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The Laplacian on a Riemannian Manifold

An Introduction to Analysis on Manifolds

Cambridge University Press This text on analysis of Riemannian manifolds is aimed at students who have had a first course in differentiable manifolds.

The Plural Society in the British West Indies

Univ of California Press

What is Social Case Work?

An Introductory Description

Elements of Chemical Reaction Engineering

Pearson Educación "The fourth edition of Elements of Chemical Reaction Engineering is a completely revised version of the book. It combines authoritative coverage of the principles of chemical reaction engineering with an unsurpassed focus on critical thinking and creative problem solving, employing open-ended questions and stressing the Socratic method. Clear and organized, it integrates text, visuals, and computer simulations to help readers solve even the most challenging problems through reasoning, rather than by memorizing equations."--BOOK JACKET.

Advances in Turbulence VII

Proceedings of the Seventh European Turbulence Conference, held in Saint-Jean Cap Ferrat, France, 30 June – 3 July 1998 / Actes de la Septième Conférence Européenne de Turbulence, tenue à Saint-Jean Cap Ferrat, France, 30 Juin – 3 Juillet 1998

Springer Science & Business Media Advances in Turbulence VII contains an overview of the state of turbulence research with some bias towards work done in Europe. It represents an almost complete collection of the invited and contributed papers delivered at the Seventh European Turbulence Conference, sponsored by EUROMECH and ERCOFTAC and organized by the Observatoire de la Côte d'Azur. New high-Reynolds number experiments combined with new techniques of imaging, non-intrusive probing, processing and simulation provide high-quality data which put significant constraints on possible theories. For the first time, it has been shown, for a class of passive scalar problems, why dimensional analysis sometimes gives the wrong answers and how anomalous intermittency corrections can be calculated from first principles. The volume is thus geared towards specialists in the area of flow turbulence who could not attend the conference as well as anybody interested in this rapidly moving field.

6th International Conference on the Conservation of Earthen Architecture

Adobe 90 Preprints

Getty Publications On October 14-19, 1990, the 6th International Conference on the Conservation of Earthen Architecture was held in Las Cruces, New Mexico. Sponsored by the GCI, the Museum of New Mexico State Monuments, ICCROM, CRATerre-EAG, and the National Park Service, under the aegis of US/ICOMOS, the event was organized to promote the exchange of ideas, techniques, and research findings on the conservation of earthen architecture. Presentations at the conference covered a diversity of subjects, including the historic traditions of earthen architecture, conservation and restoration, site preservation, studies in consolidation and seismic mitigation, and examinations of moisture problems, clay chemistry, and microstructures. In discussions that focused on the future, the application of modern technologies and materials to site conservation was urged, as was using scientific knowledge of existing structures in the creation of new, low-cost, earthen architecture housing.

A Brief Practical Guide to Eddy Covariance Flux Measurements

Principles and Workflow Examples for Scientific and Industrial Applications

LI-COR Biosciences This book was written to familiarize beginners with general theoretical principles, requirements, applications, and processing steps of the Eddy Covariance method. It is intended to assist in further understanding the method, and provides references such as textbooks, network guidelines and journal papers. It is also intended to help students and researchers in field deployment of instruments used with the Eddy Covariance method, and to promote its use beyond micrometeorology.

The Role of Ecosystems in Disaster Risk Reduction

United Nations University Press The uptake of ecosystem-based approaches for disaster risk reduction (DRR) is slow, however, despite some success stories. There are multiple reasons for this reluctance: ecosystem management is rarely considered as part of the portfolio of DRR solutions because the environmental and disaster management communities typically work independently from each other; its contribution to DRR is highly undervalued compared to engineered solutions and therefore not given appropriate budget allocations; and there are poor interactions between policymakers and researchers, leading to unclear and sometimes contradictory scientific information on the role of ecosystems for DRR. The aim of this book is to provide an overview of knowledge and practice in this multidisciplinary field of ecosystems management and DRR. The contributors, professionals from the science and disaster management communities around the world, represent state-of-the-art knowledge, practices, and perspectives on the topic.

