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Waste Heat Recovery: Principles And Industrial Applications
Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
Valve Selection Handbook
Pressure Vessel Handbook
Planning Algorithms
Gas Turbine Engineering Handbook
A TEXTBOOK OF CHEMICAL ENGINEERING THERMODYNAMICS
Maneuver and Firepower
Python for Finance
Java Concepts
OpenGL Programming Guide
All about Pigging
Modern Control Engineering
Instrument and Automation Engineers' Handbook
Introduction to Embedded Systems, Second Edition
Aulton's Pharmaceuticals
The Nuclear Many-Body Problem
Game Coding Complete
PRESSURE RELIEF DEVICES.
Phytochemical Methods
Engine Testing
Data Structures and Algorithms in Java
Duncan and Prasse's Veterinary Laboratory Medicine
Standard Density and Volumetric Tables
Reservoir Engineering Handbook
Linux Device Drivers

Hacking- The art Of Exploitation
Security in Computing
Hadoop: The Definitive Guide
HTML & CSS: The Complete Reference, Fifth Edition
Beginning JavaScript
Java, Java, Java
Exploring Zynq Mpsoc
Assembly Language for X86 Processors
Stirling Engine Design Manual
Oracle PL/SQL Programming
Pressure Vessel Design Manual
Handbook of Pharmaceutical Excipients
Textbook of Endodontology
Advanced Microeconomic Theory

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ANASTASIA TOWNSEND

Waste Heat Recovery: Principles And Industrial Applications "O'Reilly Media, Inc."

Pressure vessels are closed containers designed to hold gases or liquids at a pressure substantially different from the ambient pressure. They have a variety of applications in industry, including in oil refineries, nuclear reactors, vehicle airbrake reservoirs, and more. The pressure differential with such vessels is dangerous, and due to the risk of accident and fatality around their use, the design, manufacture, operation and inspection of pressure vessels is regulated by engineering authorities and guided by legal codes and standards. Pressure Vessel Design

Manual is a solutions-focused guide to the many problems and technical challenges involved in the design of pressure vessels to match stringent standards and codes. It brings together otherwise scattered information and explanations into one easy-to-use resource to minimize research and take readers from problem to solution in the most direct manner possible. Covers almost all problems that a working pressure vessel designer can expect to face, with 50+ step-by-step design procedures including a wealth of equations, explanations and data Internationally recognized, widely referenced and trusted, with 20+ years of use in over 30 countries making it an accepted industry standard guide Now revised with up-to-date ASME, ASCE and API regulatory code information, and dual unit coverage for increased ease of international use

Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms McGraw Hill Professional

This book presents a comprehensive coverage of fundamentals, latest technologies and industrial applications of Waste Heat Recovery (WHR) in process industries. Simple and effective WHR techniques are illustrated with industrial examples, to help readers to identify, calculate and develop heat recovery potential in their processes. Key benefits of WHR projects, which are useful for developing successful WHR business cases, are demonstrated. Special emphasis is given towards major technical risks and mitigation plans, for implementing sound WHR projects. Techniques for reaping benefits of WHR projects for longer periods are also outlined. Applying these techniques with an understanding of the principles explained in this book, and taking cues from the examples and suggestions, the reader will be able to realise sustained benefits in their process. Solution manual is provided for free to instructors who adopt this textbook. Please send your request to sales@wspc.com.

Valve Selection Handbook Addison-Wesley

The second edition of Textbook of Endodontology continues the aim of serving the educational needs of dental students and dental practitioners searching for updates on endodontic theories and techniques. Significantly restructured and completely updated, the new edition maintains the ethos of the original, facilitating ease of learning through pedagogical features such as annotated references, core concepts and key literature. It features a number of new chapters on topics ranging from outcomes of endodontic treatment to managing endodontic

complications to dental trauma. Additionally, all other chapters have been thoroughly revised and brought up to date to reflect contemporary knowledge and practice. Textbook of Endodontology continues its important function of providing lucid scholarship and clear discussion of biological concepts and treatment principles in endodontics, and as such will be an important update to its current readers and a valuable discovery to its new audience.

