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This Special Issue of Sustainability on "Partnerships for the Sustainable Development Goals (SDGs)" brings together a collection of articles that explore a diverse range of issues and challenges faced by partnership arrangements that seek to support the achievement of the SDGs and the United Nations 2030 Agenda for Sustainable Development. As well as encompassing a diverse range of collaborative forms and themes, and involving a variety of stakeholders, these collaborative initiatives are all notably shaped by the dynamics of the particular contexts in which they operate. These contexts include individual, organizational, sectoral, spatial, and geographical settings. The impact of the COVID-19 pandemic on partnering for the SDGs is also apparent. The interplay between these elements offers a useful global-local context for further inquiry and reflection on how deeper and more meaningful collaborative relationships might be developed to achieve the SDG targets and beyond

Vols. for 1964- have guides and journal lists.

Our intention in this collection is to provide, largely through original writings, an extended account of pi from the dawn of mathematical time to the present. The story of pi reflects the most seminal, the most serious, and sometimes the most whimsical aspects of mathematics. A surprising amount of the most important mathematics and a significant number of the most important mathematicians have contributed to its unfolding directly or otherwise. Pi is one of the few mathematical concepts whose mention evokes a response of recognition and interest in those not concerned professionally with the subject. It has been a part of human culture and the educated imagination for more than twenty-five hundred years. The computation of pi is virtually the only topic from the most ancient stratum of mathematics that is still of serious interest to modern mathematical research. To pursue this topic as it developed throughout the millennia is to follow a thread through the history of mathematics that winds through geometry, analysis and special functions, numerical analysis, algebra, and number theory. It offers a subject that provides mathematicians with examples of many current mathematical techniques as well as a palpable sense of their historical development. Why a Source Book? Few books serve wider potential audiences than does a source book. To our knowledge, there is at present no easy access to the bulk of the material we have collected.

An interdisciplinary framework for managing sustainable agrifood supply chains Supply Chain Management for Sustainable Food Networks provides an up-to-date and interdisciplinary framework for designing and operating sustainable supply chains for agri-food products. Focus is given to decision-making procedures and methodologies enabling policy-makers, managers and practitioners to design and manage effectively sustainable agrifood supply chain networks. Authored by high profile researchers with global expertise in designing and operating sustainable supply chains in the agri-food industry, this book: Features the entire hierarchical decision-making process for managing sustainable agrifood supply chains. Covers knowledge-based farming, management of agricultural wastes, sustainability, green supply chain network design, safety, security and traceability, IT in agrifood supply chains, carbon footprint management, quality management, risk management and policy-making. Explores green supply chain management, sustainable knowledge-based farming, corporate social responsibility, environmental management and emerging trends in agri-food retail supply chain operations. Examines sustainable practices that are unique for agriculture as well as practices that already have been implemented in other industrial sectors such as green logistics and Corporate Social Responsibility (CSR). Supply Chain Management for Sustainable Food Networks provides a useful resource for researchers, practitioners, policy-makers, regulators and C-level executives that deal with strategic decision-making. Post-graduate students in the field of agriculture sciences, engineering, operations management, logistics and supply chain management will also benefit from this book.

Chart Number One is essential to correct and accurate use of nautical charts. More than a chart, it is a book that defines the symbols, abbreviations and terms used on charts. It also provides important information about buoys, light visibility (range) and aids to navigation. This new and improved edition from Paradise Cay is a complete and accurate high quality reproduction of information provided by NOAA and NIMA.

