

Consider The Following Be

Consider the problem of a robot (algorithm, learning mechanism) moving along the real line attempting to locate a particular point ? . To assist the mechanism, we assume that it can communicate with an Environment (“Oracle”) which guides it with information regarding the direction in which it should go. If the Environment is deterministic the problem is the “Deterministic Point - cation Problem” which has been studied rather thoroughly [1]. In its pioneering version [1] the problem was presented in the setting that the Environment could charge the robot a cost which was proportional to the distance it was from the point sought for. The question of having multiple communicating robots locate a point on the line has also been studied [1, 2]. In the stochastic version of this problem, we consider the scenario when the learning mechanism attempts to locate a point in an interval with stochastic (i. e. , possibly erroneous) instead of deterministic responses from the environment. Thus when it should really be moving to the “right” it may be advised to move to the “left” and vice versa. Apart from the problem being of importance in its own right, the stochastic pointlocationproblemalsohas potentialapplications insolvingoptimization problems. Inmanyoptimizationsolutions–forexampleinimageprocessing, pattern recognition and neural computing [5, 9, 11, 12, 14, 16, 19], the algorithm worksits wayfromits currentsolutionto the optimal solutionbasedoninformation that it currentlyhas. A crucialquestionis oneof determining the parameter whichtheoptimizationalgorithmshoulduse.

Abstract state machines (ASM) sharpen the Church-Turing thesis by the consideration of bounded resources for computing devices. They view computations as an evolution of a state. It has been shown that all known models of computation can be expressed through specific abstract state machines. These models can be given in a representation-independent way. That is one advantage of transferring these models to ASM. The main advantage is, however, to provide a unifying theory to all of these models. At the same time ASM can be refined to other ASMs. Stepwise refinement supports separation of concern during software development and will support component-based construction of systems thus providing a foundation of new computational paradigms such as industrial programming, programming-in-the-large, and programming-in-the-world. ASM 2004 continued the success story of the ASM workshops. Previous workshops were held in the following European cities: Taormina, Italy (2003); Dagstuhl, Germany (2002); Las Palmas de Gran Canaria, Spain (2001); Monte Verita, Switzerland (2000); Toulouse, France (1999); Magdeburg, Germany (1998); Cannes, France (1998, 1997); Paderborn, Germany (1996); and H-burg, Germany (1994). The ASM workshops have had predecessors, e.g., the famous Lipari Summer School in 1993, whose influential outcome was the fundamental Lipari Guide.

Winner of the 2016 De Groot Prize from the International Society for Bayesian Analysis Now in its third edition, this classic book is widely considered the leading text on Bayesian methods, lauded for its accessible, practical approach to analyzing data and solving research problems. Bayesian Data Analysis, Third Edition continues to take an applied approach to analysis using up-to-date Bayesian methods. The authors—all leaders in the statistics community—introduce basic concepts from a data-analytic perspective before presenting advanced methods. Throughout the text, numerous worked examples drawn from real applications and research emphasize the use of Bayesian inference in practice. New to the Third Edition Four new chapters on nonparametric modeling Coverage of weakly informative priors and boundary-avoiding priors Updated discussion of cross-validation and predictive information criteria Improved convergence monitoring and effective sample size calculations for iterative simulation Presentations of Hamiltonian Monte Carlo, variational Bayes, and expectation propagation New and revised software code The book can be used in three different ways. For undergraduate students, it introduces Bayesian inference starting from first principles. For graduate students, the text presents effective current approaches to Bayesian modeling and computation in statistics and related fields. For researchers, it provides an assortment of Bayesian methods in applied statistics. Additional materials, including data sets used in the examples, solutions to selected exercises, and software instructions, are available on the book’s web page.

For the past 25 years the CADE conference has been the major forum for the presentation of new results in automated deduction. This volume contains the papers and system descriptions selected for the 17th International Conference on Automated Deduction, CADE-17, held June 17-20, 2000, at Carnegie Mellon University, Pittsburgh, Pennsylvania (USA). Fifty-three research papers and twenty system descriptions were submitted by researchers from 17 countries. Each submission was reviewed by at least three reviewers. Twenty-four research papers and 17 system descriptions were accepted. The accepted papers cover a variety of topics related to theorem proving and its applications such as proof carrying code, cryptographic protocol verification, model checking, cooperating decision procedures, program verification, and resolution theorem proving. The program also included three invited lectures: “High-level verification using theorem proving and formalized mathematics” by John Harrison, “Scalable Knowledge Representation and Reasoning Systems” by Henry Kautz, and “Connecting Bits with Floating-Point Numbers: Model Checking and Theorem Proving in Practice” by Carl Seger. Abstracts or full papers of these talks are included in this volume. In addition to the accepted papers, system descriptions, and invited talks, this volume contains one page summaries of four tutorials and 7 workshops held in conjunction with CADE-17.

