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A Quick Guide to API 510 Certified Pressure Vessel Inspector Syllabus - Clifford Matthews 2010-10-22
The API Individual Certification Programs (ICPs) are well

established worldwide in the oil, gas, and petroleum industries. This Quick Guide is unique in providing simple, accessible and well-structured guidance for anyone studying the

API 510 Certified Pressure Vessel Inspector syllabus by summarizing and helping them through the syllabus and providing multiple example questions and worked answers. Technical standards are referenced from the API 'body of knowledge' for the examination, i.e. API 510 Pressure vessel inspection, alteration, rerating; API 572 Pressure vessel inspection; API RP 571 Damage mechanisms; API RP 577 Welding; ASMEVIII Vessel design; ASMEV NDE; and ASME IX Welding qualifications. Provides simple, accessible and well-structured guidance for anyone studying the API 510 Certified Pressure Vessel Inspector syllabus Summarizes the syllabus and provides the user with multiple example questions and worked answers Technical

standards are referenced from the API 'body of knowledge' for the examination

The Nano-Micro Interface

- Marcel Van de Voorde
2015-01-08

Controlling the properties of materials by modifying their composition and by manipulating the arrangement of atoms and molecules is a dream that can be achieved by nanotechnology. As one of the fastest developing and innovative -- as well as well-funded -- fields in science, nanotechnology has already significantly changed the research landscape in chemistry, materials science, and physics, with numerous applications in consumer products, such as sunscreens and water-repellent clothes. It is also thanks to this multidisciplinary field that flat panel

displays, highly efficient solar cells, and new biological imaging techniques have become reality. This second, enlarged edition has been fully updated to address the rapid progress made within this field in recent years. Internationally recognized experts provide comprehensive, first-hand information, resulting in an overview of the entire nano-micro world. In so doing, they cover aspects of funding and commercialization, the manufacture and future applications of nanomaterials, the fundamentals of nanostructures leading to macroscale objects as well as the ongoing miniaturization toward the nanoscale domain. Along the way, the authors explain the effects occurring at the nanoscale and the nanotechnological characterization

techniques. An additional topic on the role of nanotechnology in energy and mobility covers the challenge of developing materials and devices, such as electrodes and membrane materials for fuel cells and catalysts for sustainable transportation. Also new to this edition are the latest figures for funding, investments, and commercialization prospects, as well as recent research programs and organizations.

A Synopsis of Elementary Results in Pure and Applied Mathematics - George Shoobridge Carr 1880

Contracts for the International Sale of Goods - Franco Ferrari 2011-12-23

Contracts for the International Sale of Goods provides an examination of the United Nations

Convention on Contracts for the International Sale of Goods (CISG). Extensively referenced, the volume focuses on the exact determination of the CISG's sphere of application; both the non-conformity of delivered goods and the notice of non-conformity; and the determination of the rate of interest on sums in arrears.

Data Structures -

Engineering Production-Grade Shiny Apps - Colin Fay 2021-09-27

From the Reviews "[This book] contains an excellent blend of both Shiny-specific topics ... and practical advice from software development that fits in nicely with Shiny apps. You will find many nuggets of wisdom sprinkled throughout these chapters...." Eric Nantz, Host of the R-Podcast and the Shiny

Developer Series (from the Foreword) "[This] book is a gradual and pleasant invitation to the production-ready shiny apps world. It ...exposes a comprehensive and robust workflow powered by the {golem} package. [It] fills the not yet covered gap between shiny app development and deployment in such a thrilling way that it may be read in one sitting.... In the industry world, where processes robustness is a key toward productivity, this book will indubitably have a tremendous impact." David Granjon, Sr. Expert Data Science, Novartis Presented in full color, Engineering Production-Grade Shiny Apps helps people build production-grade shiny applications, by providing advice, tools, and a methodology to work on web applications

with R. This book starts with an overview of the challenges which arise from any big web application project: organizing work, thinking about the user interface, the challenges of teamwork and the production environment. Then, it moves to a step-by-step methodology that goes from the idea to the end application. Each part of this process will cover in detail a series of tools and methods to use while building production-ready shiny applications. Finally, the book will end with a series of approaches and advice about optimizations for production. Features Focused on practical matters: This book does not cover Shiny concepts, but practical tools and methodologies to use for production. Based on experience: This book is a

formalization of several years of experience building Shiny applications. Original content: This book presents new methodologies and tooling, not just a review of what already exists. Engineering Production-Grade Shiny Apps covers medium to advanced content about Shiny, so it will help people that are already familiar with building apps with Shiny, and who want to go one step further.