Algorithms, Complexity Analysis and VLSI Architectures for MPEG-4 Motion Estimation

Springer Science & Business Media MPEG-4 is the multimedia standard for combining interactivity, natural and synthetic digital video, audio and computer-graphics. Typical applications are: internet, video conferencing, mobile videophones, multimedia cooperative work, teleteaching and games. With MPEG-4 the next step from block-based video (ISO/IEC MPEG-1, MPEG-2, CCITT H.261, ITU-T H.263) to arbitrarily-shaped visual objects is taken. This significant step demands a new methodology for system analysis and design to meet the considerably higher flexibility of MPEG-4. Motion estimation is a central part of MPEG-1/2/4 and H.261/H.263 video compression standards and has attracted much attention in research and industry, for the following reasons: it is computationally the most demanding algorithm of a video encoder (about 60-80% of the total computation time), it has a high impact on the visual quality of a video encoder, and it is not standardized, thus being open to competition. Algorithms, Complexity Analysis, and VLSI Architectures for MPEG-4 Motion Estimation covers in detail every single step in the design of a MPEG-1/2/4 or H.261/H.263 compliant video encoder: Fast motion estimation algorithms Complexity analysis tools Detailed complexity analysis of a software implementation of MPEG-4 video Complexity and visual quality analysis of fast motion estimation algorithms within MPEG-4 Design space on motion estimation VLSI architectures Detailed VLSI design examples of (1) a high throughput and (2) a low-power MPEG-4 motion estimator. Algorithms, Complexity Analysis and VLSI Architectures for MPEG-4 Motion Estimation is an important introduction to numerous algorithmic, architectural and system design aspects of the multimedia standard MPEG-4. As such, all researchers, students and practitioners working in image processing, video coding or system and VLSI design will find this book of interest.

The Future Internet

Future Internet Assembly 2011: Achievements and Technological Promises

Springer Irrespective of whether we use economic or societal metrics, the Internet is one of the most important technical infrastructures in existence today. It will be a catalyst for much of our innovation and prosperity in the future. A competitive Europe will require Internet connectivity and services beyond the capabilities offered by current technologies. Future Internet research is therefore a must. This book is published in full compliance with the Open Access publishing initiative; it is based on the research carried out within the Future Internet Assembly (FIA). It contains a sample of representative results from the recent FIA meetings spanning a broad range of topics, all being of crucial importance for the future Internet. The book includes 32 contributions and has been structured into the following sections, each of which is preceded by a short introduction: Foundations: architectural issues; socio-economic issues; security and trust; and experiments and experimental design. Future Internet Areas: networks, services, and content; and applications.

The Worship of Augustus Caesar

Derived from a Study of Coins, Monuments, Calendars, Aeras, and Astronomical and Astrological Cycles, the Whole Establishing a New Chronology and Survey of History and Religion

Mobile Research Methods

Opportunities and challenges of mobile research methodologies

Ubiquity Press Daily activity sees data constantly flowing through cameras, the internet, satellites, radio frequencies, sensors, private appliances, cars, smartphones, tablets and the like. Among all the tools currently used, mobile devices, especially mobile phones, smartphones and tablets, are the most widespread, with their use becoming prevalent in everyday life within both developed and developing countries. Shopping, reading newspapers, participating in forums, projecting and completing surveys, communicating with friends and making new ones, filing tax returns and getting involved in politics are all examples of how ingrained mobile technology is to modern lifestyle. Mobile devices allow a wide range of heterogeneous activities and, as a result, have great potential in terms of the different types of data that can be collected. The use of mobile devices to collect, analyse and apply research data is explored here. This book focuses on the use of mobile devices in various research contexts, aiming to provide a detailed and updated knowledge on what is a comparatively new field of study. This is done considering different aspects: main methodological possibilities and issues; comparison and integration with more traditional survey modes or ways of participating in research; quality of collected data; use in commercial market research; representativeness of studies based only on the mobile-population; analysis of the current spread of mobile devices in several countries, and so on. Thus, the book provides interesting research findings from a wide range of countries and contexts. This book was developed in the framework of WebDataNet's Task Force 19. WebDataNet, was created in 2009 by a group of researchers focusing on the discussion on data collection methods. Supported by the European Union programme for the Coordination of Science and Technology, WebDataNet has become a unique, multidisciplinary network that has brought together leading web-based data collection experts from several institutions, disciplines, and relevant backgrounds from more than 35 different countries.

