integration, as well as guidelines for selecting technical systems in the conceptual, schematic, and design development stages of projects. Landmark structures such as Eero Saarinen's John Deere Headquarters, Renzo Piano's Kansai International Airport, Glenn Murcutt's Magney House, and Richard Rogers's Lloyd's of London headquarters are presented as part of an extensive collection of case studies organized into seven categories: Laboratories Offices Pavilions Green Architecture High Tech Architecture Airport Terminals Residential Architecture Advanced material is provided on methods of integration, including an overview of integration topics, the systems basis of architecture, and the integration potential of various building systems. An expanded case study of Ibsen Nelsen's design for the Pacific Museum of Flight is used to demonstrate case study methods for tracing integration through any work of architecture. Visually enhanced with more than 300 illustrations, diagrams, and photographs, Integrated Buildings: The Systems Basis of Architecture is a valuable reference guide for architecture and civil engineering students, as well as architects, engineers, and other professionals in the construction industry.

Along with plan and elevation, section is one of the essential representational techniques of architectural design; among architects and educators, debates about a project's section are common and often intense. Until now, however, there has been no framework to describe or evaluate it. Manual of Section fills this void. Paul Lewis, Marc Tsurumaki, and David J. Lewis have developed seven categories of section, revealed in structures ranging from simple one-story buildings to complex structures featuring stacked forms, fantastical shapes, internal holes, inclines, sheared planes, nested forms, or combinations thereof. To illustrate these categories, the authors construct sixty-three intricately detailed cross-section perspective drawings of built projects—many of the most significant structures in international architecture from the last one hundred years—based on extensive archival research. Manual of Section also includes smart and accessible essays on the history and uses of section.

Understanding StructuresMcGraw-Hill Science, Engineering & Mathematics

NEW YORK TIMES BESTSELLER • "A fascinating look at how consumers perceive logos, ads, commercials, brands, and products."—Time How much do we know about why we buy? What truly influences our decisions in today's message-cluttered world? In Buyology, Martin Lindstrom presents the astonishing findings from his groundbreaking three-year, seven-million-dollar neuromarketing study—a cutting-edge experiment that peered inside the brains of 2,000 volunteers from all around the world as they encountered various ads, logos, commercials, brands, and products. His startling results shatter much of what we have long believed about what captures our interest—and drives us to buy. Among the questions he explores: • Does sex actually sell? • Does subliminal advertising still surround us? • Can "cool" brands trigger our mating instincts? • Can our other senses—smell, touch, and sound—be aroused when we see a product? Buyology is a fascinating and shocking journey into the mind of today's consumer that will captivate anyone who's been seduced—or turned off—by marketers' relentless attempts to win our loyalty, our money, and our minds.

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NOTE: NO FURTHER DISCOUNT FOR THIS PRINT PRODUCT -OVERSTOCK SALE -Significantly reduced list price What is needed now is a discussion of how intelligence can be adjusted to deal with its traditional issues as well as new and evolving ones. This book begins that discussion by challenging the standard view of how intelligence professionals do their work. First, as will become clear, intelligence professionals ought not be characterized as analysts. The term is imprecise and inaccurate. If real improvement in intelligence practice is to occur, precision and accuracy in terminology, and thereby in how we think about what we do, are essential first steps. Intelligence issues are not the same as the issues framed separately by policymakers. To partner successfully with policymakers, intelligence professionals must consider issues from multiple perspectives. This is the role of sensemaking. Yes, the sensemaking process includes analysis or attacking issues by taking them apart. Furthermore, the author, along with collaborators in chapters 5 and 7, demonstrate how sensemaking can be accomplished as a collaborative enterprise. Other related items: Critical Thinking and Intelligence Analysis is available here: https: //bookstore.gpo.gov/products/sku/008-020-01589-0 United States Congressional Serial Set, Serial No. 14876, Senate Report No. 301, U.S. Intelligence Community\'s Prewar Intelligence Assessments on Iraq, Report of Select Committee on Intelligence is available here: https: //bookstore.gpo.gov/products/sku/552-108-00074-4 Crafting an Intelligence Community: Papers of the First Four DCIs (Book and DVD) is available here: https: //bookstore.gpo.gov/products/sku/041-015-00298-8 Interrogation: World War II, Vietnam, and Iraq is available here: https: //bookstore.gpo.gov/products/sku/008-000-01017-0 Who Watches the Watchmen?: The Conflict between National Security and Freedom of the Press is available here: https: //bookstore.gpo.gov/products/sku/008-020-01606-3 The FBI Story 2015 is available here: https: //bookstore.gpo.gov/products/sku/027-001-00102-1"