Fundamentals of Computer Programming with C# - Svetlin Nakov 2013-09-01
The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality

code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer

should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to

master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples. Download the free C# programming book, videos, presentations and other resources from <http://introprogramming.info>. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language:

English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: <http://www.introprogramming.info> License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, strings, text processing, StringBuilder, exceptions, exception handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue,

tree, balanced tree, graph, depth-first search, DFS, breadth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms, recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects, constructors, fields, properties, static members, abstraction, interfaces, encapsulation, inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns, extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-

documenting code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

Programming in Scala - Martin Odersky 2008

Presents an introduction to the new programming language for the Java Platform.

Dive Into Deep Learning - Joanne Quinn 2019-07-15

The leading experts in system change and learning, with their school-based partners around the world, have created this essential companion to their runaway best-seller, *Deep Learning: Engage the World Change the World*. This hands-on guide provides a roadmap for building capacity in teachers, schools, districts, and systems to design deep learning, measure progress, and assess conditions needed to activate and sustain

innovation. Dive Into Deep Learning: Tools for Engagement is rich with resources educators need to construct and drive meaningful deep learning experiences in order to develop the kind of mindset and know-how that is crucial to becoming a problem-solving change agent in our global society. Designed in full color, this easy-to-use guide is loaded with tools, tips, protocols, and real-world examples. It includes:

- A framework for deep learning that provides a pathway to develop the six global competencies needed to flourish in a complex world – character, citizenship, collaboration, communication, creativity, and critical thinking.
- Learning progressions to help educators analyze student work and measure progress.
- Learning

design rubrics, templates and examples for incorporating the four elements of learning design: learning partnerships, pedagogical practices, learning environments, and leveraging digital.

- Conditions rubrics, teacher self-assessment tools, and planning guides to help educators build, mobilize, and sustain deep learning in schools and districts. Learn about, improve, and expand your world of learning. Put the joy back into learning for students and adults alike. Dive into deep learning to create learning experiences that give purpose, unleash student potential, and transform not only learning, but life itself.

Desdemona - Toni Morrison 2012-07-18
The story of Desdemona from Shakespeare's Othello is re-imagined

by Nobel Prize laureate Toni Morrison, Malian singer and songwriter Rokia Traoré, and acclaimed stage director Peter Sellars.

Morrison's response to Othello is an intimate dialogue of words and music between Desdemona and her African nurse Barbary. Morrison gives voice and depth to the female characters, letting them speak and sing in the fullness of their hearts. Desdemona is an extraordinary narrative of words, music and song about Shakespeares doomed heroine, who speaks from the grave about the traumas of race, class, gender, war and the transformative power of love. Toni Morrison transports one of the most iconic, central, and disturbing treatments of race in Western culture into the new realities and potential outcomes

facing a rising generation of the 21st century.

Expert One-on-One J2EE Design and Development -

Rod Johnson 2004-08-04

What is this book about?

The results of using J2EE in practice are often disappointing: applications are often slow, unduly complex, and take too long to develop. Rod Johnson believes that the problem lies not in J2EE itself, but in that it is often used badly. Many J2EE publications advocate approaches that, while fine in theory, often fail in reality, or deliver no real business value. Expert One-on-One: J2EE Design and Development aims to demystify J2EE development. Using a practical focus, it shows how to use J2EE technologies to reduce, rather than increase, complexity. Rod draws on his experience of

designing successful high-volume J2EE applications and salvaging failing projects, as well as intimate knowledge of the J2EE specifications, to offer a real-world, how-to guide on how you too can make J2EE work in practice. It will help you to solve common problems with J2EE and avoid the expensive mistakes often made in J2EE projects. It will guide you through the complexity of the J2EE services and APIs to enable you to build the simplest possible solution, on time and on budget. Rod takes a practical, pragmatic approach, questioning J2EE orthodoxy where it has failed to deliver results in practice and instead suggesting effective, proven approaches. What does this book cover? In this book, you will learn When to use a