Myths and Myth-makers

Old Tales and Superstitions Interpreted by Comparative Mythology

Boston : Houghton, Mifflin

Digital Audio Signal Processing

John Wiley & Sons A fully updated second edition of the excellent Digital Audio Signal Processing Well established in the consumer electronics industry, Digital Audio Signal Processing (DASP) techniques are used in audio CD, computer music and multi-media components. In addition, the applications afforded by this versatile technology now range from real-time signal processing to room simulation. Digital Audio Signal Processing, Second Edition covers the latest signal processing algorithms for audio processing. Every chapter has been completely revised with an easy to understand introduction into the basics and exercises have been included for self testing. Additional Matlab files and Java Applets have been provided on an accompanying website, which support the book by easy to access application examples. Key features include: A thoroughly updated and revised second edition of the popular Digital Audio Signal Processing, a comprehensive coverage of the topic as whole Provides basic principles and fundamentals for Quantization, Filters, Dynamic Range Control, Room Simulation, Sampling Rate Conversion, and Audio Coding Includes detailed accounts of studio technology, digital transmission systems, storage media and audio components for home entertainment Contains precise algorithm description and applications Provides a full account of the techniques of DASP showing their theoretical foundations and practical solutions Includes updated computer-based exercises, an accompanying website, and features Web-based Interactive JAVA-Applets for audio processing This essential guide to digital audio signal processing will serve as an invaluable reference to audio engineering professionals, R&D engineers, researchers in consumer electronics industries and academia, and Hardware and Software developers in IT companies. Advanced students studying multi-media courses will also find this guide of interest.

The Selected Writings and Speeches of Sir Edward Coke

Ecology of Communication

Routledge Altheide's new book advances the argument set in motion some years ago with Media Logic and continued in Media Worlds in the Postjournalism Era: that in our age, information technology and the communication environments it posits have affected the private and the social spheres of all our power relationships, redefining the ground rules for social life and concepts such as freedom and justice. Articulated through an interactionist and non-deterministic focus, An Ecology of Communication offers a distinctive perspective for understanding the impact of information technology, communication formats, and social activities in the new electronic environment.

Domesticating Space

Construction, Community, and Cosmology in the Late Prehistoric Near East

Architektur - dörflicher Raum - Gesellschaft - Wohnraum.

EMOOCs 2021

Universitätsverlag Potsdam From June 22 to June 24, 2021, Hasso Plattner Institute, Potsdam, hosted the seventh European MOOC Stakeholder Summit (EMOOCs 2021) together with the eighth ACM Learning@Scale Conference. Due to the COVID-19 situation, the conference was held fully online. The boost in digital education worldwide as a result of the pandemic was also one of the main topics of this year's EMOOCs. All institutions of learning have been forced to transform and redesign their educational methods, moving from traditional models to hybrid or completely online models at scale. The learnings, derived from practical experience and research, have been explored in EMOOCs 2021 in six tracks and additional workshops, covering various aspects of this field. In this publication, we present papers from the conference's Experience Track, the Policy Track, the Business Track, the International Track, and the Workshops.

Power System Restructuring and Deregulation

Trading, Performance and Information Technology

John Wiley & Sons The restructuring and deregulation of the power utility industry is resulting in significant competitive, technological and regulatory changes. Independent power producers, power marketers and brokers have added a new and significant dimension to the task of maintaining a reliable electric system. Power System Restructuring and Deregulation provides comprehensive coverage of the technological advances, which have helped redesign the ways in which utility companies manage their business. With the aid of practical case studies, an international panel of contributors address the most up to date problems and their solutions in a cohesive manner, making this book indispensable to graduates and engineers in the power industry field. Presents state of the art techniques in power industry restructuring Includes applications of new technology in power industry deregulation Includes practical examples of changes in load forecasting techniques and methods International contributors

offer a global perspective detailing power utility restructuring and deregulation from various countries

