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DOUGLAS FRANKLIN

Android Animations by Tutorials (First Edition) McGraw-Hill Europe

This book reviews concepts and recent advances of biotechnological approaches for livestock production. Indeed, biotechnologies have recently emerged as powerful tools for animal breeding, genetics, production, nutrition, and animal health. Applications to the production of livestock such as cattle, camel, and poultry are detailed. Chapters also present biotechnological applications for diagnostics, animal nutrition, and animal food production.

Industrial Applications of Batteries John Wiley & Sons

This report identifies and assesses the role that national law enforcement actors and public prosecutors in the EU member states play in helping prevent the proliferation of weapons of mass destruction (WMD) by stopping the illicit trade in dual-use items. In the 1980s and 1990s, some EU member states discovered cases of illegal trade in sensitive items for use in, for example, the Pakistani nuclear weapon programme. The report discusses how these cases were dealt with in these countries, using a case study model. Acknowledging that dual-use goods are subject to the free movement of goods within the EU, the report emphasizes the importance of coordinating customs and licensing standards among the EU member states to prevent abuse of the EU market for 'licence shopping'. It also presents the argument for the coordination of prosecution and penalties for offenders. In order to show the level of coordination that is required, the report provides an overview of both the international, EU and national legal frameworks for control of the export of dual-use goods.

Business Innovation with New ICT in the Asia-Pacific: Case Studies Bentley Publishers

This book clarifies the direction of business innovation using new ICT such as the Internet of things (IoT), artificial intelligence (AI), smartphones, and cloud computing through a series of case studies on successful trials and advanced businesses in the Asia-Pacific where many industry sectors have

been growing successfully in the 21st century. ICT has been playing an important role in value creation for customers and in profit generation for providers, contributing to various service innovation and business innovation. Now, digitalization using IoT and AI provides solutions to address various issues in the human society, which is transforming services and businesses in the 21st century. "What is the direction of the business innovation using new ICT?" is a highly concerned question for business researchers and practitioners. Aiming to answer the question, this book conducts a number of cases studies in the Asia-Pacific region, including the Mainland China, Taiwan, Japan, Malaysia, Vietnam, as well as Australia. Among the studies, there are 4 cases from ICT providers, 4 cases from traditional and services, and 6 cases from new ICT applications and businesses. Each case analyzes social needs and human desires, new value created, roles of new technologies, processes and difficulties in developing new businesses, the relationship among customers, providers, and stakeholders, value chain co-creation and optimization, factors of success, and business models. Finally, the direction of business innovation with new ICT in the Asia-Pacific is suggested by summarizing the findings from the case studies through the lens of the theoretical analysis in service science.

Autonomous Driving Changes the Future Springer Nature

This introduction to automatic control systems has been updated to reflect the increasing use of computer-aided learning and design. Aiming at a more accessible approach, this edition demonstrates the solution of complex problems with the aid of computer software; integrates several real world applications; provides a discussion of steady-state error analysis, including nonunity feedback systems; discusses circuit-realization of controller transfer functions; offers a treatment of Nyquist criterion on systems with nonminimum-phase transfer functions; explores time-domain and frequency domain designs side-by-side in one chapter; and adds a chapter on Design of Discrete-Data Control Systems.

Principles of Infrastructure National Historic Sites Parks Service Environment Canada

Electronic Literature as a Model of Creativity and Innovation in Practice maps electronic literature in Europe and is an essential read for scholars and students in the field. ELMCIP is a three-year (2013) collaborative research project funded by Humanities in the European Research Area (HERA) JRP for Creativity and Innovation. ELMCIP involved seven European partners investigating how creative communities of practitioners form within a

transnational and transcultural context in a globalized and distributed communication environment. Focusing on the electronic literature community in Europe as a model of networked creativity and innovation in practice, ELMCIP studies the formation and interactions of that community and furthers electronic literature research and practice in Europe. This book includes reflective reports by all of the principal investigators of the project. It details the development of a major digital humanities research database and the publication of the first trans-European anthology of electronic literature, and includes a report on electronic literature publishing venues across Europe and consideration of different forms of creative communities develop around genres of digital practice.

