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Voices of a People's History of the United States

Adapt Builder Getting Start

SHAYLEE CROSS

Structural Concrete CADCIM Technologies
Billed in early issues as "a practical journal of industrial progress", this monthly covers a broad range of topics in engineering, manufacturing, mechanics, architecture, building, etc. Later issues say it is "devoted to the advancement and diffusion of practical knowledge."
Artificial Neural Network-based Designs of Prestressed Concrete and Composite Structures CRC Press
This book gathers the proceedings of the 1st Global Civil Engineering Conference, GCEC 2017, held in Kuala Lumpur, Malaysia, on July 25–28, 2017. It highlights how state-of-the-art techniques and tools in various disciplines of Civil Engineering are being applied to solve real-world problems. The book presents interdisciplinary research, experimental and/or theoretical studies yielding new insights that will advance civil engineering methods. The scope of the book spans the following areas: Structural, Water Resources, Geotechnical, Construction, Transportation Engineering and Geospatial Engineering applications.
Racing Engine Builder's HandbookHP1492 Greenshoot Investments Pty
Ocean harvests have plateaued worldwide and many important commercial stocks have been depleted. This has caused great concern among scientists, fishery managers, the fishing community, and the public. This book evaluates the major models used for estimating the size and structure of marine fish populations (stock assessments) and changes in populations over time. It demonstrates how problems that may occur in fisheries dataâ€"for example underreporting or changes in the likelihood that fish can be caught with a given type of gearâ€"can seriously degrade the quality of stock assessments. The volume makes recommendations for means to improve stock assessments and their use in fishery management.
How to Start a Home-Based Landscaping Business Springer Science & Business Media
All of the information in this valuable companion guide is presented in terms easy to understand. Packed with general tips, techniques, and procedures that can be applied to all types of engine building, whether for musclecars, classics, hot rods, powerboats or all-out race cars. Sections covered include: · Blueprinting · Machining · Reconditioning short blocks · Degreeing camshafts · Reconditioning cylinder heads · Vavetrain assembly · Measuring tools · Engine assembly
The Car Builder's Handbook John Wiley & Sons
A revelatory study of how climate change will affect individual economic decisions, and the broad impact of those choices Selected by Publishers Weekly as one of its Top Ten books in Business and Economics for Spring 2021 It is all but certain that the next century will be hotter than any we've experienced before. Even if we get serious about fighting climate change, it's clear that we will need to adapt to the changes already underway in our environment. This book considers how individual economic choices in response to climate change will transform the larger economy. Using the tools of microeconomics, Matthew E. Kahn explores how decisions about where we live, how our food is grown, and where new business ventures choose to locate are impacted by climate change. Kahn suggests new ways that big data can be deployed to ease energy or water shortages to aid agricultural operations and proposes informed policy changes related to public infrastructure, disaster relief, and real estate to nudge land use, transportation options, and business development in the right direction.
Post-Tensioning in Building Construction Penguin
The fib Awards for Outstanding Concrete Structures are attributed every four years at the fib Congress, with the goal of enhancing the international recognition of concrete structures that demonstrate the versatility of concrete as a structural medium. The award consists of a bronze plaque to be displayed on the structure, and certificates presented to the main parties responsible for the work. Applications are invited by the fib secretariat via the National Member Groups. Information on the competition is also made available on the fib’s website, and in the newsletter fib-news published in Structural Concrete. The submitted structures must have been completed during the four years prior to the year of the Congress at which the awards are attributed. The jury may accept an older structure, completed one or two years before, provided that it was not already submitted for the previous award attribution (Mumbai, 2014). The submitted structures must also have the support of an fib Head of Delegation or National Member Group Secretary in order to confirm the authenticity of the indicated authors. Entries consist of the completed entry form, three to five representative photos of the whole structure and/or any important details or plans, and short summary texts explaining: - the history of the project; - description of the structure; - particularities of its realisation (difficulties encountered, special solutions found, etc.). A jury designated by the Presidium selects the winners. The awards are attributed in two categories, Civil Engineering Structures (including bridges) and Buildings. Two or three ‘Winners’ and two to four ‘Special Mention’ recipients are selected in each category, depending on the number of entries received. The jury takes into account criteria such as: - design aspects, including aesthetics and design detailing; - construction practice and quality of work; - environmental aspects of the design and its construction; - durability and sustainability aspects; - significance of the contribution made by the entry to the development and improvement of concrete construction. The decisions of the jury are definitive and cannot be challenged. They are unveiled at a special ceremony during the fib Congress in Melbourne.
Exploring Autodesk Revit 2021 for Structure, 11th Edition Penguin
Here in their own words are Frederick Douglass, George Jackson, Chief Joseph, Martin Luther King Jr., Plough Jogger, Sacco and Vanzetti, Patti Smith, Bruce Springsteen, Mark Twain, and Malcolm X, to name just a few of the hundreds of voices that appear in Voices of a People's History of the United States, edited by Howard Zinn and Anthony Arnove. Paralleling the twenty-four chapters of Zinn's A People's History of the United States, Voices of a People’s History is the long-awaited companion volume to the national bestseller. For Voices, Zinn and Arnove have selected testimonies to living history—speeches, letters, poems, songs—left by the people who make history happen but who