The Good Neighbor in the Modern City

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Internet and Surveillance

The Challenges of Web 2.0 and Social Media

Routledge The Internet has been transformed in the past years from a system primarily oriented on information provision into a medium for communication and community-building. The notion of "Web 2.0", social software, and social networking sites such as Facebook, Twitter and MySpace have emerged in this context. With such platforms comes the massive provision and storage of personal data that are systematically evaluated, marketed, and used for targeting users with advertising. In a world of global economic competition, economic crisis, and fear of terrorism after 9/11, both corporations and state institutions have a growing interest in accessing this personal data. Here, contributors explore this changing landscape by addressing topics such as commercial data collection by advertising, consumer sites and interactive media; self-disclosure in the social web; surveillance of file-sharers; privacy in the age of the internet; civil watch-surveillance on social networking sites; and networked interactive surveillance in transnational space. This book is a result of a research action launched by the intergovernmental network COST (European Cooperation in Science and Technology).

Maltby-Maltbie Family History - Scholar's Choice Edition

Scholar's Choice This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Pre-trial Diversion

Hearings, Ninety-third Congress, Second Session, on H.R. 9007 ... [and] S. 798 ..

The Mediatization of Culture and Society

Routledge Mediatization has emerged as a key concept to reconsider old, yet fundamental questions about the role and influence of media in culture and society. In particular the theory of mediatization has proved fruitful for the analysis of how media spread to, become intertwined with, and influence other social institutions and cultural phenomena like politics, play and religion. This book presents a major contribution to the theoretical understanding of the mediatization of culture and society. This is supplemented by in-depth studies of: The mediatization of politics: From party press to opinion industry; The mediatization of religion: From the faith of the church to the enchantment of the media; The mediatization of play: From bricks to bytes; The mediatization of habitus: The social character of a new individualism. Mediatization represents a new social condition in which the media have emerged as an important institution in society at the same time as they have become integrated into the very fabric of social and cultural life. Making use of a broad conception of the media as technologies, institutions and aesthetic forms, Stig Hjarvard considers how characteristics of both old and new media come to influence human interaction, social institutions and cultural imaginations.

Arrhythmogenic RV Cardiomyopathy/Dysplasia

Recent Advances

Springer Science & Business Media This book covers all aspects (biological, pathological, genetic, clinical and therapeutical) of arrhythmogenic right ventricular cardiomyopathy/dysplasia, a recent cardiomyopathy which represents a very high risk of sudden death in the young and in the athletes. This monograph gathers the results of a five-year research program on ARVC/D which allowed the discovery of 5 disease-causing genes, thus opening new avenues for the early identification of affected patients.

Clinical Decision Making in Colorectal Surgery

Springer This second edition is an all-inclusive textbook with a unique algorithm-based approach to the evaluation and management of colorectal surgery disease. It examines the thought processes, technical tricks, and decision-making strategies for specific clinical situations. The book aims to utilise the experience its contributors have gained caring for patients with a wide range of colorectal diseases. The technical challenges of managing complex patients and the technical details that make these situations challenging are covered, and evidence and experience-based solutions are offered for surgeons of all levels. This book focuses on providing pragmatic advice and reproducible techniques that can be readily implemented by surgeons of varying experience to successfully treat complex colorectal problems through an algorithmic approach.

On Hashish

Harvard University Press On Hashish' is Walter Benjamin's posthumous collection of writings, providing a unique and intimate portrait of the man himself, of his experiences of hashish, and also of his views on the Weimar Republic.

Israeli Development Aid to Sub-Saharan Africa

Soft Power and Foreign Policy

Routledge This book deals with Israeli development aid to Sub-Saharan Africa countries as a part of Israeli foreign policy. The analysis is framed by the concept of soft power: an assumption that development cooperation increases attractiveness of the donor and contributes to constructive bilateral and multilateral relations. Israel is a particular case of a donor, as it concentrates on technical aid and its aid is motivated by a particular set of ideological and pragmatic motives. Covering the period since the 1950s till today, the book analyses particular Israeli resources relevant for African development and the system and contents of Israeli development aid, with a particular focus on a new phenomenon of the engagement of businesses and NGOs. Zielińska explores the geopolitical context of Israeli aid for Sub-Saharan countries and the recipients' perception of Israeli aid; asking if and how these attitudes influence the recipients' behaviour towards Israel within their bilateral relations as well as on multilateral forums. Contributing to the knowledge of development diplomacy as a form of expression of soft power and as a tool of foreign policy, it will be of interest to international relations' students and faculty as well as to other people professionally dealing with Israeli foreign policies.

