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Human spaceflight has required space agencies to study and develop exercise countermeasure (CM) strategies to manage the profound, multi-system adaptation of the human body to prolonged microgravity (?G). Future space exploration will present new challenges in terms of adaptation management that will require the attention of both exercise physiologists and operational experts. In the short to medium-term, all exploration missions will be realised using relatively small vehicles/habitats, with some exploration scenarios including surface operations in low (

Introduction to rheology. Tube viscometry. Rotational viscometry. Extensional flow. Viscoelasticity.

This book is a printed edition of the Special Issue "Power Transformer Diagnostics, Monitoring and Design Features" that was published in Energies

This report is based on an exhaustive review of the published literature on the definitions, measurements, epidemiology, economics and interventions applied to nine chronic conditions and risk factors.

A multidisciplinary index covering the journal literature of the arts and humanities. It fully covers 1,144 of the world's leading arts and humanities journals, and it indexes individually selected, relevant items from over 6,800 major science and social science journals.

The 7th edition of a book that is widely regarded by members of the drinks industry as the most complete and authoritative cocktail publication available. It contains 2,250 easy to follow cocktail recipes, each accompanied by a colour photograph. It also includes detailed instructions for beginners, tips for bar professionals, reviews of the top 100 international bars and a history of the cocktail.

Titulo de la cubierta Biblioteca tiene: v.1 Science and technology.

Civil EngineeringNew York State Contract ReporterCanadianaSupplement to the Official Journal of the European CommunitiesIndustrial Arts IndexThe Engineering IndexThe Engineering Index AnnualPluripotent Stem Cells in Eye Disease TherapySpringer Nature

Although the disciplines of architecture and structural engineering have both experienced their own historical development, their interaction has resulted in many fascinating and delightful structures. To take this interaction to a higher level, there is a need to stimulate the inventive and creative design of architectural structures and to persuade architects and structural engineers to further collaborate in this process, exploiting together new concepts, applications and challenges. This set of book of abstracts and full paper searchable CD-ROM presents selected papers presented at the 3rd International Conference on Structures and Architecture Conference (ICSA2016), organized by the School of Architecture of the University of Minho, Guimarães, Portugal (July 2016), to promote the synergy in the collaboration between the disciplines of architecture and structural engineering.

This book discusses applications of pluripotent stem cells to study eye disease in vitro and to create novel therapies for degenerative eye diseases. Chapters are contributed by experts in the field and cover such topics as the use of pluripotent stem cells in 2D and 3D engineering of ocular tissues for disease modelling and drug testing as well as approaches to replace degenerated RPE and photoreceptors in macular degeneration and retinitis pigmentosa. Pluripotent Stem Cells in Eye Disease Therapy presents a comprehensive discussion of basic science and clinical applications and is an indispensable resource for everyone from advanced graduate students to advanced professionals who want to learn about the potential of stem cell biology and its role in the field of retinal diseases.

Learn How to Make tvOS Apps! The tvOS Apprentice teaches you everything you need to know to develop great apps for the Apple TV. This book teaches you how to make tvOS apps in two different ways: via the traditional method using UIKit, and via the new Client-Server method using TVML. For both complete beginners and iOS pros! Topics Covered in the tvOS Apprentice Architecture: There are two different ways to make apps for the Apple TV - learn which is best for you. TVML: Learn how to use TVML templates to implement beautiful interfaces for the Apple TV. TVJS: Learn how to use Javascript to manipulate the TVML DOM. Traditional Apps: Learn how to make make traditional app using native libraries. Focus: Learn how the Focus paradigm works and what it means for your apps. Animation: Get ready to add some delightful animation to your tvOS apps! User Input and the Controller: Learn how your app can interact with the new Apple TV remote. Video Playback: Get your Apple TV app to play video - a common requirement for tvOS apps. On Demand Resources: Learn how to download assets on the fly. CloudKit: Learn how to use CloudKit on tvOS to store your app's data. In App Purchase: Monetize your app by allowing users to purchase digital goods. tvOS Design: Learn how to design your apps to fit in well with the tvOS ecosystem. Creating Layered Images: Find out how to create a new kind of image specifically for the TV. The Top Shelf: Show off static and interactive content on the Top Shelf of your Apple TV. And Much More: Including the new Dark Mode, PhotoKit, and Multipeer Connectivity!

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 landscape 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.

Few people have experienced as much aerospace history as Bob Brulle (Lt. Col. Robert V. Brulle, USAF, Ret.), and fewer still possess his meticulous recall and research skills. The P-47 fighter pilot turned engineer, inventor, educator, and author found himself immersed in the Cold War race to the moon, developing cutting-edge technology, instructing future astronauts in aerodynamics and orbital mechanics, perfecting high-performance fighter aircraft to meet the Soviet challenge, overseeing the procurement of new weapon systems, and exploring alternative energy sources. In this book, he shares his unique personal insights into the triumphs and tragedies of one of the most exciting eras in American history.