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International Abstracts of Human ResourcesBooks in PrintTopology from the Differentiable ViewpointAutocarBioinformaticsMergent Industrial ManualLinguistics and Language Behavior AbstractsForthcoming BooksAgeing and TechnologyTransitionYour Social Work Practice PlacementMarine Anthropogenic LitterMapping SocietySimulation For The Social ScientistThe Computer Modelling of Mathematical ReasoningTopology of SurfacesJournal of Object-oriented ProgrammingWest AfricaThe Architects' JournalLibrary & Information Science AbstractsSociological AbstractsJournal of Apicultural Research & Bee WorldPrinciples of Molecular Virology (Standard Edition)Genetics AbstractsThe Grower (London).The R BookAutomotive Engineering e-Mega ReferenceEnglish as a Global LanguageUlrich's Periodicals DirectoryApplied Mechanics ReviewsAn Introduction to Random MatricesThe Value Line Investment SurveyHACPerturbation theory for linear operatorsFinite Element ProceduresElectrical & Electronics AbstractsHigh Definition TelevisionTeaching at Its BestNutritional and Integrative Strategies in Cardiovascular MedicineThe Convenient Setting of Global Analysis

International Abstracts of Human Resources

Books in Print

Topology from the Differentiable Viewpoint

This book lays the foundations of differential calculus in infinite dimensions and discusses those applications in infinite dimensional differential geometry and global analysis not involving Sobolev completions and fixed point theory. The approach is simple: a mapping is called smooth if it maps smooth curves to smooth curves. Up to Frechet spaces, this notion of smoothness coincides with all known reasonable concepts. In the same spirit, calculus of holomorphic mappings (including Hartogs' theorem and holomorphic uniform boundedness theorems) and calculus of real analytic mappings are developed. Existence of smooth partitions of unity, the foundations of manifold theory in infinite dimensions, the relation between tangent vectors and derivations, and differential forms are discussed thoroughly. Special emphasis is given to the notion of regular infinite dimensional Lie groups.Many applications of this theory are included: manifolds of smooth mappings, groups of diffeomorphisms, geodesics on spaces of Riemannian metrics, direct limit manifolds, perturbation theory of operators, and differentiability questions of infinite dimensional representations.

Autocar

Bioinformatics

This one-stop Mega Reference eBook brings together the essential professional reference content from leading international contributors in the automotive field. An expansion the Automotive Engineering print edition, this fully searchable electronic reference book of 2500 pages delivers content to meet all the main information needs of engineers working in vehicle design and development. Material ranges from basic to advanced topics from engines and transmissions to vehicle dynamics and modelling. * A fully searchable Mega Reference Ebook, providing all the essential material needed by Automotive Engineers on a day-to-day basis. * Fundamentals, key techniques, engineering best practice and rules-of-thumb together in one quick-reference. * Over 2,500 pages of reference material, including over 1,500 pages not included in the print edition

Mergent Industrial Manual

This elegant book by distinguished mathematician John Milnor, provides a clear and succinct introduction to one of the most important subjects in modern

mathematics. Beginning with basic concepts such as diffeomorphisms and smooth manifolds, he goes on to examine tangent spaces, oriented manifolds, and vector fields. Key concepts such as homotopy, the index number of a map, and the Pontryagin construction are discussed. The author presents proofs of Sard's theorem and the Hopf theorem.

Linguistics and Language Behavior Abstracts

The high-level language of R is recognized as one of the most powerful and flexible statistical software environments, and is rapidly becoming the standard setting for quantitative analysis, statistics and graphics. R provides free access to unrivalled coverage and cutting-edge applications, enabling the user to apply numerous statistical methods ranging from simple regression to time series or multivariate analysis. Building on the success of the author's bestselling Statistics: An Introduction using R, The R Book is packed with worked examples, providing an all inclusive guide to R, ideal for novice and more accomplished users alike. The book assumes no background in statistics or computing and introduces the advantages of the R environment, detailing its applications in a wide range of disciplines. Provides the first comprehensive reference manual for the R language, including practical guidance and full coverage of the graphics facilities. Introduces all the statistical models covered by R, beginning with simple classical tests such as chi-square and t-test. Proceeds to examine more advance methods, from regression

and analysis of variance, through to generalized linear models, generalized mixed models, time series, spatial statistics, multivariate statistics and much more. The R Book is aimed at undergraduates, postgraduates and professionals in science, engineering and medicine. It is also ideal for students and professionals in statistics, economics, geography and the social sciences.