A Practical Guide & Mock Exam for the ARE 5.0 Project Planning & Design (PPD) Division! NCARB launched ARE 5.0 on November 1, 2016. We always incorporate the latest information into our books. To become a licensed architect, you need to have a proper combination of education and/or experience, meet your Board of Architecture's special requirements, and pass the ARE exams. This book provides an ARE 5.0 exam overview, suggested reference and resource links, exam prep and exam taking techniques, tips and guides, and a realistic and complete mock exam with solutions and explanations for the ARE 5 Project Planning & Design (PPD) Division. More specifically this book covers the following subjects: · ARE 5.0, AXP, and education requirements · ARE 5.0 exam content, format, and prep strategies · ARE 5.0 credit model and the easiest way to pass ARE exams by taking only 5 ARE divisions · Allocation of your time and scheduling · Timing of review: the 3016 rule; memorization methods, tips, suggestions, and mnemonics · Environmental conditions & context · Codes & regulations · Building systems, materials, & assemblies · Project integration of program & systems · Project costs & budgeting This book includes 120 challenging questions of the same difficulty level and format as the real exam (multiple-choice, check-all-that-apply, fill-in-the-blank, hot spots, case studies, and drag-and-place), including a case study. It will help you pass the PPD division of the ARE 5 and become a licensed architect! Can you study and pass the ARE 5.0 Project Planning & Design (PPD) Exam in 2 weeks? The answer is yes: IF you study the right materials, you can pass with 2 weeks of prep. If you study our book, "Project Planning & Design (PPD) ARE 5.0 Mock Exam," you have an excellent chance of studying and passing the ARE 5.0 Project Planning & Design (PPD) Exam in 2 weeks. We have added many tips and tricks that WILL help you pass the exam on your first try. Our goal is to take a very complicated subject and make it simple. "Project Planning & Design (PPD) ARE 5.0 Mock Exam" will save you time and money and help you pass the exam on the first try! ArchiteG®, ARE Mock Exam®, Green Associate Exam Guide®, GA Study®, and GreenExamEducation® are registered trademarks owned by Gang Chen. ARE®, Architect Registration Examination® are registered trademarks owned by NCARB.

Eternity, time without end, infinity, space without limits and virtuality, perception without constraints; provide the conceptual framework in which ACADIA 2000 is conceived. It is in human nature to fill what is empty and to empty what is full. Today, thanks to the power of computer processing we can also make small what is too big, make big what is too small, make fast what is too slow, make slow what is too fast, make real what does not exist, and make our reality omni-present at global scale. These are capabilities for which we have no precedents. What we make of them is our privilege and responsibility.

This conceptual introduction to architectural structures covers all the basic structural principles and terms, explains how to use statistics of equilibrium formulae to calculate beam reactions, and employs illustrations and multi-exposure model photographs to provide a compelling overall guide to structural behavior. Also distinguishing this guide from many others on the market are its case studies and useful preliminary sizing data.

In "Ideas and Integrities" Buckminster Fuller describes the revolutionary designs and concepts he has pioneered – among them the geodesic dome, the Dymaxion world map, the Dymaxion 4-D house, the Dymaxion 4-D automobile, and the countless other structures and creations that have changed the face of America and the world. And he sets forth his amazing and challenging ideas for the world of the future – ideas that would revolutionize everything from university education to bathroom design, ideas that, above all, demonstrate how we can and must make far more imaginative and efficient use of the resources now available to us to ensure a better standard of living for all men. Description by Lars Muller Publishers, courtesy of The Estate of Buckminster Fuller

The publication of the King James version of the Bible, translated between 1603 and 1611, coincided with an extraordinary flowering of English literature and is universally acknowledged as the greatest influence on English-language literature in history. Now, world-class literary writers introduce the book of the King James Bible in a series of beautifully designed, small-format volumes. The introducers' passionate, provocative, and personal engagements with the spirituality and the language of the text make the Bible come alive as a stunning work of literature and remind us of its overwhelming contemporary relevance.

A text/reference for Architect and Architectural Engineering students taking a course on Energy Methods. Includes passive solar heating and cooling, day-lighting, etc.