Lok Sabha Debates
Existential Sentences (RLE Linguistics B: Grammar)
Their Structure and Meaning
Essentials of Discrete Mathematics
Programming Multi-Agents Systems

GMAT Geometry
 Adapting to the ever-changing GMAT exam, Manhattan Prep’s 6th Edition GMAT Strategy Guides offer the latest approaches for students looking to score in the top percentiles. Written by active instructors with 99th-percentile scores, these books are designed with the student in mind. The GMAT Geometry strategy guide equips you with powerful tools to grasp and solve every geometry problem tested on the GMAT. It covers not only fundamental geometric principles and techniques but also nuanced strategies for tackling tricky questions involving polygons, the coordinate plane, and many other topics. Unlike other guides that attempt to convey everything in a single tome, the GMAT Geometry strategy guide is designed to provide deep, focused coverage of one specialized area tested on the GMAT. As a result, students benefit from thorough and comprehensive subject material, clear explanations of fundamental principles, and step-by-step instructions of important techniques. In-action practice problems and detailed answer explanations challenge the student, while topical sets of Official Guide problems provide the opportunity for further growth. Used by itself or with other Manhattan Prep Strategy Guides, the GMAT Geometry strategy guide will help students develop all the knowledge, skills, and strategic thinking necessary for success on the GMAT. Purchase of this book includes one year of access to Manhattan Prep’s Geometry Question Bank. All of Manhattan Prep’s GMAT Strategy Guides are aligned with the GMAC Official Guide, 2016 edition.

Presents discussions and experiments which deal with questions in different branches of science
SUCCEEDING IN BUSINESS WITH MICROSOFT OFFICE EXCEL 2013 prepares your students to solve business problems by moving beyond the basic point and click skills to think critically about realistic business situations. When students combine software analysis with their own decision making abilities, they are more likely meet any business challenge with success. The Succeeding in Business Series emphasizes problem-solving, critical thinking, and analysis - challenging students to find efficient and effective solutions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
 Current Techniques in Small Animal Surgery, Fifth Edition provides current information regarding surgical techniques from the perspective of clinicians who are performing specific procedures on a regular basis. It is intended to be concise, well illustrated, and reflective of the writer’s experience, both good and bad. The emphasis with this volume is technique. The pathophysiologic principles and applications are covered in the companion volume, Mechanisms of Disease in Small Animal Surgery, Third Edition. These two books are regarded by most practitioners and students as being a two-volume set.

Knowledge and Care
 A Way Cool Set of Science Questions, Answers, and Ideas to Ponder
 11th International Workshop, ASM 2004, Lutherstadt Wittenberg, Germany, May 24-28, 2004. Proceedings
 Saving Truth From Paradox
 9th International Workshop, ProMAS 2011, Taipei, Taiwan, May 3, 2011. Revised Selected Papers
 A Review of Cures for Cancer and their Unlawful Suppression

