Data Abstraction And Problem Solving 6th Edition

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McGraw-Hill Concise Encyclopedia of Science and Technology, Sixth Edition McGraw-Hill Education 2009-06-10 Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. A major revision of this classic encyclopedia covering all areas of science and technology, the McGraw-Hill Concise Encyclopedia of Science and Technology, Sixth Edition, is prepared for students, professionals, and general readers seeking concise yet authoritative overviews of topics in all major fields in science and technology. The McGraw-Hill Concise Encyclopedia of Science and Technology, Sixth Edition, satisfies the needs of readers for an authoritative, comprehensive reference work in a relatively compact format that provides the breadth of coverage of the McGraw-Hill Encyclopedia of Science & Technology, 10th Edition. Written in clear, nonspecialist language understandable to students and general readers, yet with sufficient depth for scientists, educators, and researchers, this definitive resource provides: 7100 concise articles covering disciplines of science and technology from acoustics to zoology Extensively revised content with new and rewritten articles Current and critical advances in fast-developing fields such as biomedical science, chemistry, computing and information technology, cosmology, environmental science, nanotechnology, telecommunications, and physics More than 1600 two-color illustrations 75 full-color plates Hundreds of tables and charts 1300 biographical sketches of famous scientists Index containing 30,000 entries Cross references to related articles Appendices including bibliographies and useful data McGraw-Hill Professional science reference products are supported by MHEST.com, a website offering updates to articles, periodic special features on important scientific topics, multimedia content, and other features enriching the reader's experience. We encourage readers to visit the site often. Fields Covered Include: Acoustics Aeronautics Agriculture Anthropology Archeology Astronomy Biochemistry Biology Chemistry Computers Cosmology Earth Science Engineering Environmental Science Forensic Science Forestry Genetics Geography Immunology Information Science Materials Science Mathematics Medicine and Pathology Meteorology and Climate Science Microbiology Nanotechnology Navigation Neuroscience Oceanography Paleontology Physics Physiology Psychiatry Psychology Telecommunications Theoretical Physics Thermodynamics Veterinary Medicine Virology Zoology

Data Abstraction and Problem Solving with Java Frank M. Carrano 2001 This work focuses on the important concepts of data abstraction and data structures. It also introduces students to java classes along with other basic concepts of object-oriented programming, including inheritance, polymorphism, interfaces and packages.

Readings in Artificial Intelligence and Databases John Mylopoulos 2014-06-28 The interaction of database and AI technologies is crucial to such applications as data mining, active databases, and knowledge-based expert systems. This volume collects the primary readings on the interactions, actual and potential, between these two fields. The editors have chosen articles to balance significant early research and the best and most comprehensive articles from the 1980s. An in-depth introduction discusses basic research motivations, giving a survey of the history, concepts, and terminology of the interaction. Major themes, approaches and results, open issues and future directions are all discussed, including the results of a major survey conducted by the editors of current work in industry and research labs. Thirteen sections follow, each with a short introduction. Topics examined include semantic data models with emphasis on conceptual modeling techniques for databases and information systems and the integration of data model concepts in high-level data languages, definition and maintenance of integrity constraints in databases and knowledge bases, natural language front ends, object-oriented database management systems, implementation issues such as concurrency control and error recovery, and representation of time and knowledge incompleteness from the viewpoints of databases, logic programming, and AI.

C++ Programming: Program Design Including Data Structures D. S. Malik 2012-03-19 C++ PROGRAMMING: PROGRAM DESIGN INCLUDING DATA STRUCTURES, Sixth Edition remains the definitive text for the CS1/CS2 course sequence. D.S. Malik's time-tested, student-centered methodology uses a strong focus on problem-solving and full-code examples to vividly demonstrate the how and why of applying programming concepts and utilizing C++ to work through a problem. This new edition includes updated end-of-chapter exercises, new debugging exercises, an earlier introduction to variables and a streamlined discussion of user-discussion of user-defined functions. Malik's text ensures students learn how to apply the C++ programming language, and are motivated to understand the why? behind key C++ concepts. An optional CourseMate brings C++ PROGRAMMING: PROGRAM DESIGN INCLUDING DATA STRUCTURES to life with interactive study tools including videos, quizzing, flashcards, and games. The CourseMate's digital Lab Manual offers additional hands-on exercises, allowing students to reinforce critical thinking through practice. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Logic for Problem Solving Robert Kowalski 1979 Investigates the application of logic to problem solving and computer programming. Requires no previous knowledge in this field, and therefore can be used as an introduction to logic, the theory of problem-solving and computer programming. Annotation copyrighted by Book News, Inc., Portland, OR