Magia Naturalis Et Innaturalis

Or, Threefold Coercion of Hell, Last Testament and the Sigils of the Art

The Magia Naturalis et Innaturalis was a popular grimoire in 18th Century Germany centering around the legend of Doctor Faust, to whom it was pseudo-epigraphically attributed. It contains a great array of magical practices centering around his mythical exploits aided by the spirit Mephistopheles. It remains relevant today as the foremost exemplar stemming from the Faustian Magical Literature and will prove indispensable for the scholars of Western Esotericism for its great array of magical practices dealing with topics like demonology, necromancy, the Liber Spirituum and divination as well as to the students of Goethe's sources for his magnum opus Faust. This critical edition, amply researched, provides historical and literary context through its introduction and commentary to students and scholars of magic and Faustian literature.

The Little Book Of Philosophy

Random House In this remarkable little book, Andre Comte-Sponville introduces the reader to the western philosophical tradition in a series of sparkling chapters on the 'big questions'. In doing so he reveals the essential bones of philosophical thought and shows why philosophy is relevant in our day-to-day lives. In his brilliant and concise writing on morality, politics, love, death, knowledge, freedom, God, atheism, art, time, Man, and wisdom, he inspires the central question of philosophy - how should we live? - and provides the reader with signposts towards a happier, wiser life.

The Races of Ireland and Scotland

Dalcassian Publishing Company

Unfit to Be a Slave

Springer Out of over 40 years of experience in adult or worker education, David Greene brings us tools to develop consciousness and leadership for social change. Based on the power of our huge working class to understand this economic system and to organize, this book aims to empower educators, students and other workers with science applied to solving the serious social problems we face today. We are confronted with the issues of low-wage, part-time and temporary jobs, inadequate housing, health care, and transportation, inequality and injustice, at the same time as the greatest concentration of wealth in human history. The disparity of wealth and control has never been greater. The only way out of this deepening crisis is through education. To change this we need understanding that is based on the clearest reflection of the real world. Unfit to Be a Slave employs the tools of theory and informed practice, to guide us to create spaces to share experience, study history's lessons and develop consciousness. As a collective and organized force we can transform our communities, our countries and our world. Mythologies that tell people, 'Things don't change,' 'We can't do anything,' or 'It has always been this way,' prevent poor and working class populations from taking necessary action on behalf of their own lives and families. Unfit to Be a Slave is meant to be a guide to education for social change.

Atlas of European History

An atlas based on the significant events of European history.

The ASCRS Textbook of Colon and Rectal Surgery

Springer This third edition text provides a completely revised and updated new version of this unique, modern, practical text that covers the strategic evaluation, specific approaches, and detailed management techniques utilized by expert colorectal surgeons caring for patients with complex problems—whether they result from underlying colorectal disease or from complications arising from previous surgical therapy. The format follows that of both a “how to” manual as well as an algorithm-based guide to allow the reader to understand the thought process behind the proposed treatment strategy. By making use of evidence-based recommendations, each chapter includes not only background information and diagnostic/therapeutic guidelines, but also provides a narrative by the author on his/her operative technical details and perioperative “tips and tricks” that they utilize in the management of these complex surgical challenges. Distinctive to this book, is the reliance on experts in the field including past presidents of the ASCRS, as well as multiple other national and internationally recognized surgeons, to lend their personal insight into situations where data may be more sparse, but individual and collective experience is paramount to making sound decisions and thereby optimizing patient outcomes. The text includes chapters on the assessment of risk and methods utilized to minimize perioperative complications. In addition, it incorporates sections covering the medical and surgical therapies for abdominal, pelvic and anorectal disease. Moreover, the technical challenges of managing complications resulting from the original or subsequent operations is addressed. The underlying focus throughout the text is on providing pragmatic and understandable solutions that can be readily implemented by surgeons of varying experience to successfully treat complex colorectal problems. However, it also goes beyond the technical aspects of colorectal surgery and includes special sections highlighting the essence of a surgeon: covering aspects involving the medical-legal, ethical, and economic challenges confronting surgeons. Throughout the text, each author provides an ongoing narrative of his/her individual surgical techniques along with illustrations and diagrams to “personally” take the reader through the crucial steps of the procedure, and key points of patient care inherent to that topic. Additionally, where appropriate, links to online videos give the reader an up-front look into technical aspects of colorectal surgery.

