

Inside Ole 2 The Fast Track To Building Powerful Object Oriented Applications Book And 2 Disks Microsoft Press

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People around the world are living longer. For the first time in history, most humans will live to be sixty and beyond. By 2050, the world's population aged 60 and over will reach a total of 2 billion, up from 900 million in 2015. Today, 125 million people are 80 years of age or older. By 2050, there will be 434 million people in this age group worldwide. In addition, the pace of aging of the world population is also increasing. However, there is not enough evidence to show that older people have better health than their parents. While rates of severe disability have declined over the past 30 years (but only in high-income countries), there have been no significant changes in mild to moderate disability over the same period of time. Indeed, the increase in the duration of life (lifespan) does not coincide with the increase in the duration of health (healthspan), that is, the period of life free from serious chronic diseases and disabilities. Therefore, the identification of the factors that predispose to a long and healthy life, as discussed in the papers of this book, is of enormous interest for translational medicine.

These are exciting times for the field of optical imaging of brain function. Rapid developments in theory and technology continue to considerably advance understanding of brain function. Reflecting changes in the field during the past five years, the second edition of *In Vivo Optical Imaging of Brain Function* describes state-of-the-art techniques and their applications for the growing field of functional imaging in the live brain using optical imaging techniques. New in the Second Edition: Voltage-sensitive dyes imaging in awake behaving animals Imaging based on genetically encoded probes Imaging of mitochondrial auto-fluorescence as a tool for cortical mapping Using pH-sensitive dyes for functional mapping Modulated imaging Calcium imaging of neuronal activity using 2-photon microscopy Fourier approach to optical imaging Fully updated chapters from the first edition Leading Authorities Explore the Latest Techniques Updated to reflect continuous development in this emerging research area, this new edition, as with the original, reaches across disciplines to review a variety of non-invasive optical techniques used to study activity in the living brain. Leading authorities from such diverse areas as biophysics, neuroscience, and cognitive science present a host of perspectives that range from a single neuron to large assemblies of millions of neurons, captured at various temporal and spatial resolutions. Introducing techniques that were not available just a few years ago, the authors describe the theory, setup, analytical methods, and examples that highlight the advantages of each particular method.

This book constitutes the refereed proceedings of the 5th International Workshop on Fast Software Encryption, FSE '98, held in Paris, France, in March 1998. The 20 revised full papers presented were carefully reviewed and selected from a total of 39 submissions. The volume is divided in topical sections on cryptanalysis, new stream ciphers, design construction analysis, hash functions, pseudo-random generators, new block ciphers, and modes of operation.

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Defines and explains abbreviations, acronyms, technical terms, and information vocabulary.

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.

With contributions by numerous experts

Special Edition Using Optima++ is the essential resource for developers who want to learn about this exciting new Java programming language. The book is a complete reference and an expert guide to practical implementation.

Over the past ten years, object-oriented technology has started to have a significant impact in industry. Despite its many positive aspects, there have been some problems in successfully applying the technology to large projects, and in achieving adequate levels of flexibility and software reuse. Based on the research of the Object Systems Group in Geneva, this book looks at a range of issues, from programming languages and systems through to tools, frameworks and methods. KEY FEATURES: Chapters are self-contained, with the development of ideas moving from programming language design issues to environments and applications. Aware of recent trends, the book examines the development of multimedia systems as an application domain. Up-to-date information on the activities of the Object Systems Group. The authors can be found on the World Wide Web.

Available with WebAssign! Author Theo Koupelis has set the mark for a student-friendly, accessible introductory astronomy text with *In Quest of the Universe*. He has now developed a new text to accommodate those courses that focus mainly on planets and the solar system. Ideal for the one-term course, *In Quest of the Solar System* opens with material essential to the introductory course (gravity, light, telescopes, the sun) and then moves on to focus on key material related to our solar system. Incorporating the rich pedagogy and vibrant art program that have made his earlier books a success, Koupelis' *In Quest of the Solar System* is the clear choice for students making their way through their first astronomy course.

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

This book is literally Object Technology for the uninitiated software developer. It breaks down this complex subject into simple, easy-to-comprehend topics.

Conference on Cryptologic Research, CRYPTO 2020, which was held during August 17–21, 2020. Crypto has traditionally been held at UCSB every year, but due to the COVID-19 pandemic it will be an online event in 2020. The 85 papers presented in the proceedings were carefully reviewed and selected from a total of 371 submissions. They were organized in topical sections as follows: Part I: Security Models; Symmetric and Real World Cryptography; Hardware Security and Leakage Resilience; Outsourced encryption; Constructions. Part II: Public Key Cryptanalysis; Lattice Algorithms and Cryptanalysis; Lattice-based and Post Quantum Cryptography; Multi-Party Computation. Part III: Multi-Party Computation; Secret Sharing; Cryptanalysis; Delay functions; Zero Knowledge.

The three-volume set, LNCS 11692, LNCS 11693, and LNCS 11694, constitutes the refereed proceedings of the 39th Annual International Cryptology Conference, CRYPTO 2019, held in Santa Barbara, CA, USA, in August 2019. The 81

revised full papers presented were carefully reviewed and selected from 378 submissions. The papers are organized in the following topical sections: Part I: Award papers; lattice-based ZK; symmetric cryptography; mathematical cryptanalysis; proofs of storage; non-malleable codes; SNARKs and blockchains; homomorphic cryptography; leakage models and key reuse. Part II: MPC communication complexity; symmetric cryptanalysis; (post) quantum cryptography; leakage resilience; memory hard functions and privacy amplification; attribute based encryption; foundations. Part III: Trapdoor functions; zero knowledge I; signatures and messaging; obfuscation; watermarking; secure computation; various topics; zero knowledge II; key exchange and broadcast encryption.

This volume presents the proceedings of the 20th International Workshop on Graph-Theoretic Concepts in Computer Science (WG '94), held in Herrsching, Germany in June 1994. The volume contains 32 thoroughly revised papers selected from 66 submissions and provides an up-to-date snapshot of the research performed in the field. The topics addressed are graph grammars, treewidth, special graph classes, algorithms on graphs, broadcasting and architecture, planar graphs and related problems, and special graph problems.

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