Algorithm Handbook Mark Thompson

Oracle PL/SQL Programmierung Steven Feuerstein 2003

Data Abstraction and Problem Solving with Java Frank M. Carrano 2006 The Second Edition of Data Abstraction and Problem Solving with Java: Walls and Mirrors presents fundamental problem-solving and object-oriented programming skills by focusing on data abstraction (the walls) and recursion (the mirrors). It is fully revised to use the latest version of the Java programming language (Java 5.0). Java 5.0 is particularly well suited for presenting object-oriented programming, and helps enhance this edition's increased focus on object-oriented programming and data abstraction. Clear, accessible writing is complemented by a pedagogically rich presentation throughout this textbook.

Developmental Science Marc H. Bornstein 2010-10-04 Noted as one of the most comprehensive textbooks in the field, Developmental Science, 6th Edition introduces readers to all of areas in developmental psychology: neuroscience, genetics, perception, cognition, language, emotion, self, and social interaction. Each of the world-renowned contributors masterfully introduces the history and systems, methodologies,

and measurement and analytic techniques used to understand the area of human development under review. The relevance of the field is illustrated through engaging applications in each chapter. As a whole, this highly-respected text illuminates substantive phenomena in developmental science, its applications across the life span, and its relevance to everyday life. Each chapter has been substantially revised for this new edition to reflect the current state of the field and the new edition is now accompanied by a website. Students and instructors will find chapter outlines, topics to think about before reading the chapters, a glossary, and suggested readings with active reference links on the website. Electronic access to the text's figures and tables, suggestions for classroom assignments and/or discussion, and a test bank with multiple-choice, short answer, and essay questions is limited to instructors only. Two new chapters highlight many modern developments. Each chapter features an introduction, up-to-date overviews of the field, summary and conclusion, and numerous classical and contemporary references. The book opens with an overview of developmental science -- its history and theory, the cultural orientation to thinking about human development, and the manner in which empirical research is designed, conducted, and analyzed. Part 2 focuses on the field's major substantive areas: neuroscience and genetics, physical and motor skills, perception, and cognitive and language development. Part 3 examines personality and social development within the context of the various relationships and situations in which developing individuals function and by which they are shaped. The book concludes with a new chapter on the latest applications of developmental science. Ways in which developmental thinking and research affect and are affected by practice and social policy are particularly emphasized. Used primarily as a graduate level text for courses on developmental psychology/science, life span, and/or human development, the book can also be used at the advanced undergraduate level. Researchers interested in staying abreast of the latest developments in the field also appreciate the book's comprehensive nature.

Data Abstraction and Problem Solving with C++ Frank M. Carrano 2016-02-26 For courses in C++ Data Structures Concepts of Data Abstraction and Manipulation for C++ Programmers The Seventh Edition of Data Abstraction & Problem Solving with C++: Walls and Mirrors introduces fundamental computer science concepts related to the study of data structures. The text Explores problem solving and the efficient access and manipulation of data and is intended for readers who already have a basic understanding of C++. The "walls and mirrors" mentioned in the title represent problem-solving techniques that appear throughout the text. Data abstraction hides the details of a module from the rest of the program, whereas recursion is a repetitive technique that solves a problem by solving smaller versions of the same problems, much as images in facing mirrors grow smaller with each reflection. Along with general changes to improve clarity and correctness, this Seventh Edition includes new notes, programming tips, and sample problems.