The Artificial Heteromorph appeared more than 20 years ago in a small corner of New Mexico, USA. Since then the area has developed dramatically, many researchers joining enthusiastically and research groups sprouting everywhere. This frenetic activity led to the emergence of several strands that are now established fields in themselves. We are now reaching a stage that one may describe as maturer: with more rigour, more benchmarks, more results, more stringent acceptance criteria, more applications, in brief, more sound science. This, which is the normal path of all new areas, comes at a price, however. A certain enthusiasm, a certain adventurousness from the early years is fading and may have been lost on the way. The field has become more reasonable. To counterbalance this and to encourage lively discussions, a conceptual track, where papers were judged on criteria like importance and/or novelty of the concepts proposed rather than the experimental/theoretical results, has been introduced this year. A conference on a theme as broad as Artificial Life is bound to be very diverse, but a few tendencies emerged. First, fields like ‘Robotics and Autonomous Agents’ or ‘Evolutionary Computation’ are still extremely active and keep on bringing a wealth of results to the A-Life community. Even there, however, new tendencies appear, like collective robotics, and more specifically self-assembling robotics, which represent now a large subsection. Second, new areas appear. This book covers the basics of PHP and MySQL along with introductions to advanced topics including object-oriented programming and how to build Web sites that incorporate authentication and security. After you complete this course, you will be able to use PHP and MySQL to build professional quality, database-driven Web sites. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Special edition of the Federal Register, containing a codification of documents of general applicability and future effect ... with ancillaries.
Henry O. Pollak Chairman of the International Program Committee Bell Laboratories Murray Hill, New Jersey, USA The Fourth International Congress on Mathematics Education was held in Berkeley, California, USA, August 10-16, 1980. Previous Congresses were held in Lyons in 1969, Exeter in 1972, and Karlsruhe in 1976. Attendance at Berkeley was about 1800 full and 500 associate members from about 90 countries; at least half of these come from outside of North America. About 450 persons participated in the program either as speakers or as presiders; approximately 40 percent of these came from the U.S. or Canada. There were four plenary addresses; they were delivered by Hans Freudenthal on major problems of mathematics education, Hermina Sinclair on the relationship between the learning of language and of mathematics, Seymour Papert on the computer as carrier of mathematical culture, and Hua Loo-Keng on popularising and applying mathematical methods. George Polya was the honorary president of the Congress; illness prevented his planned attendance but he sent a brief presentation entitled, "Mathematics Improves the Mind". There was a full program of speakers, panelists, debates, miniconferences, and meetings of working and study groups. In addition, 18 major projects from around the world were invited to make presentations, and various groups representing special areas of concern had the opportunity to meet and to plan their future activities.

Having Hard Conversations
Almost Periodic Solutions of Differential Equations in Banach Spaces
2000-
18th International Workshop, IWCIÁ 2017, Plovdiv, Bulgaria, June 19-21, 2017, Proceedings
17th International Conference, IPMU 2018, Cádiz, Spain, June 11-15, 2018, Proceedings, Part I
Bayesian Data Analysis, Third Edition

Volume IV of the Transactions on Rough Sets (TRS) introduces a number of new advances in the theory and application of rough sets. Rough sets and -proximationspaceswereintroducedmorethan30yearsago by Zdzislaw Pawlak. These advances have profound implications in a number of research areas such as the foundations of rough sets, approximate reasoning, artificial intelligence, bioinformatics, computational intelligence, cognitive science, intelligent systems, data mining, machine intelligence, and security. In addition, it is evident from the papers included in this volume that the foundations and applications of rough sets is a very active research area worldwide. A total of 16 researchers from 7 countries are represented in this volume, namely, Canada, India, Norway, Sweden, Poland, Russia and the United States of America. Evidence of the vigor, breadth and depth of research in the theory and applications of rough sets can be found in the 10 articles in this volume. Prof. Pawlak has contributed a treatise on the philosophical underpinnings of rough sets. In this treatise, observations are made about the Cantor notion of a set, antinomies arising from Cantor sets, the problem of vagueness (especially, vague (imprecise) concepts), fuzzy sets, rough sets, fuzzy vs. rough sets as well as logic and rough sets. Among the many vistas and research directions suggested by Prof. Pawlak, one of the most fruitful concerns the model for a rough membership function, which was incarnated in many different forms since its introduction by Pawlak and Skowron in 1994. Recall, here, that Prof.

Advances in our understanding of the brain and rapid advances in the medical practice of neurology are creating questions and concerns from an ethical and legal perspective. Ethical and Legal Issues in Neurology provides a detailed review of various general aspects of neuroethics, and contains chapters dealing with a vast array of specific issues such as the role of religion, the ethics of invasive neuroscience research, and the impact of potential misconduct in neurologic practice. The book focuses particular attention on problems related to palliative care, euthanasia, dementia, and neurogenetic disorders, and concludes with examinations of consciousness, personal identity, and the definition of death. This volume focuses on practices not only in North America but also in Europe and the developing world. It is a useful resource for all neuroscience and neurology professionals, researchers, students, scholars, practicing clinical neurologists, mental health professionals, and psychiatrists. A comprehensive introduction and reference on neuroethics Includes coverage of how best to understand the ethics and legal aspects of dementia, palliative care, euthanasia and neurogenetic disorders Brings clarity to issues regarding ethics and legal responsibilities in the age of rapidly evolving brain science and related clinical practice