distributed architecture
When and how to use EJB
How to develop an efficient data access strategy
How to design a clean and maintainable web interface
How to design J2EE applications for performance
Who is this book for? This book would be of value to most enterprise developers. Although some of the discussion (for example, on performance and scalability) would be most relevant to architects and lead developers, the practical focus would make it useful to anyone with some familiarity with J2EE. Because of the complete design-deployment coverage, a less advanced developer could work through the book along with a more introductory text, and successfully build and understand the sample application. This comprehensive coverage

would also be useful to developers in smaller organisations, who might be called upon to fill several normally distinct roles. What is special about this book? Wondering what differentiates this book from others like it in the market? Take a look: It does not just discuss technology, but stress its practical application. The book is driven from the need to solve common tasks, rather than by the elements of J2EE. It discuss risks in J2EE development It takes the reader through the entire design, development and build process of a non-trivial application. This wouldn't be compressed into one or two chapters, like the Java Pet Store, but would be a realistic example comparable to the complexity of applications readers

would need to build. At each point in the design, alternative choices would be discussed. This would be important both where there's a real problem with the obvious alternative, and where the obvious alternatives are perhaps equally valid. It emphasizes the use of OO design and design patterns in J2EE, without becoming a theoretical book
American Practical Navigator - Nathaniel Bowditch 1931

A Quick Guide to API 570 Certified Pipework Inspector Syllabus - Clifford Matthews
2009-05-22
The API Individual Certification Programs (ICPs) are well established worldwide in the oil, gas, and petroleum industries. This Quick Guide is unique in providing simple, accessible and

well-structured guidance for anyone studying the API 570 Certified Pipework Inspector syllabus by: Summarising and helping them through the syllabus Providing multiple example questions and worked answers Technical standards covered include the full API 'body of knowledge' for the examination, i.e. API570 Piping inspection code; API RP 571 Damage mechanisms affecting fixed equipment in the refining industry; API RP 574 Inspection practices for piping system components; API RP 577 Welding and metallurgy; API RP 578 Material verification program for new and existing alloy piping systems; ASME V Non-destructive examination; ASME IX Welding qualifications; ASME B16.5 Pipe flanges and flanged fittings; and ASME B 31.3 Process

piping. Provides simple, accessible and well-structured guidance for anyone studying the API 570 Certified Pipework Inspector syllabus Summarizes the syllabus and provides the user with multiple example questions and worked answers Technical standards covered include the full API 'body of knowledge' for the examination *GB/T-2012, GB-2012 -- Chinese National Standard PDF-English, Catalog (year 2012) - <https://www.chinesestandard.net> 2020-06-06* This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2012. *Chemical Data Guide for Bulk Shipment by Water - United States. Coast Guard 1990* Contains data on over 300 liquid cargoes being transported in bulk by

water. This Chemical Data Guide was developed in the interest of safe water movement of bulk chemicals. By providing key chemical information, this guide can help prevent or at least minimize the harmful effects of chemical accidents on the waterways. Edge indexed.

Protecting Children in Armed Conflict - Shaheed Fatima QC 2018-09-20

In armed conflicts around the world, children are being killed, raped, abducted and recruited to fight at a shocking scale. In light of this continuing general failure to protect children in conflict, it is questionable whether existing international law norms and institutions provide sufficient protection and accountability. Consideration needs to be given to whether

international law can do more – practically and effectively – when moral lines are crossed. That is the purpose of this book. It reviews the position of children in armed conflict by reference to the 'six grave violations' as identified by the UN Security Council. It analyses the protection offered by international humanitarian law, international criminal law and international human rights law, and also assesses the related adjudicative accountability mechanisms. The analysis concludes with a number of recommendations and proposals for reform, with a view to enhancing accountability and deterring future violations. The book has been written by a team of lawyers, headed by Shaheed Fatima QC, and has drawn on the input of an expert advisory

panel comprising leading academics, policy-makers and activists. It has been written as part of the Inquiry on Protecting Children in Conflict. The Inquiry has been sponsored by Save the Children and Theirworld and chaired by former UK Prime Minister, Gordon Brown.