Business Driven Technology Springer

Learn How to Use Animations in Android! Over the years Android has provided many APIs for creating animations. An Android developer must create visually appealing and useable apps by incorporating a wide variety of these animation tools in the right places. *Android Animations by Tutorials* is here to help, by showing you the way to use simple and subtle view animations, animating transitions between activities and fragments, animating lists including gestures and scrolling, and even using animations in the new Jetpack Compose. Who This Book is For This book is for developers who know the fundamentals of Android and are familiar with the common Android SDK features, but would like to build beautiful user interface's with meaningful motion in the most crucial parts of their apps. Topics Covered in *Android Animations by Tutorials* View Animations Learn how to use *ValueAnimator* and *ObjectAnimator* to provide subtle yet meaningful cues to your users. Learn to animate custom views. XML Animations Explore how to use XML animations on views and also when transitioning between activities and fragments. Transition Animations Add cool animation effects when transitioning between activities and fragments with and without the navigation component. Shared Element Transitions Transition between a list item and a detail view while highlighting a shared element between the two screens to create an amazing user experience. List Animations Utilize *ItemAnimator* to animate the creation, reordering and removal of items in a list. Animate Gestures with Lists Animate drag and drop gestures when reordering a list, use item resetting to notify a user when they've swiped an item. Scrolling Animations Create amazing animation effects when the user scrolls views and lists in your app. Jetpack Compose Animations Take a look at how to use animations in the exciting new Jetpack Compose by responding to state changes. One thing you can count on: after reading this book, you'll be prepared to add meaningful motion to the most important parts of your own Android apps.

Damage Mechanisms and Life Assessment of High Temperature Components SAE International

What is acoustics? What is noise? How is sound measured? How can the vehicle noise be reduced using sound package treatments? Pranab Saha answers these and more in *Acoustical Materials*. Acoustics is the science of sound, including its generation, propagation, and effect. Although the propulsion sources of internal combustion engine (ICE) vehicles and electric motor-powered vehicles (EV) are different and therefore their propulsion noises are different, both types of vehicles have shared noise concerns: Tire and road noise Wind noise Vehicle noise and vibration issues have been there almost from the inception of vehicle manufacturing. The noise problem in a vehicle is very severe and is difficult to solve only by modifying the sources of noise and vibration. Sound package treatments address the noise and vibration issues along the path to reduce in-cabin noise. In *Acoustical Materials*, readers will grasp the science of reducing sound and vibration using sound absorbers, sound barriers, and vibration dampers. Sound provides information on the proper operation of the vehicle, but if unchecked, can detract from the consumer experience within the vehicle and create noise pollution outside the vehicle. *Acoustical Materials* provides essential information on the basics of sound, vehicle noise source, how these are measured, how vehicle owners perceive sound, and ultimately, how to solve noise problems in vehicles using sound package materials.

Automatic Control Systems Springer Nature

Over the past decade the Metal Unit of the Material Culture Section, Archaeology Research Division, Canadian Parks Service, has maintained a reference file identifying marks found on metal artifacts. This document is a selection of marks on file that relate primarily to tableware items, from the late 18th century to about 1900.

Advertising and Promotion SIPRI Research Reports

The application of multibeam and sediment transport measurement technologies and the adoption of multi-faceted research methodologies have greatly advanced our understanding of the sedimentary processes on continental shelves in the last decade. This book uniquely blends cutting-edge research and state-of-the art review articles that take stock of new advances in multibeam mapping and sediment transport technologies, spatial analysis and modelling, and the applications of these advances to the understanding of shelf sediments, morphodynamics, and sedimentary processes. Case studies are also presented to illustrate the utilization of seabed property and process knowledge in habitat mapping and ocean management With its mix of papers focusing on technological advances, integration of shelf morphology and processes, and the application of these advances to coastal and ocean management, this Special Publication volume will serve as a milestone reference for professional marine scientists and as advanced text for students in marine geology, sedimentology and oceanography. This book is part of the International Association of Sedimentologists (IAS) Special Publications. The Special Publications from the IAS are a set of thematic volumes edited by specialists on subjects of central interest to sedimentologists. Papers are reviewed and printed to the same high standards as those published in the journal *Sedimentology* and several of these volumes have become standard works of reference.