usually are left out of history books—women, workers, nonwhites. Zinn has written short introductions to the texts, which range in length from letters or poems of less than a page to entire speeches and essays that run several pages. Voices of a People's History is a symphony of our nation's original voices, rich in ideas and actions, the embodiment of the power of civil disobedience and dissent wherein lies our nation's true spirit of defiance and resilience.

American Builder Rowman & Littlefield

Learn how to define user interfaces for your iOS applications using the visual tools provided by Xcode. After reading this guide, you will know how to start a new project, how to structure an application, how to generate the user interface and adapt it to different screens, how to work with view controllers, how to connect the interface with your code, and how to define and modify constraints from code. Table of Contents INTERFACE BUILDER The Interface Storyboard Object Library Guide Lines Properties Connections Outlets Connections in the Storyboard Actions Outlet Collections ADAPTIVITY Adapting the Interface Auto Layout Constraints Assigning Constraints Editing Constraints Safe Area Standard Values Resolving Auto Layout Issues Intrinsic Content Size Multiple Views Constraints Relations and Priorities Stack Views Document Outline Panel Constraint Objects Updating Frames Size Classes Adapting Properties Adapting Constraints Adapting Elements Trait Collection Objects Orientation QUICK REFERENCE Constraints UIStackView NSLayoutConstraint UIView NSLayoutXAxisAnchor, NSLayoutYAxisAnchor, and NSLayoutDimension UITraitCollection UITraitEnvironment UIContentContainer UIViewController This guide assumes that you have a basic knowledge of app development and the Swift language. If you don't know how to program in Swift or the requirements for app development, download our guides Introduction to Swift and App Development. For a complete course on app development for iOS, read our book iOS Apps for Masterminds. This guide is a collection of excerpts from the book iOS Apps for Masterminds. The information included in this guide will help you understand a particular aspect of app development in iOS, but it will not teach you everything you need to know to develop an app for Apple devices. If you need a complete course on app development for iOS, read our book iOS Apps for Masterminds. For more information, visit our website at www.formasterminds.com.