.NET 4 Wrox PDF Bundle - Bill Evjen 2010-09-17
The books included in this set are:

9780470502204
Professional ASP.NET 4: in C# and VB: Written by three highly recognized and regarded ASP.NET experts, this book provides comprehensive coverage on ASP.NET 4 with a unique approach featuring examples in both C# and VB, as is the incomparable coverage of core ASP.NET. After a fast-paced refresher on essentials such as server controls, the book delves into expert

coverage of all the latest capabilities of ASP.NET 4. 9780470502259
Professional C# 4 and .NET 4: After a quick refresher on C# basics, the author dream team moves on to provide you with details of language and framework features including LINQ, LINQ to SQL, LINQ to XML, WCF, WPF, Workflow, and Generics. Coverage also spans ASP.NET programming with C#, working in Visual Studio 2010 with C#, and more. With this book, you'll quickly get up to date on all the newest capabilities of C# 4. 9780470548653
Professional Visual Studio 2010: This book gets you quickly up to speed on what you can expect from Visual Studio 2010. Packed with helpful examples, this comprehensive guide explains examines the features of Visual Studio 2010, which

allows you to create and manage programming projects for the Windows platform. It walks you through every facet of the Integrated Development Environment (IDE), from common tasks and functions to its powerful tools

9780470499832 Visual Basic 2010 Programmer's Reference: This reference guide provides you with a broad, solid understanding of essential Visual Basic 2010 topics and clearly explains how to use this powerful programming language to perform a variety of tasks. As a tutorial, the book describes the Visual Basic language and covers essential Visual Basic topics. The material presents categorized information regarding specific operations and reveals useful tips, tricks, and tidbits to help you make the most of the new

Visual Basic 2010.
9780470477229 WPF Programmer's Reference: Windows Presentation Foundation with C# 2010 and .NET 4: Written by a leading expert on Microsoft graphics programming, this richly illustrated book provides an introduction to WPF development and explains fundamental WPF concepts. It is packed with helpful examples and progresses through a range of topics that gradually increase in their complexity.

9780470257029 Professional SQL Server 2008 Programming: This expanded best-seller includes new coverage of SQL Server 2008's new datatypes, new indexing structures, manageability features, and advanced time-zone handling. As an added bonus, also includes Professional SQL Server 2005 Programmers for .NET 4 developers still

working in a SQL Server 2005 setting.

OpenSHMEM and Related Technologies. OpenSHMEM in the Era of Extreme Heterogeneity - Swaroop Pophale 2019-03-18

This book constitutes the proceedings of the 5th OpenSHMEM Workshop, held in Baltimore, MD, USA, in August 2018. The 14 full papers presented in this book were carefully reviewed and selected for inclusion in this volume. The papers discuss a variety of ideas for extending the OpenSHMEM specification and discuss a variety of concepts, including interesting use of OpenSHMEM in HOOVER – a distributed, flexible, and scalable streaming graph processor and scaling OpenSHMEM to handle massively parallel processor arrays. The papers are organized in the following topical

sections: OpenSHMEM library extensions and implementations; OpenSHMEM use and applications; and OpenSHMEM simulators, tools, and benchmarks.

Carbon Black - Jean-Baptiste Donnet 2018-05-04

The second edition of this reference provides comprehensive examinations of developments in the processing and applications of carbon black, including the use of new analytical tools such as scanning tunnelling microscopy, Fourier transform infrared spectroscopy and inverse gas chromatography.; Completely rewritten and updated by numerous experts in the field to reflect the enormous growth of the field since the publication of the previous edition, Carbon Black: discusses the mechanism of carbon

black formation based on recent advances such as the discovery of fullerenes; elucidates micro- and macrostructure morphology and other physical characteristics; outlines the fractal geometry of carbon black as a new approach to characterization; reviews the effect of carbon black on the electrical and thermal conductivity of filled polymers; delineates the applications of carbon black in elastomers, plastics, and zerographic toners; and surveys possible health consequences of exposure to carbon black.;With over 1200 literature citations, tables, and figures, this resource is intended for physical, polymer, surface and colloid chemists; chemical and plastics engineers; spectroscopists;

materials scientists; occupational safety and health physicians; and upper-level undergraduate and graduate students in these disciplines. Handbook of Oil Spill Science and Technology - Merv Fingas 2015-02-02 Provides a scientific basis for the cleanup and for the assessment of oil spills Enables Non-scientific officers to understand the science they use on a daily basis Multi-disciplinary approach covering fields as diverse as biology, microbiology, chemistry, physics, oceanography and toxicology Covers the science of oil spills from risk analysis to cleanup and through the effects on the environment Includes case studies examining and analyzing spills, such as Tasman Spirit oil spill on the Karachi Coast, and provides

lessons to prevent these
in the future

Seducing His Princess -

Olivia Gates 2014

He will reclaim her in
this scorching Married
by Royal Decree novel
from USA TODAY
bestselling author
Olivia Gates Mohab Aal
Ghaanem once had Jala
Aal Masood...and lost
her. Now, as a new king,
he can end the explosive
feud between their
kingdoms, and fulfill
his parting pledge to
the princess of
Judar...that he would
make her his wife. Marry
Mohab? Six years ago,
the prince risked his
life to save Jala,
igniting her
desires...only to betray
her trust. Now the
ruthless seducer is
forcing her into a sham
marriage. Will it mean a
second chance with the
man she still
craves...or heartbreak
when all their dark
secrets are revealed?

Real-Time Rendering -

Tomas Akenine-Möller

2019-01-18

Thoroughly revised, this
third edition focuses on
modern techniques used
to generate synthetic
three-dimensional images
in a fraction of a
second. With the advent
of programmable shaders,
a wide variety of new
algorithms have arisen
and evolved over the
past few years. This
edition discusses
current, practical
rendering methods used
in games and other
applications. It also
presents a solid
theoretical framework
and relevant mathematics
for the field of
interactive computer
graphics, all in an
approachable style. The
authors have made the
figures used in the book
available for download
for fair use.:Download
Figures. Reviews
Rendering has been a
required reference for

professional graphics practitioners for nearly a decade. This latest edition is as relevant as ever, covering topics from essential mathematical foundations to advanced techniques used by today's cutting edge games. -- Gabe Newell, President, Valve, May 2008

Rendering ... has been completely revised and revamped for its updated third edition, which focuses on modern techniques used to generate three-dimensional images in a fraction of the time old processes took. From practical rendering for games to math and details for better interactive applications, it's not to be missed. -- The Bookwatch, November 2008

You'll get brilliantly lucid explanations of concepts like vertex morphing and variance shadow mapping—as well

as a new respect for the incredible craftsmanship that goes into today's PC games. -- Logan Decker, PC Gamer Magazine , February 2009

Aulton's Pharmaceuticals - Michael E. Aulton 2013

"Pharmaceutics is the art of pharmaceutical preparations. It encompasses design of drugs, their manufacture and the elimination of micro-organisms from the products. This book encompasses all of these areas."--Provided by publisher.

Ruby Cookbook - Lucas Carlson 2015-03-24

Why spend time on coding problems that others have already solved when you could be making real progress on your Ruby project? This updated cookbook provides more than 350 recipes for solving common problems, on topics ranging from basic data structures, classes, and objects, to web development,

distributed programming, and multithreading. Revised for Ruby 2.1, each recipe includes a discussion on why and how the solution works. You'll find recipes suitable for all skill levels, from Ruby newbies to experts who need an occasional reference. With Ruby Cookbook, you'll not only save time, but keep your brain percolating with new ideas as well. Recipes cover: Data structures including strings, numbers, date and time, arrays, hashes, files and directories Using Ruby's code blocks, also known as closures OOP features such as classes, methods, objects, and modules XML and HTML, databases and persistence, and graphics and other formats Web development with Rails and Sinatra Internet services, web services, and

distributed programming Software testing, debugging, packaging, and distributing Multitasking, multithreading, and extending Ruby with other languages *Pharmaceutical and Clinical Calculations, 2nd Edition* - Mansoor A. Kahn 2000-04-06 Pharmaceutical and clinical calculations are critical to the delivery of safe, effective, and competent patient care and professional practice. *Pharmaceutical and Clinical Calculations, Second Edition* addresses this crucial component, while emphasizing contemporary pharmacy practices. Presenting the information in a well-organized and easy-to-understand manner, the authors explain the principles of clinical calculations involving dose and dosing regimens in patients with

impaired organ functions, aminoglycoside therapy, pediatric and geriatric dosing, and radiopharmaceuticals with appropriate examples. Each chapter begins with an introduction to the topic, followed by a comprehensive discussion. Key concepts are highlighted throughout the book for easy retrieval. The examples presented in the text reflect the practice environment in community, hospital, and nuclear pharmacy settings, and the clinical problems presented reflect a direct application of underlying theoretical principles and discussions. Pharmaceutical and Clinical Calculations, Second Edition is an essential tool for any practitioner who needs to reinforce their

knowledge of the subject and is a valuable study guide for the Pharmacy Board examination.

Data Structures and Algorithms in Java -
Michael T. Goodrich
2014-01-28

The design and analysis of efficient data structures has long been recognized as a key component of the Computer Science curriculum. Goodrich, Tomassia and Goldwasser's approach to this classic topic is based on the object-oriented paradigm as the framework of choice for the design of data structures. For each ADT presented in the text, the authors provide an associated Java interface. Concrete data structures realizing the ADTs are provided as Java classes implementing the interfaces. The Java code implementing fundamental data

structures in this book is organized in a single Java package, net.datastructures. This package forms a coherent library of data structures and algorithms in Java specifically designed for educational purposes in a way that is complimentary with the Java Collections Framework.

Holub on Patterns -

Allen Holub 2004-09-27

* Allen Holub is a highly regarded instructor for the University of California, Berkeley, Extension. He has taught since 1982 on various topics, including Object-Oriented Analysis and Design, Java, C++, C. Holub will use this book in his Berkeley Extension classes. * Holub is a regular presenter at the Software Development conferences and is Contributing Editor for

the online magazine JavaWorld, for whom he writes the Java Toolbox. He also wrote the OO Design Process column for IBM DeveloperWorks.

* This book is not time-sensitive. It is an extremely well-thought out approach to learning design patterns, with Java as the example platform, but the concepts presented are not limited to just Java programmers. This is a complement to the Addison-Wesley seminal "Design Patterns" book by the "Gang of Four".

Heavy Fuel Oil (HFO) - Janne Fritt-Rasmussen 2018-10-29

Shipping activities across the Arctic are expected to increase with decreasing sea ice cover, thus increasing the risk of oil spills. Heavy Fuel Oil (HFO, a mixture of residual fuel and distillate diluent) is often used as fuel in marine vessels as it is

relatively cheaper than e.g. lighter marine fuels. Knowledge about fate and behaviour of HFOs is important to select the most efficient countermeasures in an oil spill situation as well as in the risk assessment of possible oil spills in cold waters. The aim of this review is to collate and strengthen the knowledge base on HFO in cold seawater, its fate and behaviour, including weathering, biodegradation, environmental implications of HFO spills and HFO spill response including environmental considerations regarding use of chemical dispersants and in situ burning. Knowledge gaps and research needs are identified and described.

Bioimage Data Analysis Workflows - Kota Miura

2019-10-17

This Open Access textbook provides students and researchers in the life sciences with essential practical information on how to quantitatively analyze data images. It refrains from focusing on theory, and instead uses practical examples and step-by-step protocols to familiarize readers with the most commonly used image processing and analysis platforms such as ImageJ, MatLab and Python. Besides gaining knowhow on algorithm usage, readers will learn how to create an analysis pipeline by scripting language; these skills are important in order to document reproducible image analysis workflows. The textbook is chiefly intended for advanced undergraduates in the life sciences and biomedicine without a theoretical background

in data analysis, as well as for postdocs, staff scientists and faculty members who need to perform regular quantitative analyses of microscopy images.