Forthcoming Books

Ageing and Technology

Transition

David Crystal's classic English as a Global Language considers the history, present status and future of the English language, focusing on its role as the leading international language. English has been deemed the most 'successful' language ever, with 1500 million speakers internationally, presenting a difficult task to those who wish to investigate it in its entirety. However, Crystal explores the subject in a measured but engaging way, always backing up observations with facts and figures. Written in a detailed and fascinating manner, this is a book written by an

expert both for specialists in the subject and for general readers interested in the English language.

Your Social Work Practice Placement

Embarking on a first practice placement can be an anxious experience for social work students. This textbook takes them step-by-step through the process, holding their hand through preparation for practice modules and during the course of the placement itself. Focusing on practicalities, knowledge, values and skills, the authors guide students through the challenges they may face. Chapters include numerous real-life case examples which reflect a range of varying placement contexts including different settings, service-user groups, locations and areas of practice. The book will help students become confident on placement and lead to rich placement experiences which will benefit them throughout the rest of their degree and upon entry to the profession. Your Social Work Practice Placements is essential reading for all social care students.

Marine Anthropogenic Litter

Mapping Society

Simulation For The Social Scientist

The Computer Modelling of Mathematical Reasoning

Topology of Surfaces

Despite 40 years of aggressive pharmaceutical and surgical interventions, coronary artery disease (CAD) remains the number one killer of women and men in Western civilization. When it comes to CAD, prevention is easier than cure, and if CAD does present itself, a combination of conventional and alternative methodologies can truly make a difference

Journal of Object-oriented Programming

West Africa

The Architects' Journal

Library & Information Science Abstracts

Sociological Abstracts

" . . . that famous pedagogical method whereby one begins with the general and proceeds to the particular only after the student is too confused to understand even that anymore. " Michael Spivak This text was written as an antidote to topology courses such as Spivak It is meant to provide the student with an experience in geomet describes. ric topology. Traditionally, the only topology an undergraduate might see is point-set topology at a fairly abstract level. The next course the average stu dent would take would be a graduate course in algebraic topology, and such courses are commonly very homological in nature, providing quick access to current research, but not developing any intuition or geometric sense. I have tried in this text to provide the undergraduate with a pragmatic introduction to the field, including a sampling from point-set, geometric, and algebraic topology, and trying not to include anything that the student cannot immediately experience. The exercises are to be considered as an in tegral part of

the text and, ideally, should be addressed when they are met, rather than at the end of a block of material. Many of them are quite easy and are intended to give the student practice working with the definitions and digesting the current topic before proceeding. The appendix provides a brief survey of the group theory needed.

Journal of Apicultural Research & Bee World

From a rare map of yellow fever in eighteenth-century New York, to Charles Booth's famous maps of poverty in nineteenth-century London, an Italian racial zoning map of early twentieth-century Asmara, to a map of wealth disparities in the banlieues of twenty-first-century Paris, Mapping Society traces the evolution of social cartography over the past two centuries. In this richly illustrated book, Laura Vaughan examines maps of ethnic or religious difference, poverty, and health inequalities, demonstrating how they not only serve as historical records of social enquiry, but also constitute inscriptions of social patterns that have been etched deeply on the surface of cities.

Principles of Molecular Virology (Standard Edition)

A rigorous introduction to the basic theory of random matrices designed for

graduate students with a background in probability theory.