Distributed and Cloud Computing: From Parallel Processing to the Internet of Things offers complete coverage of modern distributed computing technology including clusters, the grid, service-oriented architecture, massively parallel processors, peer-to-peer networking, and cloud computing. It is the first modern, up-to-date distributed systems textbook; it explains how to create high-performance, scalable, reliable systems, exposing the design principles, architecture, and innovative applications of parallel, distributed, and cloud computing systems. Topics covered by this book include: facilitating management, debugging, migration, and disaster recovery through virtualization; clustered systems for research or ecommerce applications; designing systems as web services; and social networking systems using peer-to-peer computing. The principles of cloud computing are discussed using examples from open-source and commercial applications, along with case studies from the leading distributed computing vendors such as Amazon, Microsoft, and Google. Each chapter includes exercises and further reading, with lecture slides and more available online. This book will be ideal for students taking a distributed systems or distributed computing class, as well as for professional system designers and engineers looking for a reference to the latest distributed technologies including cloud, P2P and grid computing. Complete coverage of modern distributed computing technology including clusters, the grid, service-oriented architecture, massively parallel processors, peer-to-peer networking, and cloud computing Includes case studies from the leading distributed computing vendors: Amazon, Microsoft, Google, and more Explains how to use virtualization to facilitate management, debugging, migration, and disaster recovery Designed for undergraduate or graduate students taking a distributed systems course—each chapter includes exercises and further reading, with lecture slides and more available online This package contains *A Visual Guide to Anesthesia Procedures*, *A Visual Guide to Transesophageal Echocardiography*, *A Visual Guide to Regional Anesthesia*, and *A Visual Guide to Crisis Management*. Each manual visually demonstrates common procedures, guidelines, or algorithms and provides simple, effective direction at the point of care. Pocket sized, spiral-bound, and laminated, each manual was created to be carried and used on the floor and in the operating room.

In antiquity and the Middle Ages, memory was a craft, and certain actions and tools were thought to be necessary for its creation and recollection. Until now, however, many of the most important visual and textual sources on the topic have remained untranslated or otherwise difficult to consult. Mary Carruthers and Jan M. Ziolkowski bring together the texts and visual images from the twelfth through the fifteenth centuries that are central to an understanding of memory and memory technique. These sources are now made available for a wider audience of students of medieval and early modern history and culture and readers with an interest in memory, mnemonics, and the synergy of text and image. The art of memory was most importantly associated in the Middle Ages with composition, and those who practiced the craft used it to make new prayers, sermons, pictures, and music. The mixing of visual and verbal media was commonplace throughout medieval cultures: pictures contained visual puns, words were often verbal paintings, and both were used equally as tools for making thoughts. The ability to create pictures in one's own mind was essential to medieval cognitive technique and imagination, and the intensely pictorial and affective qualities of medieval art and literature were generative, creative devices in themselves.

An overview of the context, thought, writings and legacy of John Scottus Eriugena, the most important philosopher and theologian in the Latin West from the death of Boethius until the

thirteenth century.

Updated and revised, this thorough volume provides a selection of the newest methods, as well as some of the basic methods required for a mycobacterial research laboratory. *Mycobacteria Protocols, Third Edition* guides readers through fractionation and analysis of macromolecules, from nucleic acids to proteins, complex lipids, and metabolites. Detailed and comprehensive protocols are provided for protein and lipid/glycolipid analysis using well-established methods; these are now complemented by a metabolomics chapter in which the complement of metabolites can be profiled. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols and tips on troubleshooting and avoiding known pitfalls. Authoritative and up-to-date, *Mycobacteria Protocols, Third Edition* will be a resource both to those working in the field and to newcomers.

Tremendous innovations in electronics and photonics over the past few decades have resulted in the downsizing of transistors in integrated circuits, which are now approaching atomic scales. This will soon result in the creation of a growing knowledge gap between the underlying technology and state-of-the-art electronic device modeling and simulations. This book bridges the gap by presenting cutting-edge research in the computational analysis and mathematical modeling of graphene nanostructures as well as the recent progress on graphene transistors for nanoscale circuits. It inspires and educates fellow circuit designers and students in the field of emerging low-power and high-performance circuit designs based on graphene. While most of the books focus on the synthesis, fabrication, and characterization of graphene, this book shines a light on graphene models and their circuit simulations and applications in photonics. It will serve as a textbook for graduate-level courses in nanoscale electronics and photonics design and appeal to anyone involved in electrical engineering, applied physics, materials science, or nanotechnology research.

Starting in the early 1970s, a type of programmed cell death called apoptosis began to receive attention. Over the next three decades, research in this area continued at an accelerated rate. In the early 1990s, a second type of programmed cell death, autophagy, came into focus. Autophagy has been studied in mammalian cells for many years. The recent

A multidisciplinary index covering the journal literature of the arts and humanities. It fully covers 1,144 of the world's leading arts and humanities journals, and it indexes individually selected, relevant items from over 6,800 major science and social science journals.

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