Proceedings of Sixth International Conference on Soft Computing for Problem Solving Kusum Deep 2017-04-12 This two-volume book gathers the proceedings of the Sixth International Conference on Soft Computing for Problem Solving (SocProS 2016), offering a collection of research papers presented during the conference at Thapar University, Patiala, India. Providing a veritable treasure trove for scientists and researchers working in the field of soft computing, it highlights the latest developments in the broad area of "Computational Intelligence" and explores both theoretical and practical aspects using fuzzy logic, artificial neural networks, evolutionary algorithms, swarm intelligence, soft computing, computational intelligence, etc.

Cumulative Book Index 1998 A world list of books in the English language.

Rechnerorganisation und Rechnerentwurf David Patterson 2016-05-24 Mit der deutschen Übersetzung zur fünfter Auflage des amerikanischen Klassikers Computer Organization and Design - The Hardware/Software Interface ist das Standardwerk zur Rechnerorganisation wieder auf dem neusten Stand - David A. Patterson und John L. Hennessy gewähren die gewohnten Einblicke in das Zusammenwirken von Hard- und Software, Leistungseinschätzungen und zahlreicher Rechnerkonzepte in einer Tiefe, die zusammen mit klarer Didaktik und einer eher lockeren Sprache den Erfolg dieses weltweit anerkannten Standardwerks begründen. Patterson und Hennessy achten darauf, nicht nur auf das "Wie" der dargestellten Konzepte, sondern auch auf ihr "Warum" einzugehen und zeigen damit Gründe für Veränderungen und neue Entwicklungen auf. Jedes der Kapitel steht für einen deutlich umrissenen Teilbereich der Rechnerorganisation und ist jeweils gleich aufgebaut: Eine Einleitung, gefolgt von immer tiefgreifenderen Grundkonzepten mit steigernder Komplexität. Darauf eine aktuelle Fallstudie, "Fallstricke und Fehlschlüsse", Zusammenfassung und Schlussbetrachtung, historische Perspektiven und Literaturhinweise sowie Aufgaben. In der neuen Auflage sind die Inhalte in den Kapiteln 1-5 an vielen Stellen punktuell verbessert und aktualisiert, mit der Vorstellung neuerer Prozessoren worden, und der Kapitel 6... from Client to Cloud wurde stark überarbeitetUmfangreiches Zusatzmaterial (Werkzeuge mit Tutorien etc.) stehtOnline zur Verfügung.

Problem Solving, Abstraction, Design Using C++ Frank L. Friedman 2000 This revision of the classic Problem Solving, Abstraction, and Design Using C++ presents, and then reinforces, the basic principles of software engineering and object-oriented programming while introducing the C++ programming language. One of the hallmarks of this book is the focus on program design Professors Frank Friedman and Elliot Koffman present a Software Development Method in Chapter 1 that is revisited in the Case Studies throughout the book. This book carefully presents object-oriented programming by balancing it with procedural programming so the reader does not overlook the fundamentals of algorithm organization and design. Object-oriented concepts are presented via an overview in Chapter 1 and then demonstrated with the use of the standard string and iostream classes and a user-defined money class throughout the early chapters. Chapter 10 shows how to write your own classes and chapter 11 shows how to write template classes. The presentation of classes is flexible and writing classes can be covered earlier if desired.

Problem Solving, Abstraction, and Design Using C++ Frank L. Friedman 1994 Using C++, this book presents introductory programming material. Only the features of C++ that are appropriate to introductory concepts are introduced. Object-oriented concepts are presented. Abstraction is stressed throughout the book and pointers are presented in a gradual and gentle fashion for easier learning.

Forthcoming Books Rose Arny 2003

Obsession Lennard J. Davis 2009-05-15 We live in an age of obsession. Not only are we hopelessly devoted to our work, strangely addicted to our favorite television shows, and desperately impassioned about our cars, we admire obsession in others: we demand that lovers be infatuated with one another in films, we respond to the passion of single-minded musicians, we cheer on driven athletes. To be obsessive is to be American; to be obsessive is to be modern. But obsession is not only a phenomenon of modern existence: it is a medical category—both a pathology and a goal. Behind this paradox lies a fascinating history, which Lennard J. Davis tells in Obsession. Beginning with the roots of the disease in demonic possession and its secular successors, Davis traces the evolution of obsessive behavior from a social and religious fact of life into a medical and psychiatric problem. From obsessive aspects of professional specialization to obsessive compulsive disorder and nymphomania, no variety of obsession eludes Davis's graceful analysis.