Criminal justice is centrally concerned with what people deserve—with the rights a defendant can properly claim when charged with a crime, with the punishment a judge should impose for wrongdoing, and with the scope of discretion officials may exercise when enforcing the law. Dimensions of Justice: Ethical Issues in the Administration of Criminal Law is the only textbook of its kind that addresses these questions of justice from an institutional perspective. Thought-provoking features, including Thought Experiments boxes that present imagined scenarios to illustrate the principles under discussion and Justice in Context boxes that consider the real-life applications of concepts, along with clearly presented learning objectives, create a strong foundation in key concepts, pertinent vocabulary, and critical-thinking and reasoning skills. Readers are introduced to moral reasoning and the underpinnings of philosophical approaches to justice, including readings from critical philosophers such as Aristotle, Augustine, Locke, Kant, and Rawls. Accessible but rigorous, Dimensions of Justice: Ethical Issues in the Administration of Criminal Law provides a unique and innovative approach that challenges students to develop a new analytical framework for thinking about the criminal justice system.

Fast-track conference proceedings State-of-the-art research Up-to-date results
 Pragmatic, semantic and syntactic perspectives
 Bill Nye the Science Guy’s Consider the Following
 Consider the Lilies
 Automated Deduction - CADE-25
 Information Processing and Management of Uncertainty in Knowledge-Based Systems. Theory and Foundations
 Dimensions of Justice

The first in a two volume tribute to Walter Isard, the second being "Dynamics and Conflict in Regional structural Change", this book looks at new frontiers in regional science. Together they contains 50 papers by experts in this field, and look at subjects such as location theory. This monograph presents recent developments in spectral conditions for the existence of periodic and almost periodic solutions of inhomogenous equations in Banach Spaces. Many of the results represent significant advances in this area. In particular, the authors systematically present a new approach based on the so-called evolution semigroups with an original decomposition technique. The book also extends classical techniques, such as fixed points and stability methods, to abstract functional differential equations with applications to partial functional differential equations. Almost Periodic Solutions of Differential Equations in Banach Spaces will appeal to anyone working in mathematical analysis. Everything today’s CPA candidates need to pass the CPA Exam Published annually, this Auditing and Attestation volume of the comprehensive four-volume paperback reviews all current AICPA content requirements in auditing and attestation. Many of the questions are taken directly from previous CPA exams. With 2,800 multiple-choice questions in all four volumes, these study guides provide all the information candidates need to master in order to pass the computerized Uniform CPA Examination. Its unique modular format helps you zero in on those areas that need more attention and organize your study program. Complete sample exam The most effective system available to prepare for the CPA exam—proven for over thirty years Timely—up-to-the-minute coverage for the computerized exam Contains all current AICPA content requirements in auditing and attestation Unique modular format—helps candidates zero in on areas that need work, organize their study program, and concentrate their efforts Comprehensive questions—over 2,800 multiple-choice questions and their solutions in the four volumes Guidelines, pointers, and tips—show how to build knowledge in a logical and reinforcing way Other titles by Whittington: Audit Sampling: An Introduction, Fifth Edition Wiley CPA Exam Review 2014 arms test-takers with detailed outlines, study guidelines, and skill-building problems to help candidates identify, focus on, and master the specific topics that need the most work.

This book is a collection of articles which deal with adpositions in a variety of languages and from a number of perspectives. Not only does the book cover what is traditionally treated in studies from a European and Semitic orientation – prepositions, but it presents studies on postpositions, too. The main languages dealt with in the collection are English, French and Hebrew, but there are articles devoted to other languages including Korean, Turkic languages, Armenian, Russian and Ukrainian. Adpositions are treated by some authors from a semantic perspective, by others as syntactic units, and a third group of authors distinguishes adpositions from the point of view of their pragmatic function. This work is of interest to students and researchers in theoretical and applied linguistics, as well as to those who have a special interest in any of the languages treated. Current Techniques in Small Animal Surgery, Fifth Edition
Adpositions
PHP Programming with MySQL: The Web Technologies Series

Second International Symposium, FoIKS 2002 Salza Castle, Germany, February 20-23, 2002 Proceedings
Foundations of Information and Knowledge Systems
 Written for the one-term course, the Third Edition of Essentials of Discrete Mathematics is designed to serve computer science majors as well as students from a wide range of disciplines. The material is organized around five types of thinking: logical, relational, recursive, quantitative, and analytical. This presentation results in a coherent outline that steadily builds upon mathematical sophistication. Graphs are introduced early and referred to throughout the text, providing a richer context for examples and applications. tudents will encounter algorithms near the end of the text, after they have acquired the skills and experience needed to analyze them. The final chapter contains in-depth case studies from a variety of fields, including biology, sociology, linguistics, economics, and music.