Genetics Abstracts

Teaching at Its Best This third edition of the best-selling handbook offers faculty at all levels an essential toolbox of hundreds of practical teaching techniques, formats, classroom activities, and exercises, all of which can be implemented immediately. This thoroughly revised edition includes the newest portrait of the Millennial student; current research from cognitive psychology; a focus on outcomes maps; the latest legal options on copyright issues; and how to best use new technology including wikis, blogs, podcasts, vodcasts, and clickers. Entirely new chapters include subjects such as matching teaching methods with learning outcomes, inquiry-guided learning, and using visuals to teach, and new sections address Felder and Silverman's Index of Learning Styles, SCALE-UP classrooms, multiple true-false test items, and much more. Praise for the Third Edition of Teaching at Its BestEveryone—veterans as well as novices—will profit from reading Teaching at Its Best, for it provides both theory and practical suggestions for handling all of the problems one encounters in teaching classes varying in size, ability, and motivation."—Wilbert McKeachie, Department of Psychology, University of Michigan, and coauthor, McKeachie's Teaching TipsThis new edition of Dr. Nilson's book, with its completely updated material and several new topics, is an even more powerful collection of ideas and tools than the last. What a great

resource, especially for beginning teachers but also for us veterans!"—L. Dee Fink, author, Creating Significant Learning ExperiencesThis third edition of Teaching at Its Best is successful at weaving the latest research on teaching and learning into what was already a thorough exploration of each topic. New information on how we learn, how students develop, and innovations in instructional strategies complement the solid foundation established in the first two editions."—Marilla D. Svinicki, Department of Psychology, The University of Texas, Austin, and coauthor, McKeachie's Teaching Tips

The Grower (London).

The R Book

Automotive Engineering e-Mega Reference

The 40-year history of high definition television technology is traced from initial studies in Japan, through its development in Europe, and then to the United States, where the first all-digital systems were implemented. Details are provided about advances in HDTV technology in Australia and Japan, Europe's introduction of

HDTV, Brazil's innovative use of MPEG-4 and China's terrestrial standard. The impact of HDTV on broadcast facility conversion and the influx of computer systems and information technology are described, as well as the contributions of the first entrepreneurial HD videographers and engineers. This thoroughly researched volume highlights several of the landmark high-definition broadcasts from 1988 onward, includes input gathered from more than 50 international participants, and concludes with the rollout of consumer HDTV services throughout the world.

English as a Global Language

"In this book, Andy Baxevanis and Francis Ouellette . . . haveundertaken the difficult task of organizing the knowledge in thisfield in a logical progression and presenting it in a digestibleform. And they have done an excellent job. This fine text will makea major impact on biological research and, in turn, on progress inbiomedicine. We are all in their debt." —Eric Lander from the Foreword Reviews from the First Edition "provides a broad overview of the basic tools for sequenceanalysis For biologists approaching this subject for the firsttime, it will be a very useful handbook to keep on the shelf afterthe first reading, close to the computer." —Nature Structural Biology "should be in the personal library of any biologist who usesthe Internet for the analysis of DNA and protein sequencedata." —Science "a wonderful primer designed to navigate the novice throughthe

intricacies of in scripto analysis The accomplished genesearcher will also find this book a useful addition to theirlibrary an excellent reference to the principles ofbioinformatics." —Trends in Biochemical Sciences This new edition of the highly successful Bioinformatics:A Practical Guide to the Analysis of Genes and Proteinsprovides a sound foundation of basic concepts, with practicaldiscussions and comparisons of both computational tools anddatabases relevant to biological research. Equipping biologists with the modern tools necessary to solvepractical problems in sequence data analysis, the Second Editioncovers the broad spectrum of topics in bioinformatics, ranging fromInternet concepts to predictive algorithms used on sequence,structure, and expression data. With chapters written by experts inthe field, this up-to-date reference thoroughly covers vitalconcepts and is appropriate for both the novice and the experiencedpractitioner. Written in clear, simple language, the book isaccessible to users without an advanced mathematical or computerscience background. This new edition includes: All new end-of-chapter Web resources, bibliographies, andproblem sets Accompanying Web site containing the answers to the problems,as well as links to relevant Web resources New coverage of comparative genomics, large-scale genomeanalysis, sequence assembly, and expressed sequence tags A glossary of commonly used terms in bioinformatics andgenomics Bioinformatics: A Practical Guide to the Analysis of Genesand Proteins, Second Edition is essential reading forresearchers, instructors, and students of all levels in molecularbiology and bioinformatics, as well as for investigators involvedin genomics, positional cloning, clinical research,

andcomputational biology.