Pressure Vessel Handbook CreateSpace

Includes Complete Coverage of the OpenGL® Shading Language! Today's OpenGL software interface enables programmers to produce extraordinarily high-quality computer-generated images and interactive applications using 2D and 3D objects, color images, and programmable shaders. OpenGL® Programming Guide: The Official Guide to Learning OpenGL®, Version 4.3, Eighth Edition, has been almost completely rewritten and provides definitive, comprehensive information on OpenGL and the OpenGL Shading Language. This edition of the best-selling "Red Book" describes the features through OpenGL version 4.3. It also includes updated information and techniques formerly covered in OpenGL® Shading Language (the "Orange Book"). For the first time, this guide completely integrates shader techniques, alongside classic, functioncentric techniques. Extensive new text and code are presented, demonstrating the latest in OpenGL programming techniques. OpenGL® Programming Guide, Eighth Edition, provides clear explanations of OpenGL functionality and techniques, including processing geometric objects with vertex, tessellation, and geometry shaders using geometric transformations and viewing matrices;

working with pixels and texture maps through fragment shaders; and advanced data techniques using framebuffer objects and compute shaders. New OpenGL features covered in this edition include Best practices and sample code for taking full advantage of shaders and the entire shading pipeline (including geometry and tessellation shaders) Integration of general computation into the rendering pipeline via compute shaders Techniques for binding multiple shader programs at once during application execution Latest GLSL features for doing advanced shading techniques Additional new techniques for optimizing graphics program performance

Planning Algorithms Springer Science & Business Media

Text for a first course in control systems, revised (1st ed. was 1970) to include new subjects such as the pole placement approach to the design of control systems, design of observers, and computer simulation of control systems. For senior engineering students. Annotation copyright Book News, Inc.

Gas Turbine Engineering Handbook Butterworth-Heinemann
The Instrument and Automation Engineers' Handbook (IAEH) is the Number 1 process automation handbook in the world. The two volumes in this greatly expanded Fifth Edition deal with measurement devices and analyzers. Volume one, Measurement and Safety, covers safety sensors and the detectors of physical properties, while volume two, Analysis and Analysis, describes the measurement of such analytical properties as composition. Complete with 245 alphabetized chapters and a thorough index for quick access to specific information, the IAEH, Fifth Edition is a must-have reference for instrument and automation engineers working in the chemical, oil/gas, pharmaceutical, pollution,

energy, plastics, paper, wastewater, food, etc. industries.

A TEXTBOOK OF CHEMICAL ENGINEERING THERMODYNAMICS
World Scientific

What is this book about? JavaScript is the language of the Web. Used for programming all major browsers, JavaScript gives you the ability to enhance your web site by creating interactive, dynamic, and personalized pages. Our focus in this book is on client-side scripting, but JavaScript is also hugely popular as a scripting language in server-side environments, a subject that we cover in later chapters. What does this book cover? Beginning JavaScript assumes no prior knowledge of programming languages, but will teach you all the fundamental concepts that you need as you progress. After covering the core JavaScript language, you'll move on to learn about more advanced techniques, including Dynamic HTML, using cookies, debugging techniques, and server-side scripting with ASP. By the end of this book, you will have mastered the art of using JavaScript to create dynamic and professional-looking web pages. Here are a few of the things you'll learn in this book: Fundamental programming concepts Comprehensive practical tutorial in JavaScript Cross-browser scripting, including Netscape 6 Cookie creation and use Plug-ins and ActiveX controls Dynamic HTML Scripting the W3C DOM Server-side JavaScript with ASP Who is this book for? This book is for anyone who wants to learn JavaScript. You will need a very basic knowledge of HTML, but no prior programming experience is necessary. Whether you want to pick up some programming skills, or want to find out how to transfer your existing programming knowledge to the Web, then this book is for you. All you need is a text editor (like Notepad) and a browser,

and you're ready to go!