Oswaal ISC Question Bank Class 11 Computer Science Book Chapterwise & Topicwise (For 2023 Exam) Oswaal Editorial Board 2022-05-28 • Strictly as per the latest syllabus for Board 2023 Exam. • Includes Questions of the both -Objective & Subjective Types Questions • Chapterwise and Topicwise Revision Notes for in-depth study • Modified & Empowered Mind Maps & Mnemonics(Only PCMB) for quick learning • Unit wise Self -Assessment Tests • Concept videos for blended learning • Previous Years' Examination Questions and Answers with detailed explanation to facilitate exam-oriented preparation. • Commonly made error & Answering Tips to aid in exam preparation. • Includes Academically important Questions (AI)

Problem Solving, Abstraction, and Design Using C++ Frank L. Friedman 2011 Problem Solving, Abstraction, and Design Using C++ presents and reinforces basic principles of software engineering design and object-oriented programming concepts while introducing the C++ programming language. The hallmark feature of this book is the Software Development Method that is introduced in the first chapter and carried

throughout in the case studies presented.

Progress in Artificial Intelligence — IBERAMIA 98 Helder Coelho 2003-07-31 When in October 1996 in Cholula (Puebla, Mexico), I took charge of organizing the scienti?c program of the next Ibero-American Congress on Arti?cial Intel- gence (IBERAMIA 98) I bet on a couple of ideas. First, I adopted the spirit of the Portuguese adventurers to get the Sixth Congress on a truly international track. In order to attain this aim I needed to convince everybody that the Ibero- American AI community had improved over the years and attained a very good level in what concerns individuals. Second, I brought my colleagues beside me so that we were able to collect su?cient excellent papers without destroying the pioneering spirit of those who ?rst inaugurated the Congress. Getting together to ?nd out what is in progress in the vast region in which Latin languages (P- tuguese and Spanish) are spoken, attracting others to exchange ideas with us, and by doing this advancing AI in general, is a risky untertaking. This book is the result, and it sets a new standard to be discussed by all of us. IBERAMIA was established in 1988 (Barcelona) by three Ibero-American AI Associations (AEPIA from Spain, SMIA from Mexico, and APPIA from Por- gal), after a ?rst meeting in Morelia (Mexico) in 1986 of SMIA and AEPIA.

Data Abstraction & Problem Solving with C++ Frank M. Carrano 2007 The classic, best-selling Data Abstraction and Problem Solving with C++: Walls and Mirrors book provides a firm foundation in data abstraction that emphasizes the distinction between specifications and implementation as the basis for an object-oriented approach. This new edition offers the latest C++ features and an introduction to using Doxygen——a documentation generator for C++, enhanced coverage of Software Engineering concepts and additional UML diagrams. Frank's Making it Real blog http://frank-m-carrano.com/blog/ extends his textbooks and lectures to a lively discussion with instructors and students about teaching and learning computer science. Follow Frank on Twitter: http://twitter.com/Frank_M_Carrano Find him on Facebook: https://www.facebook.com/makingitreal

Resources in Education 1998

Management Basics for Information Professionals, Third Edition G. Edward Evans 2013 Reflecting the rapidly changing information services environment, the third edition of this bestselling title offers updates and a broader scope to make it an even more comprehensive introduction to library management. Addressing the basic skills good library managers must exercise throughout their careers, this edition includes a completely new chapter on management ethics. Evans and Alire also pay close attention to management in "new normal" straitened economic conditions and offer updates on technological topics like social media. Among the areas covered are The managerial environment, including organizational skill sets, the importance of a people-friendly organization, and legal issues Managerial skills such as planning, accountability, trust and delegation, decision making, principles of effective organizational communication, fostering change and innovation, quality control, and marketing Key points on leadership, team-building, and human resource management Budget, resource, and technology management Why ethics matter Tips for planning a library career, with a look at the work/life debate