An illustrated guide to the monumental and non-monumental final resting places of famous architects from Aalto Alvar to Frank Lloyd Wright. All working architects leave behind a string of monuments to themselves in the form of buildings they have designed. But what about the final spaces that architects themselves will occupy? Are architects' gravesites more monumental—more architectural—than others? This unique book provides an illustrated guide to more than 200 gravesites of famous architects, almost all of them in the United States. Led by our intrepid author, Henry Kuehn, we find that most graves of architects are not monumental but rather modest, that many architects did not design their final resting places, and that a surprising number had their ashes scattered. Architects' Gravesites offers an alphabetical listing, from Alvar Aalto and Dankmar Adler (Louis Sullivan's partner) to Frank Lloyd Wright and Minoru Yamasaki (designer of the Word Trade Center's twin towers). Each entry includes a brief note on the architect's career and a color photograph of the site. For example, Ludwig Mies van der Rohe is buried in Chicago under a simple granite slab designed by his architect grandson; Louise Bethune, the first American woman to become a professional architect, is buried under a headstone inscribed only with her husband's name (a plaque honoring her achievements was installed later); Philip Johnson's ashes were spread in his rose garden, with no marker, across the street from his famous Glass House; and the grave of Pierre L'Enfant in Arlington National Cemetery offers a breathtaking view of Washington, D.C., the city he designed. Architects' Gravesites is an architectural guide like no other, revealing as much about mortality as about monumentality.

Newly revised and updated, A Textbook of Neuroanatomy, Second Edition is a concise text designed to help students easily master the anatomy and basic physiology of the nervous system. Accessible and clear, the book highlights interrelationships between systems, structures, and the rest of the body as the chapters move through the various regions of the brain. Building on the solid foundation of the first edition, A Textbook of Neuroanatomy now includes two new chapters on the brainstem and reflexes, as well as dozens of new micrographs illustrating key structures. Throughout the book the clinical relevance of the material is emphasized through clinical cases, questions, and follow-up discussions in each chapter, motivating students to learn the information. A companion website is also available, featuring study aids and artwork from the book as PowerPoint slides. A Textbook of Neuroanatomy, Second Edition is an invaluable resource for students of general, clinical and behavioral neuroscience and neuroanatomy.

A Practical Exam Guide for the ARE 5.0 Construction & Evaluation (CE) Division! To become a licensed architect, you need to have a proper combination of education and/or experience, meet your Board of Architecture's special requirements, and pass the ARE exams. This book provides an ARE 5.0 exam overview, suggested reference and resource links, exam prep and exam taking techniques, tips and guides, and critical content for the ARE 5.0 Construction & Evaluation (CE) Division. More specifically this book covers the following subjects: · ARE 5.0, AXP, and education requirements · ARE 5.0 exam content, format, and prep strategies · ARE 5.0 credit model and the easiest way to pass ARE exams · Allocation of your time and scheduling · Timing of review: the 3016 rule; memorization methods, tips, suggestions, and mnemonics · Preconstruction Activities · Construction Observation · Administrative Procedures & Protocols · Project Closeout & Evaluation This book will help you pass the CE division of the ARE 5.0 and become a licensed architect! Can you study and pass the ARE 5.0 Construction & Evaluation (CE) in 2 weeks? The answer is yes: If you study the right materials, you can pass with 2 weeks of prep. If you study our book, "Construction and Evaluation (CE) ARE 5 Exam Guide (Architect Registration Exam)," and "Construction & Evaluation (CE) ARE 5.0 Mock Exam," you have an excellent chance of studying and passing the ARE 5.0 Construction & Evaluation (CE) in 2 weeks. We have added many tips and tricks that WILL help you pass the exam on your first try. Our goal is to take a very complicated subject and make it simple. "Construction and Evaluation (CE) ARE 5 Exam Guide (Architect Registration Exam)," and "Construction & Evaluation (CE) ARE 5.0 Mock Exam," will save you time and money and help you pass the exam on the first try! ArchiteG®, Green Associate Exam Guide®, GA Study®, and GreenExamEducation® are registered trademarks owned by Gang Chen. ARE®, Architect Registration Examination® are registered trademarks owned by NCARB. About the author Gang Chen holds a master's degree from the School of Architecture, University of Southern California (USC), Los Angeles, and a bachelor's degree from the School of Architecture, South China University of Technology. He has more than 20 years of professional experience. Many of the projects he was in charge of or participated in have been published extensively in Architecture, Architectural Record, The Los Angeles Times, The Orange County Register, and more. He has worked on a variety of unusual projects, including well-known, large-scale healthcare and hospitality projects with over one billion dollars in construction costs, award-winning school designs, highly-acclaimed urban design and streetscape projects, multifamily housing, high-end custom homes, and regional and neighborhood shopping centers. Gang Chen is a LEED AP BD+C and a licensed architect in California. He is also the internationally acclaimed author of other fascinating books, including Building Construction, Planting Design Illustrated, the ARE Exam Guide series, the ARE Mock Exam series, the LEED Mock Exam series, and the LEED Exam Guides series, which includes one guidebook for each of the LEED exams. For more information, visit www.GreenExamEducation.com