Maneuver and Firepower DIANE Publishing

Engine Testing: Electrical, Hybrid, IC Engine and Power Storage Testing and Test Facilities, Fifth Edition covers the requirements of test facilities dealing with e-vehicle systems and different configurations and operations. Chapters dealing with the rigging and operation of Units Under Test (UUT) are updated to include electric motor-based systems, test cell services and thermodynamics. Control module and system testing using advanced, in-the-Loop (XiL) methods are described, including powertrain component integrated simulation and testing. All other chapters dealing with test cell design, installation, safety and use together with the cell support systems in IC engine testing are updated to reflect current developments and research. Covers multiple technical disciplines for anyone required to design, modify or operate an automotive powertrain test facility Provides tactics on the development of electrical and hybrid powertrains and energy storage systems Presents coverage of the housing and testing of automotive battery systems in addition to the use of 'virtual' testing in the form of 'x-in-the-loop' throughout the powertrain's development and test life

Python for Finance PHI Learning Pvt. Ltd.

Planning algorithms are impacting technical disciplines and industries around the world, including robotics, computer-aided design, manufacturing, computer graphics, aerospace applications, drug design, and protein folding. Written for computer scientists and engineers with interests in artificial intelligence, robotics, or control theory, this is the only book on this topic that tightly integrates a vast body of literature from

several fields into a coherent source for teaching and reference in a wide variety of applications. Difficult mathematical material is explained through hundreds of examples and illustrations.

Java Concepts Butterworth-Heinemann

A guide to help programmers learn how to support computer peripherals under the Linux operating system, and how to develop new hardware under Linux. This third edition covers all the significant changes to Version 2.6 of the Linux kernel. Includes full-featured examples that programmers can compile and run without special hardware

OpenGL Programming Guide "O'Reilly Media, Inc."

The financial industry has recently adopted Python at a tremendous rate, with some of the largest investment banks and hedge funds using it to build core trading and risk management systems. Updated for Python 3, the second edition of this hands-on book helps you get started with the language, guiding developers and quantitative analysts through Python libraries and tools for building financial applications and interactive financial analytics. Using practical examples throughout the book, author Yves Hilpisch also shows you how to develop a full-fledged framework for Monte Carlo simulation-based derivatives and risk analytics, based on a large, realistic case study. Much of the book uses interactive IPython Notebooks.

All about Pigging CRC Press

The authors have revised and updated this bestseller to include both the Oracle8i and new Oracle9i Internet-savvy database products.

Modern Control Engineering "O'Reilly Media, Inc."

An introduction to the engineering principles of embedded

systems, with a focus on modeling, design, and analysis of cyber-physical systems. The most visible use of computers and software is processing information for human consumption. The vast majority of computers in use, however, are much less visible. They run the engine, brakes, seatbelts, airbag, and audio system in your car. They digitally encode your voice and construct a radio signal to send it from your cell phone to a base station. They command robots on a factory floor, power generation in a power plant, processes in a chemical plant, and traffic lights in a city. These less visible computers are called embedded systems, and the software they run is called embedded software. The principal challenges in designing and analyzing embedded systems stem from their interaction with physical processes. This book takes a cyber-physical approach to embedded systems, introducing the engineering concepts underlying embedded systems as a technology and as a subject of study. The focus is on modeling, design, and analysis of cyber-physical systems, which integrate computation, networking, and physical processes. The second edition offers two new chapters, several new exercises, and other improvements. The book can be used as a textbook at the advanced undergraduate or introductory graduate level and as a professional reference for practicing engineers and computer scientists. Readers should have some familiarity with machine structures, computer programming, basic discrete mathematics and algorithms, and signals and systems.