American Book Publishing Record 2006

Programming and Problem Solving with C++ Nell B. Dale 2014 The best-selling Programming and Problem Solving with C++, now in it's Sixth Edition, remains the clearest introduction to C++, object-oriented programming, and software development available. Renowned author team Nell Dale and Chip Weems are careful to include all topics and guidelines put forth by the ACM/IEEE to make this text ideal for the one- or two-term CS1 course. Their philosophy centers on making the difficult concepts of computer science programming accessible to all students, while maintaining the breadth of detail and topics covered. Key Features: -The coverage of advanced object-oriented design and data structures has been moved to later in the text. -Provides the highly successful concise and student-friendly writing style that is a trademark for the Dale/Weems textbook series in computer science. -Introduces C++ language constructs in parallel with the appropriate theory so students see and understand its practical application. -Strong pedagogical elements, a hallmark feature of Dale/Weems' successful hands-on teaching approach, include Software Maintenance case studies, Problem-Solving case studies, Testing & Debugging exercises, Exam Preparation exercises, Programming Warm-up exercises, Programming Problems, Demonstration Projects, and Quick Check exercises. -A complete package of student and instructor resources include a student companion website containing all the source code for the programs and exercises in the text, additional appendices with C++ reference material and further discussion of topics from the text, and a complete digital lab manual in C++. Instructors are provided all the solutions to the exercises in the text, the source code, a Test Bank, and PowerPoint Lecture Outlines organized by chapter.

Cluster Analysis in Neuropsychological Research Daniel N. Allen 2014-07-08 ?? ?Cluster analysis is a multivariate classification technique that allows for identification of homogenous subgroups within diverse samples based on shared characteristics. In recent years, cluster analysis has been increasingly applied to psychological and neuropsychological variables to address a number of empirical questions. This book provides an overview of cluster analysis, including statistical and methodological considerations in its application to neurobehavioral variables. First, an introduction to cluster analysis is presented that emphasizes issues of relevance to neuropsychological research, including controversies surrounding it use. Cluster analysis is then applied to clinical disorders that do not have an associated prototypical neuropsychological profile, including traumatic brain injury, schizophrenia, and health problems associated with homelessness. In a second application, cluster analysis is used to investigate the course of normal memory development. Finally, cluster analysis is applied to classification of brain injury severity in children and adolescents who sustained traumatic brain injury.

The British National Bibliography Arthur James Wells 2006

Oswaal ISC Sample Question Paper Class 11 Computer Science Book (For 2022 Exam) Oswaal Editorial Board 2021-12-14 • 10 Sample Papers in each subject. 5 solved & 5 Self-Assessment Papers • All latest typologies Questions. • On-Tips Notes & Revision Notes for Quick Revision • Mind Maps for better learning

Essentials of Nursing Informatics, 6th Edition Virginia K. Saba 2015-02-22 Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Discover how technology can improve patient care -- and enhance every aspect of a nurse's job performance, education, and career A Doody's Core Title for 2017! Written by leaders in nursing informatics, this comprehensive up-to-date text helps you understand how informatics can enhance every aspect of the nursing profession. This edition of Essentials of Nursing Informatics is highlighted by an outstanding team of international contributors and content that reflects the very latest concepts, technologies, policies, and required skills. Numerous case studies take the book beyond theory and add real-world relevance to the material. Essentials of Nursing Informatics is logically divided into ten sections edited by leading nurse informaticists: Nursing Informatics Technologies (Jacqueline Ann Moss) System Life Cycle (Virginia K. Saba) Informatics Theory Standards/Foundations of Nursing Informatics (Virginia K. Saba) Nursing Informatics Leadership (Kathleen Smith) Advanced Nursing Informatics in Practice (Gail E. Latimer) Nursing Informatics/Complex Applications (Kathleen A. McCormick) Educational Applications (Diane J. Skiba) Research Applications (Virginia K. Saba) Big Data Initiatives (Kathleen A. McCormick) International Perspectives (Susan K. Newbold) Essentials of Nursing Informatics is the best single resource for learning how technology can make the nursing experience as rewarding and successful as possible. New Feature! The 6th Edition introduces an online faculty resource to supplement classroom teaching, offering instructors PowerPoints with concise chapter outlines, learning objectives, key words, and explanatory illustrations and tables. To request Instructor PowerPoint slides: Visit www.EssentialsofNursingInformatics.com and under the "Downloads and Resources tab," click "Request PowerPoint" to access the PowerPoint request form. Also, for the first time, a companion study guide for the 6th Edition is available separately from McGraw-Hill (Essentials of Nursing Informatics Study Guide/ISBN: 978-007-184-5892; edited by Julianne Brixey, Jack Brixey, Virginia K. Saba, and Kathleen A. McCormick), presenting teaching modules for all major chapters, with content outlines, teaching