Borland C++ Builder 6 Developer's Guide National Academies Press

Absolutely no experience needed! Learn robot building from the ground up, hands-on, in full color! Love robots? Start building them. It's way easier than you ever imagined! John Baichtal has helped thousands of people get started with robotics. He knows what beginners need to know. He knows your questions. He knows where you might need extra help. Now, he's brought together this practical knowledge in one incredibly easy tutorial. Hundreds of full-color photos guide you through every step, every skill. You'll start simple, as you build a working robot in the very first chapter. Then, you'll grow your skills to expert-level: powering motors, configuring sensors, constructing a chassis, even programming low-cost Arduino microcontrollers. You'll learn hands-on, through real step-by-step projects...and go straight to the cutting-edge with in-depth sidebars. Wondering just how much you can really do? Baichtal shows you 30 incredible robots built by people just like you! John Baichtal's books about toys, tools, robots, and hobby electronics include Hack This: 24 Incredible Hackerspace Projects from the DIY Movement; Basic Robot Building With Lego Mindstorms NXT 2.0; Arduino for Beginners; MAKE: Lego and Arduino Projects for MAKE (as coauthor); and the forthcoming Building Your Own Drones: The Beginner's Guide to UAVs and ROVs. A founding member of the pioneering Twin Cities Maker hackerspace, he got his start writing for Wired's legendary GeekDad blog, and for DIYer bible MAKE Magazine. Make your robots move with motors and wheels Build solar-powered robots that work without batteries Control robots via Wi-Fi, radio, or even across the Internet Program robots to respond to sensor inputs Use your standard TV remote to control your robots Create robots that detect intruders and shoot them with Nerf® darts Grab and carry objects using claws and grippers Build water-borne robots that float, submerge, and "swim" Create "artbots" that paint or draw original artworks Enable your robots to send text messages when they take specific actions Discover today's new generation of hobbyist-friendly robotics kits Organize your ultimate robot-builder's toolbox Master simple safety routines that protect you whatever you're building

Oracle Visual Builder Cloud Service Revealed J.D Gauchat

This volume tells 16 remarkable storiesâ€"first person accounts of how information and communication technologies have been successfully introduced into institutions for the benefit of scientists and engineers in sub-Saharan Africa. These case studies focus on the lessons learned in designing and implementing projects dealing with scientific and technological information and examine the impact.

Bridge Builders Penguin

This book introduces artificial neural network (ANN)-based Lagrange optimization techniques for a structural design of prestressed concrete structures based on Eurocode 2, and composite structures based on American Institute of Steel Construction and American Concrete Institute standards. The book provides robust design charts for prestressed concrete structures, which are challenging to achieve using conventional design methods. Using ANN-based design charts, the holistic design of a post-tensioned beam is performed to optimize design targets (objective functions), while calculating 21 forward outputs, in arbitrary sequences, from 21 forward inputs. • Applies the powerful tools of ANN to the optimization of prestressed concrete structures and composite structures including columns and beams • Multi-objective optimizations (MOO) of prestressed concrete beams are performed using an ANN-based Lagrange algorithm • Offers a Pareto frontier using an ANN-based MOO for composite beams and composite columns sustaining multi-biaxial loads • Heavily illustrated in color and with diverse practical design examples in line with EC2, ACI, and ASTM codes The book offers optimal solutions for structural designers and researchers, enabling readers to construct design charts to minimize their own design targets under various design requirements based on any design code.

Building Information Modeling Que Publishing

Build and deploy an attractive, user-friendly web or mobile application in one day or less using Oracle's new, low-code development tool: Visual Builder Cloud Service. Today's IT world is fast-paced, and the ability to rapidly deliver running code is the most crucial and sought-after skill a developer can have. Oracle has brought together their enterprise experience, advanced usability knowledge, and their best cloud engineering to produce an innovative platform giving developers unprecedented productivity. You will learn how to use all aspects of Oracle Visual Builder Cloud Service to build web or mobile applications. Using

the fully browser-based development environment, you'll gain experience with all the modern user-interface components that the tool offers for a visual, user-interface-driven, development approach. You'll also see how to use the integrated data management capabilities and existing REST data services to store your data, and learn how to easily transfer applications to a test/staging environment and later to production, while continuing to develop the next version in the development environment. What You'll LearnBuild great-looking web and mobile applications in a browser-based, visual design environment Define custom business logic in the visual logic editor or with JavaScript Manage multiple concurrent application versions from development through staging and production Define business objects with validation logic for application-specific data Communicate with, and draw data from, existing REST web services Use Visual Builder Cloud Service to expand Oracle SaaS solutions Who This Book Is For Developers at all expertise levels as well as business professionals and UX designers with an interest in using IT to quickly solve simple business problems. Because this tool is based on a modern low-code approach, no prior programming experience is necessary to benefit from the book.

2018 fib Awards for Outstanding Concrete Structures Sams Publishing

Based on the international workshop on 'Small Molecule - Protein Interactions' held in Berlin, April 24-26, 2002, researchers from industry and academic laboratories describe novel and efficient ways selecting promising new drug targets and developing small molecule inhibitors against them. The structure of the book corresponds to the different aspects of the drug discovery process. All chapters are written by leading experts in the field, who present and discuss the most recent state-of-the-art tools and techniques for the development of novel drugs. The value of the book lies in surveying and summarizing the approaches taken by different companies and institutions giving the reader a balanced view on the use of the latest techniques on the one hand and experience-based assistance in selecting appropriate tools for their own work on the other hand.

Small Molecule — Protein Interactions Apress

Presents a guide to constructing toys, miniature buildings, and art projects with LEGOs, covering topics such as scale, bonding patterns, model designs, grids, mosaics, games, tools, and techniques.

Engine Builder's Handbook HP1245 Yale University Press

We can find excellent leadership lessons in a lot of places. One of the most interesting and instructive would be the study of Nehemiah. He is one of the great leaders in the Bible and is one of the great leaders in all of history. In this project, we will explore leadership lessons gleaned from his own personal journal and focus on the first seven chapters of the book that bears his name. Additionally, I will reference quotes and other scripture to reinforce the lesson. I summarize each chapter with Nehemiah's "Master Builder Principles." Nehemiah was a master builder. He built a wall around Jerusalem in just fifty-two days, when others apparently could not. He built the Jews' confidence. He built progress. He built a strong and positive culture. He built relationships. He built his positive reputation. He built a phenomenal legacy. He built an example for all to emulate. I love the study of leadership, have been doing it for 33+ years, and expect to do it my whole life. Leadership fascinates me and the more I study it the more I validate how critical it is to teams, organizations, our nation, and our church. My life's purpose is to Positively Influence Lives. This is done primarily through leadership. My measure of success with this project is expose readers to God's Word, expose readers to some leadership lessons, and enable readers to build upon their leadership knowledge.

Interface Builder Springer

Provides tips and techniques for constructing the body, chassis, powertrain and drivertrain, and interior, and covers all aspects of planning a project

PC Magazine John Wiley & Sons

Making money doing lawn-care, landscape architecture, and garden work is a dream of many people—and this guide contains all the necessary tools and strategies they need to successfully launch and develop their own business doing so. This sixth edition also features advice on marketing and selling one's services within "sustainable landscaping," one of the hottest new trends in the field. * Develop a profitable business plan * Build word-of-mouth referrals * Handle employees, paperwork, and taxes * Work smart and safe * Adapt to new trends like sustainable landscaping * Become your area's top landscaper

GCEC 2017 CRC Press

Exploring Autodesk Revit 2018 for Structure is a comprehensive book that has been written to cater to the needs of the students and the professionals who are involved in the AEC profession. This book enables the users to harness the power of BIM with Autodesk Revit 2018 for Structure for their specific use. In this book, the author emphasizes on physical modeling, analytical modeling, rebar modeling, and quantity scheduling. Also, Revit 2018 for Structure book covers the description of various stages involved in analyzing the model in Robot Structural Analysis software. This book is specially meant for professionals and students in structural engineering, civil engineering, and allied fields in the building industry. In this book, along with the main text, the chapters have been punctuated with tips and notes to give additional information on the concept, thereby enabling you to create your own innovative project. Salient Features Detailed explanation of structural tools of Autodesk Revit Real-world structural projects given as tutorials Tips and Notes throughout the book 546 pages of heavily illustrated text Self-Evaluation Tests, Review Questions, and Exercises at the end of each chapter Table of Contents Chapter 1: Introduction to Autodesk Revit 2018 for Structure Chapter 2: Getting Started with a Structural Project Chapter 3: Setting up a Structural Project Chapter 4: Structural Columns and Walls Chapter 5: Foundations, Beams, Floors, and Open Web Joists Chapter 6: Editing Tools Chapter 7: Documenting Models and Creating Families Chapter 8: Standard Views, Details, and Schedules Chapter 9: 3D Views, Sheets, Analysis, Reinforcements Chapter 10: Linking Revit Model with Robot Structural Analysis Student Project Index

Carriage and Wagon Builder Seven Stories Press

The only comprehensive SketchUp guide written for builders and contractors SketchUp is a 3D modeling application used in areas ranging from civil and mechanical engineering to motion picture and video game design. Three-dimensional modeling is of obvious value to the building industry—yet resources for transforming architectural designs into reality is surprisingly limited. SketchUp for Builders is the first comprehensive guide designed specifically for builders and contractors, providing step-by-step instructions on incorporating 3D modeling into all phases of the construction process. Author John Brock draws from his 30 years of experience as a custom home designer and builder to provide practical advice on how to understand what you are building before it is

built. This valuable guide demonstrates how to eliminate cost overruns, construction delays, and design flaws by integrating SketchUp modeling into your workflow. Emphasizing real-world practicality, this book covers all of the essential components of modeling a 3D construction project, from SketchUp fundamentals and object basics to importing construction drawings and increasing project efficiency with extensions and plugins. All phases of construction are clearly explained, including foundations, walls and floor systems, roof and mechanical systems, and exterior and interior finishes. Supplies a constructability process for efficient and cost-effective build projects Offers step-by-step guidance for creating construction documents, renderings, animations, virtual reality tours, and more Integrates SketchUp into all stages of the construction process Provides access to resources such as web tutorials, blogs, and the online SketchUp community Demonstrates how to generate construction documents with accompanying Layout software SketchUp for Builders: A Comprehensive Guide for Creating 3D Building Models Using SketchUp in an indispensable source of information for contractors and builders, architects, interior designers, landscape architects, construction professionals, and anyone seeking to create 3D models of the design and construction process.

Exploring Autodesk Revit 2020 for Structure, 10th Edition Emerald Group Publishing

The leading structural concrete design reference for over two decades—updated to reflect the latest ACI 318-19 code A go-to resource for structural engineering students and professionals for over twenty years, this newly updated text on concrete structural design and analysis reflects the most recent ACI 318-19 code. It emphasizes student comprehension by presenting design methods alongside relevant codes and standards. It also offers numerous examples (presented using SI units and US-SI conversion factors) and practice problems to guide students through the analysis and design of each type of structural member. New to Structural Concrete: Theory and Design, Seventh Edition are code provisions for transverse reinforcement and shear in wide beams, hanger reinforcement, and bi-directional interaction of one-way shear. This edition also includes the latest information on two-way shear strength, ordinary walls, seismic loads, reinforcement detailing and analysis, and materials requirements. This book covers the historical background of structural concrete; advantages and disadvantages; codes and practice; and design philosophy and concepts. It then launches into a discussion of the properties of reinforced concrete, and continues with chapters on flexural analysis and design; deflection and control of cracking; development length of reinforcing bars; designing with the strut-and-tie method; one-way slabs; axially loaded columns; and more. Updated to align with the new ACI 318-19 code with new code provisions to include: transverse reinforcement and shear in wide beams, hanger reinforcement, bi-directional interaction of one-way shear, and reference to ACI certifications Includes dozens of worked examples that explain the analysis and design of structural members Offers updated information on two-way shear strength, seismic loads, materials requirements, and more Improves the design ability of students by explaining code requirements and restrictions Provides examples in SI units in every chapter as well as conversion factors from customary units to SI Offers instructors access to a solutions manual via the book's companion website Structural Concrete: Theory and Design, Seventh Edition is an excellent text for undergraduate and graduate students in civil and structural engineering programs. It will also benefit concrete designers, structural engineers, and civil engineers focused on structures.