Instrument and Automation Engineers' Handbook Elsevier Health Sciences

For Stirling engines to enjoy widespread application and

acceptance, not only must the fundamental operation of such engines be widely understood, but the requisite analytic tools for the stimulation, design, evaluation and optimization of Stirling engine hardware must be readily available. The purpose of this design manual is to provide an introduction to Stirling cycle heat engines, to organize and identify the available Stirling engine literature, and to identify, organize, evaluate and, in so far as possible, compare non-proprietary Stirling engine design methodologies. This report was originally prepared for the National Aeronautics and Space Administration and the U. S. Department of Energy.

Introduction to Embedded Systems, Second Edition Pearson Custom Publishing

Game Coding Complete, Second Edition is the essential hands-on guide to developing commercial quality games written by master game programmer, Mike McSaffry. This must-have second edition has been expanded from the bestselling first edition to include the absolute latest in exciting new techniques in game interface design programming, game audio programming, game scripting, 3D programming, network game programming and game engine technology. All of the code in the book has been completely updated to work with all of the latest compiler technology.

Aulton's Pharmaceuticals MIT Press

The Definitive Guide to HTML & CSS--Fully Updated Written by a Web development expert, the fifth edition of this trusted resource has been thoroughly revised and reorganized to address HTML5, the revolutionary new Web standard. The book covers all the elements supported in today's Web browsers--from the standard

(X)HTML tags to the archaic and proprietary tags that may be encountered. HTML & CSS: The Complete Reference, Fifth Edition contains full details on CSS 2.1 as well as every proprietary and emerging CSS3 property currently supported. Annotated examples of correct markup and style show you how to use all of these technologies to build impressive Web pages. Helpful appendixes cover the syntax of character entities, fonts, colors, and URLs. This comprehensive reference is an essential tool for professional Web developers. Master transitional HTML 4.01 and XHTML 1.0 markup Write emerging standards-based markup with HTML5 Enhance presentation with Cascading Style Sheets (CSS1 and CSS 2.1) Learn proprietary and emerging CSS3 features Learn how to read (X)HTML document type definitions (DTDs) Apply everything in an open standards-focused fashion Thomas A. Powell is president of PINT, Inc. (pint.com), a nationally recognized Web agency. He developed the Web Publishing Certificate program for the University of California, San Diego Extension and is an instructor for the Computer Science Department at UCSD. He is the author of the previous bestselling editions of this book and Ajax: The Complete Reference, and co-author of JavaScript: The Complete Reference.

The Nuclear Many-Body Problem Prentice Hall

This text introduces the spirit and theory of hacking as well as the science behind it all; it also provides some core techniques and tricks of hacking so you can think like a hacker, write your own hacks or thwart potential system attacks.

Game Coding Complete oshean collins

Valves are the components in a fluid flow or pressure system that regulate either the flow or the pressure of the fluid. They are

used extensively in the process industries, especially petrochemical. Though there are only four basic types of valves, there is an enormous number of different kinds of valves within each category, each one used for a specific purpose. No other book on the market analyzes the use, construction, and selection of valves in such a comprehensive manner. Covers new environmentally-conscious equipment and practices, the most important hot-button issue in the petrochemical industry today Details new generations of valves for offshore projects, the oil industry's fastest-growing segment Includes numerous new products that have never before been written about in the mainstream literature

PRESSURE RELIEF DEVICES. Elsevier

This book introduces the Zynq MPSoC (Multi-Processor System-on-Chip), an embedded device from Xilinx. The Zynq MPSoC combines a sophisticated processing system that includes ARM Cortex-A53 applications and ARM Cortex-R5 real-time processors, with FPGA programmable logic. As well as guiding the reader through the architecture of the device, design tools and methods are also covered in detail: both the conventional hardware/software co-design approach, and the newer software-defined methodology using Xilinx's SDx development environment. Featured aspects of Zynq MPSoC design include hardware and software development, multiprocessing, safety, security and platform management, and system booting. There are also special features on PYNQ, the Python-based framework for Zynq devices, and machine learning applications. This book should serve as a useful guide for those working with Zynq MPSoC, and equally as a reference for technical managers

wishing to gain familiarity with the device and its associated design methodologies.

Phytochemical Methods Amer Pharmacists Assn
Study Edition