Random Reminiscences

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Discrete Signals and Inverse Problems

An Introduction for Engineers and Scientists

John Wiley & Sons Discrete Signals and Inverse Problems examines fundamental concepts necessary to engineers and scientists working with discrete signal processing and inverse problem solving, and places emphasis on the clear understanding of algorithms within the context of application needs. Based on the original 'Introduction to Discrete Signals and Inverse Problems in Civil Engineering', this expanded and enriched version: combines discrete signal processing and inverse problem solving in one book covers the most versatile tools that are needed to process engineering and scientific data presents step-by-step 'implementation procedures' for the most relevant algorithms provides instructive figures, solved examples and insightful exercises Discrete Signals and Inverse Problems is essential reading for experimental researchers and practicing engineers in civil, mechanical and electrical engineering, non-destructive testing and instrumentation. This book is also an excellent reference for advanced undergraduate students and graduate students in engineering and science.

Nonlinear Electrodynamics in Biological Systems

Springer Science & Business Media The past half century has seen an extraordinary growth in the fields of cellular and molecular biology. From simple morphological concepts of cells as the essential units of living matter there has been an ever-sharper focus on functional organization of living systems, with emphasis on molecular dynamics. Thus, life forms have come to be defined increasingly in terms of metabolism, growth, reproduction and responses to environmental perturbations. Since these properties occur in varying degrees in systems below the level of cellular organization, there has been a blurring of older models that restricted the concepts of life to cellular systems. At the same time, a search has begun for elemental aspects of molecular and atomic behavior that might better define properties common to all life forms. This search has led to an examination of nonlinear behavior in biological macromolecules, whether in response to electrical or chemical stimulation, for example, or as a means of signaling along a molecular chain, or as a means of energy transfer. Experimental knowledge in this area has grown rapidly in the past decade, and in some respects has outstripped theoretical models adequate to explain these new observations. Nevertheless, it can be claimed that there is now an impressive body of experiments implicating nonlinear, nonequilibrium processes as fundamental steps in sequential operations of biological systems.

With the Persian Expedition

Exerpt from the book Well, chiefly because in the beginning of 1918 Fate and the War Office sent me into a field of operations almost unknown and unheeded of the average home keeping Briton - via, that of north-west Persia, in the land lying towards the Caucasus and the Caspian Sea; and my experiences there led me into bypaths of the Great War so unusual as to seem well worth describing, quite apart from the military importance of the movements of which they were but a minute part. However, in the latter aspect, too, I hope my book will serve as a useful footnote to the history of the gigantic struggle now happily ended.

Ecological Aquaculture

The Evolution of the Blue Revolution

John Wiley & Sons As the world's demand for food from aquatic environments continues to increase, the importance of performing aquaculture in an environmentally responsible manner also increases. The aim of this important and thought-provoking book is to stimulate discussion among aquaculture's modern scientific, education and extension communities concerning the principles, practices and policies needed to develop ecologically and socially sustainable aquaculture systems worldwide. Ecological Aquaculture provides fascinating and valuable insights into primitive (and often sustainable) culture systems, and ties these to modern large-scale aquaculture systems. The book is edited, and authored to a considerable degree, by Barry Costa-Pierce who has assembled a team of some of the leading thinkers in the field, providing information spanning a spectrum of activities from artisanal to high technology approaches to producing aquatic organisms in a balanced and environmentally-friendly way. Ecological Aquaculture is an essential purchase for all aquaculture personnel involved in commercial, practical and research capacities. Libraries in research establishments and universities where aquaculture, biological, environmental and aquatic sciences are studied and taught should have copies of this book available on their shelves.