Structures by Design: Thinking, Making, Breaking is a new type of structures textbook for architects who prefer to learn using the hands-on, creative problem-solving techniques typically found in a design studio. Instead of presenting structures as abstract concepts defined by formulas and diagrams, this book uses a project-based approach to demonstrate how a range of efficient, effective, and expressive architectural solutions can be generated, tested, and revised. Each section of the book is focused on a particular manner by which structural resistance is provided: Form (Arches and Cables), Sections (Beams, Slabs, and Columns), Vectors (Trusses and Space Frames), Surfaces (Shells and Plates), and Frames (Connections and High-Rises). The design exercises featured in each chapter use the Think, Make, Break method of reiterative design to develop and evaluate different structural options. A variety of structural design tools will be used, including the human body, physical models, historical precedents, static diagrams, traditional formulae, and advanced digital analysis. The book can be incorporated into various course curricula and studio exercises because of the flexibility of the format and range of expertise required for these explorations. More than 500 original illustrations and photos provide example solutions and inspiration for further design exploration.

A new paperback overview of how digital design and fabrication techniques offer ground-breaking possibilities for prototyping in architecture.

Here is a book as joyous and painful, as mysterious and memorable, as childhood itself. I Know Why the Caged Bird Sings captures the longing of lonely children, the brute insult of bigotry, and the wonder of words that can make the world right. Maya Angelou's debut memoir is a modern American classic beloved worldwide. Sent by their mother to live with their devout, self-sufficient grandmother in a small Southern town, Maya and her brother, Bailey, endure the ache of abandonment and the prejudice of the local "powhitetrash." At eight years old and back at her mother's side in St. Louis, Maya is attacked by a man many times her age—and has to live with the consequences for a lifetime. Years later, in San Francisco, Maya learns that love for herself, the kindness of others, her own strong spirit, and the ideas of great authors ("I met and fell in love with William Shakespeare") will allow her to be free instead of imprisoned. Poetic and powerful, I Know Why the Caged Bird Sings will touch hearts and change minds for as long as people read. "I Know Why the Caged Bird Sings liberates the reader into life simply because Maya Angelou confronts her own life with such a moving wonder, such a luminous dignity."—James Baldwin From the Paperback edition.

This book describes the construction and the properties of CW-complexes. These spaces are important because firstly they are the correct framework for homotopy theory, and secondly most spaces that arise in pure mathematics are of this type. The authors discuss the foundations and also developments, for example, the theory of finite CW-complexes, CW-complexes in relation

to the theory of fibrations, and Milnor's work on spaces of the type of CW-complexes. They establish very clearly the relationship between CW-complexes and the theory of simplicial complexes, which is developed in great detail. Exercises are provided throughout the book; some are straightforward, others extend the text in a non-trivial way. For the latter; further reference is given for their solution. Each chapter ends with a section sketching the historical development. An appendix gives basic results from topology, homology and homotopy theory. These features will aid graduate students, who can use the work as a course text. As a contemporary reference work it will be essential reading for the more specialized workers in algebraic topology and homotopy theory.

This fascinating sourcebook presents the most remarkable, beautiful, and innovative building façades in contemporary architecture. A building's façade sets the aesthetic tone for its entire design while serving a variety of functions, from regulating light and protecting against the elements to providing insulation for temperature and sound. This absorbing book details hundreds of examples of interesting and progressive façades from around the world. Presented in colorful double-page spreads, each façade is photographed from different angles and includes engaging texts that describe their significance. Readers can learn how traditional mashrabiyas in Abu Dhabi are being engineered to respond to light and to regulate heat, how a hospital in Mexico City has been constructed with "smog-eating" tiles, and how a "bio-adaptive" façade in Germany uses algae to generate energy and provide shade. Informative and accessible, this compendium is a highly useful resource for architects, engineers, and designers.