Ulrich's Periodicals Directory

Applied Mechanics Reviews

Social sciences -- Simulation methods. Social interaction -- Computer simulation. Social sciences -- Mathematical models. (publisher)

An Introduction to Random Matrices

The Value Line Investment Survey

HAC

Perturbation theory for linear operators

The booming increase of the senior population has become a social phenomenon and a challenge to our societies, and technological advances have undoubtedly contributed to improve the lives of elderly citizens in numerous aspects. In current debates on technology, however, the »human factor« is often largely ignored. The ageing individual is rather seen as a malfunctioning machine whose deficiencies must be diagnosed or as a set of limitations to be overcome by means of technological devices. This volume aims at focusing on the perspective of human beings deriving from the development and use of technology: this change of perspective - taking the human being and not technology first - may help us to become more sensitive to the ambivalences involved in the interaction between humans and technology, as well as to adapt technologies to the people that created the need for its existence, thus contributing to improve the quality of life of senior citizens.

Finite Element Procedures

This book describes how man-made litter, primarily plastic, has spread into the remotest parts of the oceans and covers all aspects of this pollution problem from the impacts on wildlife and human health to socio-economic and political issues. Marine litter is a prime threat to marine wildlife, habitats and food webs worldwide. The book illustrates how advanced technologies from deep-sea research, microbiology and mathematic modelling as well as classic beach litter counts by

volunteers contributed to the broad awareness of marine litter as a problem of global significance. The authors summarise more than five decades of marine litter research, which receives growing attention after the recent discovery of great oceanic garbage patches and the ubiquity of microscopic plastic particles in marine organisms and habitats. In 16 chapters, authors from all over the world have created a universal view on the diverse field of marine litter pollution, the biological impacts, dedicated research activities, and the various national and international legislative efforts to combat this environmental problem. They recommend future research directions necessary for a comprehensive understanding of this environmental issue and the development of efficient management strategies. This book addresses scientists, and it provides a solid knowledge base for policy makers, NGOs, and the broader public.

Electrical & Electronics Abstracts

High Definition Television

Teaching at Its Best

Formal notation; Arguments about propositions; The internal structure of propositions; Miscellaneous topics; Uniform proof procedures; Formalizing the notion of proof; Searching for a refutation; Criticisms of uniform proof procedures; Guiding search; Decision procedures for inequalities; Rewrite rules; Using semantic information to guide proofs; The productive use of failure; Formalizing control information; Mathematical invention; Concept formation; Forming mathematical models; Technical issues; Clausal form; Herbrand proof procedures; Pattern matching; Applications of artificial mathematics; Appendices; Index.

Nutritional and Integrative Strategies in Cardiovascular Medicine

Principles of Molecular Virology, Third Edition provides an essential introduction to modern virology in a clear and concise manner. It is a highly enjoyable and readable text with numerous illustrations that enhance the reader's understanding of important principles. This edition has been updated and revised with new figures and text. New to the Third Edition: Viruses and Apoptosis (Chapter 6) Bacteriophages and Human Disease (Chapter 7) Learning objectives for each chapter Pronunciation section in Glossary and abbreviations section (Appendix 1) Key events in the history of virology (Appendix 3) Addition of colour in text and figures to enhance understanding of key points Also: Self assessment questions at

the end of each chapter Classification of Subcellular Infectious agents Approx. 20% new material and completely revised throughout Over 120 figures

The Convenient Setting of Global Analysis

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION