Engineering Science N3 Textbook

This textbook provides an introduction to some fundamental concepts in Discrete Mathematics and the important role this subject plays in computer science. Every topic in this book has been started with necessary introduction and developed gradually up to the standard form. The book lays emphasis on the applicability of Mathematical structures to computer science. The content of this book is well supported with numerous solved examples with detailed explanation Types and Properties of Water in two volumes is a component of Encyclopedia of Water Sciences, Engineering and Technology Resources in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. These volumes deal with different parts of the hydrosphere and features of water as substance in its three phases. Natural water is one of the most important substances for the maintenance of life on our planet. The main part of the Earth's water is concentrated in the hydrosphere (oceans, lakes, streams, underground water), and in the cryosphere (all the snow and ice). The atmosphere and living organisms also contain water, but in minor quantities as compared to the whole hydrosphere. Several types of water are in the Nature: atmospheric water, water in oceans, seas, coastal zones, and estuaries; in rivers, reservoirs, lakes and wetlands; groundwater including soil waters; glaciers, icebergs, and ground ice (permafrost). This set of volumes is designed to be a very authoritative reference for state-of-the-art knowledge on the various aspects such as: Characteristics of Water and Water Bodies in the Natural Environment; Properties of Atmospheric Water; Properties of Oceans, Inland Seas, Coastal Zones, and Estuaries; Properties of Rivers, Streams, Lakes and Wetlands; Properties of Soil Water and Groundwater; Properties Of Glacial, Iceberg And Permafrost Water. These two volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.
Engineering Science N3New SyllabusEngineering ScienceN3 Engineering ScienceThe Easy WayEngineering ScienceHydraulic Power Plants: A Textbook for Engineering StudentsBentham Science Publishers
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Over 220,000 entries representing some 56,000 Library of Congress subject headings. Covers all disciplines of science and technology, e.g., engineering, agriculture, and domestic arts. Also contains at least 5000 titles published before 1876. Has many applications in libraries, information centers, and other organizations concerned with scientific and technological literature. Subject index contains main listing of entries. Each entry gives cataloging as prepared by the Library of Congress. Author/title indexes.
Includes no. 53a: British wartime books for young people.
First multi-year cumulation covers six years: 1965-70.
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Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database.
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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
This book constitutes the proceedings of the 41st International Conference on Current Trends in Theory and Practice of Computer Science held in Pec pod Sn?žkou, Czech

Republic, during January 24-29, 2015. The book features 8 invited talks and 42 regular papers which were carefully reviewed and selected from 101 submissions. The papers are organized in topical sections named: foundations of computer science; software and Web engineering; data, information, and knowledge engineering; and cryptography, security, and verification.

The aim of this book is to show how to convert the systemic view into systems science by following the method of conventional science so as to model aspects of the immense variety and diversity of objects (natural, technical, living, human and their conceivable combinations) and their activities.

For decades, Henry Morris has been known as a defender of the Christian faith. It's an auspicious title for such a humble man, yet no one can deny that the grasp Morris has on science and faith issues is staggering. In this updated classic, Morris walks the reader through history "real history" by showing the absurdity of evolution. From a wide variety of sciences, including astronomy, biology, chemistry, physics, and geology, Morris presents clear evidence that the Bible gives us an astonishingly accurate record of the past, present, and future.

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Literature cited in AGRICOLA, Dissertations abstracts international, ERIC, ABI/INFORM, MEDLARS, NTIS, Psychological abstracts, and Sociological abstracts. Selection focuses on education, legal aspects, career aspects, sex differences, lifestyle, and health. Common format (bibliographical information, descriptors, and abstracts) and ERIC subject terms used throughout. Contains order information. Subject, author indexes.

Issues for 1973- cover the entire IEEE technical literature.

Hydraulic Power Plants is a textbook for engineering students which explains the construction of hydraulic power plants. The book presents the theory of the working process for each part, i.e. the kinematics and molecular dynamics of liquids flowing through hydraulic machines and systems. The information is presented in a simple manner necessary for understanding their operational conditions and basic numerical relationships. The chapters explain concepts with several drawings and charts to aid the reader, along with relevant specifications, working examples and solved problems, which can be applied in designing practice and maintenance of hydroelectric power plants, pumping stations and pump installations. Hydraulic Power Plants emphasizes the need of young engineers to acquire knowledge about efficiency in using the tools for the study and design for components of hydraulic power plants such as turbines, pumps and penstocks in a straightforward format, making it an ideal reference for introductory hydraulics and mechanical engineering courses.

Publisher Description