tips, class preparation ideas, review questions, answer explanations, and online PowerPoint slides to aid understanding and retention of all major concepts covered in Essentials of Nursing Informatics, 6th Edition.

Health Assessment in Nursing Janet R. Weber 2013-11-14 Innovative, systematic, and user-friendly, Health Assessment in Nursing has been acclaimed through four previous editions for the way it successfully helps RN-level students develop the comprehensive knowledge base and expert nursing assessment skills necessary for accurate collection of client data. Maintaining the text's hallmarks—in-depth, accurate information, a compelling Continuing Case Study, and practical tools that help students develop the skills they need to collect both subjective and objective data—the Fifth Edition now features an exciting array of new chapters, a greater focus on diversity and health assessment through the lifespan, over 150 new illustrations, more than 300 new photos of actual registered nurses and nurse pratitioners performing assessments, and an expanded array of teaching and learning tools.

Data Abstraction and Problem Solving with C++ Frank M. Carrano 2002 This classic book has been revised to further enhance its focus on data abstraction and data structures using C++. The book continues to provide a firm foundation in data abstraction, emphasizing the distinction between specification and implementation as the foundation for an object-oriented approach. The authors cover key object-oriented concepts, including encapsulation, inheritance and polymorphism. However, the focus remains on data abstraction instead of simply C++ syntax. The authors also illustrate the role of classes and ADTs in the problem-solving process, and includes major applications of ADTs, such as searching a flight map and event-driven simulation. The book offers early, extensive coverage of recursion and uses this technique in many examples and exercises. It also introduces analysis of algorithms and the Big 'O' notation. In addition, this text reviews, in an appendix, basic C++ syntax for those who either have studied the language previously or are making the transition from another language to C++.

Conference Proceedings. New Perspectives in Science Education Pixel 2017

C++ Plus Data Structures Dale 2016-08-24 Nell Dale's C++ Plus Data Structures, Sixth Edition explores the specifications, applications, and implementations of abstract data types. Topics covered include modularization, data encapsulation, information hiding, object-oriented decomposition, algorithm analysis, and more.

Concise Encyclopedia of Computer Science Edwin D. Reilly 2004-09-03 The Concise Encyclopedia of Computer Science has been adapted from the full Fourth Edition to meet the needs of students, teachers and professional computer users in science and industry. As an ideal desktop reference, it contains shorter versions of 60% of the articles found in the Fourth Edition, putting computer knowledge at your fingertips. Organised to work for you, it has several features that make it an invaluable and accessible reference. These include: Cross references to closely related articles to ensure that you don't miss relevant information Appendices covering abbreviations and acronyms, notation and units, and a timeline of significant milestones in computing have been included to ensure that you get the most from the book. A comprehensive index containing article titles, names of persons cited, references to sub-categories and important words in general usage, guarantees that you can easily find the information you need. Classification of articles around the following nine main themes allows you to follow a self study regime in a particular area: Hardware Computer Systems Information and Data Software Mathematics of Computing Theory of Computation Methodologies Applications Computing Milieux. Presenting a wide ranging perspective on the key concepts and developments that define the discipline, the Concise Encyclopedia of Computer Science is a valuable reference for all computer users.