5G and Beyond ASM International

This book systematically discusses the development of autonomous driving, describing the related history, technological advances, infrastructure, social impacts, international competition, China's opportunities and challenges, and possible future scenarios. This popular science book uses straightforward language and includes quotes from ancient Chinese poems to enhance the reading experience. The discussions are supplemented by theoretical elaborations, presented in tables and figures. The book is intended for auto fans, upper undergraduate and graduate students in the field of automotive engineering.

Trademarks on Base-metal Tableware Elsevier

The world is facing many great challenges: from pandemics to climate change, and from increasing inequality to the issues surrounding digitalization. In a new and rapidly changing global landscape, Europe must look for solutions to these difficulties to follow up on its impressive decades-long

process of integration. Europe has the capacity to chart a progressive course in the world. Our European Future offers solutions to rethink our socioeconomic model in the glare of the environmental and digital transformations; to redefine Europe's role in the world to contribute to renewed multilateralism; to strengthen investment in public goods; and finally, to re-invent our democratic contract. The book brings together the insights of renowned experts from across Europe, and it should prove a handy guide for any progressive thinker, policymaker or activist, and for any citizen who would like to take part in the necessary democratic debate about our future. This book, edited by Maria João Rodrigues with the collaboration of François Balate, is a first contribution from the Foundation for European Progressives Studies to the Conference on the Future of Europe and beyond.

Diesel Fuel Injection SAGE

Transnational Corporations is a policy-oriented journal for the publication of research on the activities of transnational corporations and their implication for economic development. Articles accepted for publication in this issue report on the following research themes: international tax *SwiftUI by Tutorials (Fourth Edition)* Routledge

The aim of this book is to help identify the potential role that renewable energy sources (RES) can play in the future energy mix of the GCC countries; it looks closely at the major past and present renewable energy initiatives and policies, as well as industrial and research capabilities in the region, with a specific focus on solar and wind energy technologies. In doing so, this study examines the drivers and requirements for the deployment of these energy sources and their possible integration into sectors as different as electricity generation, water desalination or green building. Illustrated by a wealth of practical cases and studies, and aspiring to be used as a reference book, this study aims to help researchers comprehend the overall capabilities and achievements of the GCC countries in the renewable energy field, so that perspectives on the region's strategic energy issues are objective and sustainable models are encouraged. Even when topics beyond their fields are discussed, researchers from many diverse fields will find the style to be accessible, while information remains detailed and 'technical'. The book's multidisciplinary approach gives voice to all stakeholders without judgment or partisanship, leaving the reader free to form his or her own opinion about the challenges that are at stake, and decide the course of action that is required by the current situation.

Dictionary of Abbreviations in Medical Sciences Springer

Industrial Applications of Batteries looks at both the applications and the batteries and covers the relevant scientific and technological features.

Presenting large batteries for stationary applications, e.g. energy storage, and also batteries for hybrid vehicles or different tools. The important aerospace field is covered both in connection with satellites and space missions. Examples of applications include, telecommunications, uninterruptible power supplies, systems for safety/alarms, car accessories, toll collection, asset tracking systems, medical equipment, and oil drilling. The first chapter on applications deals with electric and hybrid vehicles. Four chapters are devoted to stationary applications, i.e. energy storage (from the electric grid or solar/wind energy), load levelling, telecommunications, uninterruptible power supplies, back-up for safety/alarms. Battery management by intelligent systems and prediction of battery life are dealt with in a dedicated chapter. The topic of used battery collection and recycling, with the description of specific treatments for the different systems, is also extensively treated in view of its environmental relevance. Finally, the world market of these batteries is presented, with detailed figures for the various applications.* Updated and full overview of the power sources for industries* Written by leading scientists in their fields * Well balanced in terms of scientific and technical information

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Learn & Master SwiftUI! Every developer wants to build the most fluid and engaging declarative UI for their apps with as little code as possible.