Customary International Humanitarian Law - Jean-Marie Henckaerts
2005-03-03

Customary International Humanitarian Law, Volume I: Rules is a comprehensive analysis of the customary rules of international humanitarian law applicable in international and non-international armed conflicts. In the absence of ratifications of important treaties in this area, this is clearly a publication of major importance, carried out at the express request of the international community. In so doing, this study identifies the common core of international humanitarian law binding

on all parties to all armed conflicts. Comment Don:RWI.

Gas Pipeline Hydraulics
- Shashi Menon 2013

This book is concerned with the steady state hydraulics of natural gas and other compressible fluids being transported through pipelines. Our main approach is to determine the flow rate possible and compressor station horsepower required within the limitations of pipe strength, based on the pipe materials and grade. It addresses the scenarios where one or more compressors may be required depending on the gas flow rate and if discharge cooling is needed to limit the gas temperatures. The book is the result of over 38 years of the authors' experience on pipelines in North and South America while working for major energy

companies such as ARCO,
El Paso Energy, etc.

NFPA 58 - 2013

OpenGL Programming Guide

- Dave Shreiner

2013-03-19

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
Handbook of Pumps and Pumping - Brian Nesbitt 2006-10-18
Written by an experienced engineer, this book contains practical information on

all aspects of pumps including classifications, materials, seals, installation, commissioning and maintenance. In addition you will find essential information on units, manufacturers and suppliers worldwide, providing a unique reference for your desk, R&D lab, maintenance shop or library. * Includes maintenance techniques, helping you get the optimal performance out of your pump and reducing maintenance costs * Will help you to understand seals, couplings and ancillary equipment, ensuring systems are set up properly to save time and money * Provides useful contacts for manufacturers and suppliers who specialise in pumps, pumping and ancillary equipment
Pro WPF - Matthew MacDonald 2007-11-25

This book explains how WPF works from the ground up. It is one of the first books available, and also one of the most detailed. It follows on from the author's previous and highly successful books covering Windows Forms. It is a one-stop shop in Apress' proven 'Pro' style that leaves readers with a deep understanding of the technology and able to take the concepts away and apply them for themselves. The book is written by Matthew MacDonald, author of two highly successful books on WPF's predecessor technology and with a proven track record of explaining breaking technologies clearly and precisely.

Fundamentals of Fluid Lubrication - Bernard J. Hamrock 1991

Interim Measures in International Commercial

Arbitration - Ajar Rab
2022-08-09

Interim measures by courts as well as tribunals are often critical to succeed in arbitration proceedings and to effectively safeguard the rights of parties pending the final adjudication of their dispute. This important book comprises a comprehensive review of interim measures in international commercial arbitration granted by courts and tribunals across jurisdictions that have adopted the UNCITRAL Model Law to critically assess the practical fault lines in the Indian arbitration regime. The book provides an in-depth analysis of the following: all reported judgments of the Indian Supreme Court and the High Courts from 1993 to 2022 on issues concerning interim measures; practical

application of the UNCITRAL Model Law (and the revisions in 2006) by national arbitration statutes of over 80 jurisdictions with respect to interim measures; comparative practice and jurisprudence on interim measures in international commercial arbitration; rules of major arbitral institutions on the power and scope of interim measures granted by tribunals; detailed analysis of different types of interim measures, including anti-suit, anti-arbitration injunctions, security for costs, and interim measures in aid of foreign-seated arbitrations, the standards to be applied, and the burden of proof to be demonstrated for each type of measure; and issues of enforcement of interim measures in domestic,

international, and foreign seated arbitrations. The current position of law in India and the problems plaguing the country's Arbitration and Conciliation Act 1996 (IAA), as amended in 2015 with respect to interim measures, are brought into direct comparison with other Model Law jurisdictions, offering an analysis of case laws, practical insights and cogent suggestions based on best practices that can be adopted by parties and tribunals. The Appendices provide a detailed list of statutory provisions of countries that have adopted the Model Law along with rules of major arbitral institutions on interim measures. The author not only describes the current position of law in India and other Model Law jurisdictions on

interim measures but also reveals a comprehensive understanding of the requests for interim measures, and their enforcement in domestic, international, and foreign seated arbitrations. This book engages in a comprehensive and clear discussion on the fine line between court assistance and court intervention, especially in the case of interim measures and suggests draft provisions that India and other jurisdictions can adopt in order to align with the 2006 revisions to the Model Law to foster certainty, predictability, and efficiency in case of interim measures in international commercial arbitration.

Full Life Cycle API Management Standard Requirements - Gerardus Blokdyk 2018-09-14

What are all of our Full Life Cycle API Management domains and what do they do? How to Secure Full Life Cycle API Management? What are the rough order estimates on cost savings/opportunities that Full Life Cycle API Management brings? Full Life Cycle API Management in management -Strategic planning What is the purpose of Full Life Cycle API Management in relation to the mission? Defining, designing, creating, and implementing a process to solve a challenge or meet an objective is the most valuable role... In EVERY group, company, organization and department. Unless you are talking a one-time, single-use project, there should be a process. Whether that process is managed and implemented by humans, AI, or a combination of

the two, it needs to be designed by someone with a complex enough perspective to ask the right questions. Someone capable of asking the right questions and step back and say, 'What are we really trying to accomplish here? And is there a different way to look at it?' This Self-Assessment empowers people to do just that - whether their title is entrepreneur, manager, consultant, (Vice-)President, CxO etc... - they are the people who rule the future. They are the person who asks the right questions to make Full Life Cycle API Management investments work better. This Full Life Cycle API Management All-Inclusive Self-Assessment enables You to be that person. All the tools you need to an in-depth Full Life Cycle API Management Self-Assessment. Featuring 676 new and

updated case-based questions, organized into seven core areas of process design, this Self-Assessment will help you identify areas in which Full Life Cycle API Management improvements can be made. In using the questions you will be better able to: - diagnose Full Life Cycle API Management projects, initiatives, organizations, businesses and processes using accepted diagnostic standards and practices - implement evidence-based best practice strategies aligned with overall goals - integrate recent advances in Full Life Cycle API Management and process design strategies into practice according to best practice guidelines Using a Self-Assessment tool known as the Full Life Cycle API Management Scorecard,

you will develop a clear picture of which Full Life Cycle API Management areas need attention. Your purchase includes access details to the Full Life Cycle API Management self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. You will receive the following contents with New and Updated specific criteria: - The latest quick edition of the book in PDF - The latest complete edition of the book in PDF, which criteria correspond to the criteria in... - The Self-Assessment Excel Dashboard, and... - Example pre-filled Self-Assessment Excel Dashboard to get familiar with results generation ...plus an extra, special, resource that helps you with

project managing. INCLUDES LIFETIME SELF ASSESSMENT UPDATES Every self assessment comes with Lifetime Updates and Lifetime Free Updated Books. Lifetime Updates is an industry-first feature which allows you to receive verified self assessment updates, ensuring you always have the most accurate information at your fingertips.

Rules of Thumb for Mechanical Engineers - J. Edward Pope 1997
Fluids -- Heat transfer -- Thermodynamics -- Mechanical seals -- Pumps and compressors -- Drivers -- Gears -- Bearings -- Piping and pressure vessels -- Tribology -- Vibration -
- Materials -- Stress and strain -- Fatigue -- Instrumentation -- Engineering economics.

The Book of Nothing - John D. Barrow
2009-05-20
What conceptual blind

spot kept the ancient Greeks (unlike the Indians and Maya) from developing a concept of zero? Why did St. Augustine equate nothingness with the Devil? What tortuous means did 17th-century scientists employ in their attempts to create a vacuum? And why do contemporary quantum physicists believe that the void is actually seething with subatomic activity? You'll find the answers in this dizzyingly erudite and elegantly explained book by the English

cosmologist John D. Barrow. Ranging through mathematics, theology, philosophy, literature, particle physics, and cosmology, *The Book of Nothing* explores the enduring hold that vacuity has exercised on the human imagination. Combining high-wire speculation with a wealth of reference that takes in Freddy Mercury and Shakespeare alongside Isaac Newton, Albert Einstein, and Stephen Hawking, the result is a fascinating excursion to the vanishing point of our knowledge.