The Cognitive Neurosciences, sixth edition David Poeppel 2020-04-21 The sixth edition of the foundational reference on cognitive neuroscience, with entirely new material that covers the latest research, experimental approaches, and measurement methodologies. Each edition of this classic reference has proved to be a benchmark in the developing field of cognitive neuroscience. The sixth edition of The Cognitive Neurosciences continues to chart new directions in the study of the biological underpinnings of complex cognition—the relationship between the structural and physiological mechanisms of the nervous system and the psychological reality of the mind. It offers entirely new material, reflecting recent advances in the field, covering the latest research, experimental approaches, and measurement methodologies. This sixth edition treats such foundational topics as memory, attention, and language, as well as other areas, including computational models of cognition, reward and decision making, social neuroscience, scientific ethics, and methods advances. Over the last twenty-five years, the cognitive neurosciences have seen the development of sophisticated tools and methods, including computational approaches that generate enormous data sets. This volume deploys these exciting new instruments but also emphasizes the value of theory, behavior, observation, and other time-tested scientific habits. Section editors Sarah-Jayne Blakemore and Ulman Lindenberger, Kalanit Grill-Spector and Maria Chait, Tomás Ryan and Charan Ranganath, Sabine Kastner and Steven Luck, Stanislas Dehaene and Josh McDermott, Rich Ivry and John Krakauer, Daphna Shohamy and Wolfram Schultz, Danielle Bassett and Nikolaus Kriegeskorte, Marina Bedny and Alfonso Caramazza, Liina Pylkkänen and Karen Emmorey, Mauricio Delgado and Elizabeth Phelps, Anjan Chatterjee and Adina Roskies

Data Abstraction and Problem Solving with C++ Frank M. Carrano 2005 Designed for a second course in computer science, this textbook introduces the data abstraction technique for building walls between a program and its data structures, and presents various abstract data types and their implementations as C++ classes. The author evaluates the advantages and disadvantages of array-based and pointer-based data structures, and explains the concepts behind recursion, inheritance, polymorphism, algorithm efficiency, and balanced search trees. Annotation : 2004 Book News, Inc., Portland, OR (booknews.com).

Discrete-event Simulation Lawrence M. Leemis 2006 CONTENIDO: Models - Random-number generation - Discrete-event simulation - Statistics - Next-event simulation - Discrete random variables - Continuous random variables - Output analysis - Input modeling - Projects.

Computernetze James F. Kurose 2004

Datenintensive Anwendungen designen Martin Kleppmann 2018-11-26 Daten stehen heute im Mittelpunkt vieler Herausforderungen im Systemdesign. Dabei sind komplexe Fragen wie Skalierbarkeit, Konsistenz, Zuverlässigkeit, Effizienz und Wartbarkeit zu klären. Darüber hinaus verfügen wir über eine überwältigende Vielfalt an Tools, einschließlich relationaler Datenbanken, NoSQL-Datenspeicher, Stream- und Batchprocessing und Message Broker. Aber was verbirgt sich hinter diesen Schlagworten? Und was ist die richtige Wahl für Ihre Anwendung? In diesem praktischen und umfassenden Leitfaden unterstützt Sie der Autor Martin Kleppmann bei der Navigation durch dieses schwierige Terrain, indem er die Vor-und Nachteile verschiedener Technologien zur Verarbeitung und Speicherung von Daten aufzeigt. Software verändert sich ständig, die Grundprinzipien bleiben aber gleich. Mit diesem Buch lernen Softwareentwickler und -architekten, wie sie die Konzepte in der Praxis umsetzen und wie sie Daten in modernen Anwendungen optimal nutzen können. Inspizieren Sie die Systeme, die Sie bereits verwenden, und erfahren Sie, wie Sie sie effektiver nutzen können Treffen Sie fundierte Entscheidungen, indem Sie die Stärken und Schwächen verschiedener Tools kennenlernen Steuern Sie die notwenigen Kompromisse in Bezug auf Konsistenz, Skalierbarkeit, Fehlertoleranz und Komplexität Machen Sie sich vertraut mit dem Stand der Forschung zu verteilten Systemen, auf denen moderne Datenbanken aufbauen Werfen Sie einen Blick hinter die Kulissen der wichtigsten Onlinedienste und lernen Sie von deren Architekturen

All About Maude - A High-Performance Logical Framework Manuel Clavel 2007-07-19 Maude is a language and system based on rewriting logic. In this comprehensive account, you'll discover how Maude and its formal tool environment can be used in three mutually reinforcing ways: as a declarative programming language, as an executable formal specification language, and as a formal verification system. Examples

used throughout the book illustrate key concepts, features, and the many practical uses of Maude.