SwiftUI will help you do just that. Learn all the main concepts through an easy-to-follow tutorials where you'll build apps that teach you to create modern, responsive UI and animations that look great on iOS, iPadOS, watchOS, tvOS, and even macOS. Who This Book Is For? This book is for intermediate iOS developers who already know the basics of iOS, and who wish to know everything there is to know about SwiftUI. Topics Covered in SwiftUI by Tutorials? SwiftUI Overview: Learn SwiftUI features, as well as the differences between Apple's platforms with SwiftUI. Customize your apps for AppKit, UIKit, WatchKit, tvOS, iPadOS and even Catalyst. Testability: See how to apply UI Testing to your SwiftUI apps in this very simple, yet powerful course. Controls & User Input: Learn about controls such as TextField, Button, Toggle, Slider, Stepper, pickers and many more. State & Data Flow: Learn how to bind data to the UI, about reactive updates to the UI through state management, and in-depth usage of the attributes related to SwiftUI. Accessibility: Learn how to navigate your app with VoiceOver on an iOS device and use the SwiftUI Accessibility API attributes to improve your app's accessible UI. Drawing Custom Graphics & Animations: Create drawings, graphics, animations and even view transitions in SwiftUI. macOS: Learn how to create a document-based Mac app and later start with an existing iOS app and learn how to re-use code, views and assets for creating a macOS app. One thing you can count on: After you finish reading this book, you'll be able to take advantage of the latest and greatest features of SwiftUI to bring modern declarative UX to your apps.

WIPO Technology Trends 2019 - Artificial Intelligence Springer Nature

The Portrayal In Words And Pictures Of A Naval Construction Battalion At Work And Play, From August 5, 1943 To September 2, 1945.

Transnational Corporations United Nations

This book focuses on two complementary time-scales, the Holocene (approximately the last 11,500 years) and the last glacial-interglacial cycle (approximately the last 130,000 years) to synthesize evidence of climate variability at the regional and continental scale across Europe and Africa. This is the first examination of historical climate variations at such a scale, and thus sets a benchmark for future research.

Electronic Literature as a Model of Creativity and Innovation in Practice (Elmcip), Volume 4 Springer Science & Business Media

Learn Modern Swift Concurrency! For years, writing powerful and safe concurrent apps with Swift could easily turn into a daunting task, full of race conditions and unexplained crashes hidden in a massive nesting of callback closures. In Swift 5.5, Apple introduced a new concurrency model featuring the `async/await` syntax, which lets you write asynchronous code that reads like synchronous code. But like any new feature, here be dragons! So how will you achieve the much-desired mastery of modern Swift concurrency? Modern Concurrency in Swift comes to the rescue, showcasing what you need to know about `async/await`, tasks, actors and everything in between! Who This Book Is For This book is for intermediate Swift developers who are familiar with writing asynchronous applications and who want to leverage the concurrency features Apple introduced in

Swift 5.5 and its evolution throughout the years, to write safer and more predictable asynchronous apps. Topics Covered in Modern Concurrency in Swift Using `async/await`: Learn how to use the new `async/await` keywords to define and run asynchronous work. Actors: Find out how to use the actor model to easily protect shared mutable state in a synchronized container. Tasks: You'll dive deeper into the `Task` type, which powers all asynchronous tasks in Swift's modern concurrency model. Task Groups: Use a Task Group to group multiple tasks together and run them concurrently, while using a familiar Array-like syntax to iterate over the results. Custom Asynchronous Sequences: Leverage the power of `async/await` in your own asynchronous work, by learning how to create custom `AsyncStreams`. Testing Asynchronous Code: Asynchronous code can be a challenging beast to test. You'll

learn everything you need to tackle this challenge. One thing you can count on: After reading this book, you'll be prepared to leverage Swift's new concurrency features in your app to write safe, performant and predictable asynchronous code.

Securing 'the Homeland' Kodeco Incorporated

The first report in a new flagship series, WIPO Technology Trends, aims to shed light on the trends in innovation in artificial intelligence since the field first developed in the 1950s.

Capitalism and Class in the Gulf Arab States Routledge

Provides extensive information on state-of the art diesel fuel injection technology.