A Practical Guide & Mock Exam for the ARE 5.0 Programming & Analysis (PA) Division! NCARB launched ARE 5.0 on November 1, 2016. We always incorporate the latest information into our books. To become a licensed architect, you need to have a proper combination of education and/or experience, meet your Board of Architecture's special requirements, and pass the ARE exams. This book provides an ARE 5.0 exam overview, suggested reference and resource links, exam prep and exam taking techniques, tips and guides, and a realistic and complete mock exam with solutions and explanations for the ARE 5 Programming & Analysis (PA) Division. More specifically this book covers the following subjects: · ARE 5.0, AXP, and education requirements · ARE 5.0 exam content, format, and prep strategies · ARE 5.0 credit model and the easiest way to pass ARE exams by taking only 5 ARE divisions · Allocation of your time and scheduling · Timing of review: the 3016 rule; memorization methods, tips, suggestions, and mnemonics · Environmental & Contextual Conditions · Codes & Regulations · Site Analysis & Programming · Building Analysis & Programming This book includes 95 challenging questions of the same difficulty level and format as the real exam (multiple-choice, check-all-that-apply, fill-in-the-blank, hot spots, and drag-and-place), including a case study. It will help you pass the PA division of the ARE 5.0 and become a licensed architect! Can you study and pass the ARE 5.0 Programming & Analysis (PA) exam in 2 weeks? The answer is yes: If you study the right materials, you can pass with 2 weeks of prep. If you study our book, "Programming & Analysis (PA) ARE 5.0 Mock Exam (Architect Registration Exam)," you have an excellent chance of studying and passing the ARE 5.0 Programming & Analysis (PA) division in 2 weeks. We have added many tips and tricks that WILL help you pass the exam on your first try. Our goal is to take a very complicated subject and make it simple. " Programming & Analysis (PA) ARE 5.0 Mock Exam (Architect Registration Exam)" will save you time and money and help you pass the exam on the first try! ArchiteG®, Green Associate Exam Guide®, GA Study®, and GreenExamEducation® are registered trademarks owned by Gang Chen. ARE®, Architect Registration Examination® are registered trademarks owned by NCARB.

State structures, international forces, and class relations: Theda Skocpol shows how all three combine to explain the origins and accomplishments of social-revolutionary transformations. Social revolutions have been rare but undeniably of enormous importance in modern world history. States and Social Revolutions provides a new frame of reference for analyzing the causes, the conflicts, and the outcomes of such revolutions. It develops a rigorous, comparative historical analysis of three major cases: the French Revolution of 1787 through the early 1800s, the Russian Revolution of 1917 through the 1930s, and the Chinese Revolution of 1911 through the 1960s. Believing that existing theories of revolution, both Marxist and non-Marxist, are inadequate to explain the actual historical patterns of revolutions, Skocpol urges us to adopt fresh perspectives. Above all, she maintains that states conceived as administrative and coercive organizations potentially autonomous from class controls and interests must be made central to explanations of revolutions.

In Mechanics and Meaning in Architecture, Lance LaVine shows that in architecture, as practiced and taught today, the technological aspect of the profession -- how weight is distributed, how heat flow is regulated, and how light is permitted to enter -- has been ceded to engineers and other technical specialists. And in doing so, he argues, architects have lost sight of one of architecture's most important purposes, that of providing a literal and figurative window onto the world. As a technology of habitation, architecture should give people both a practical and a metaphorical understanding of their relationship with nature. For LaVine, this knowledge emanates from a sensual understanding of the natural world as a "felt force". At its most basic level, architecture demands an understanding of and response to the natural forces of gravity, climate, and sunlight. At the center of Mechanics and Meaning in Architecture are case studies of four very different houses: a Finnish log farmhouse from the nineteenth century; Charles Moore's house in Orinda, California; Tadao Ando's Wall House in Japan; and Le Corbusier's Villa Savoye near Paris. Through his imaginative readings of structures, LaVine highlights how the architects involved have used the oldest and most fundamental architectural technologies -- walls, floors, ceilings, columns, beams, and windows -- in ways that offer creative responses to the natural world and humanity's place in it. Clearly, architects are comfortable with the practical and aesthetic components of their profession. With this book, Lance LaVine encourages them also to understand what makes their use of technology unique and essential, and to reclaim the naturalworld for meaningful interpretation in their design of buildings.

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