Speak with clarity, confidence, and courage! Many educators struggle with discussing difficult issues with colleagues. This insightful book helps readers effectively lead challenging conversations with supervisees, peers, and supervisors. Emphasizing initiative and preparation as keys to a successful conversation, the author's step-by-step approach provides: Thought-provoking questions and first-person accounts that help build communications skills Advice on overcoming personal hesitation about expressing concerns Guidance on goal setting and choosing the best “what-where-and-when” for a productive discussion Sample scripts and other interactive tools to help educators prepare for the conversation and achieve positive outcomes

What is the relationship between the structure of existential sentences and their meaning? How do hearers interpret existential sentences using pragmatic assumptions? This study attempts to account for the relationship between the structure of existential sentences (ES) and their meaning. The study of ES has received a great deal of attention because the construction has complex syntactic properties, is associated with restrictions of a semantic nature, and provides an interesting area for investigation at a pragmatic level.

This monograph presents a morpho-syntactic investigation on modality, aspect, and negation by concentrating on Persian, and is designed to contribute to theoretical linguistics and the study of Iranian languages. The analysis is based on the Minimalist program. This research challenges the idea that the syntactic structure maps on the semantic interpretation or vice versa. The discussion presented in this monograph shows that the syntactic structure of Persian modals is uniform no matter if the modals are interpreted as having root or epistemic readings. Although it is claimed that modals are raising constructions in different languages, modals in Persian, which does not have subject-raising constructions, show a different syntactic behavior. Furthermore, the structural analysis of the interaction of Persian modals and negation shows that because of the scope interaction of negation and modals, the syntactic structure of modals with respect to negation mostly corresponds to the semantic interpretation of modals.

Automated Deduction - CADE-17

New Frontiers in Regional Science

Code of Federal Regulations

8th European Conference, ECAL 2005, Canterbury, UK, September 5-9, 2005, Proceedings

Modeling and Valuation of Energy Structures

Auditing and Attestation

This book is not about so-called alternative medicine. It is about standard, orthodox medicine that had many good treatments for cancer up until the early 20th century. For reasons of power and control of the population, it was decided around 1910 that only radiation and surgery would be the approved treatments (and chemo was later added in the 1950s). Maxwell shows how physicians who tried to use the older methods were threatened with loss of their medical license or were more harshly punished. These include Emanuel Revici, Virginia Livingston, and Robert Lincoln. She also argues that Edward Jenner engaged on fraud re smallpox vaccination.

Gain confidence and competence with HEALTH ASSESSMENT & PHYSICAL EXAMINATION, fifth edition! Promoting healthy outcomes in patients begins with thorough and knowledgeable assessment, a key nursing responsibility. As you develop and refine your examination skills, you will learn to view the patient from a holistic perspective of not only physical well-being, but social, spiritual, emotional, and psychological health as well. With HEALTH ASSESSMENT & PHYSICAL EXAMINATION fifth edition you will gain the confidence and technical skills required of a competent and well-trained professional. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Consider the LiliesA Review of Cures for Cancer and their Unlawful SuppressionTrine Day

This book constitutes the proceedings of the 25th International Conference on Automated Deduction, CADE-25, held in Berlin, Germany, in August 2015. The 36 revised full papers presented (24 full papers and 12 system descriptions) were carefully reviewed and selected from 85 submissions. CADE is the major forum for the presentation of research in all aspects of automated deduction, including foundations, applications, implementations and practical experience.

Ethical and Legal Issues in Neurology

2100+ MCQs with Explanatory Notes For GENERAL SCIENCE 2nd Edition

Health Assessment and Physical Examination

Modality, Aspect and Negation in Persian

25th International Conference on Automated Deduction, Berlin, Germany, August 1-7, 2015, Proceedings

Analytics, Econometrics, and Numerics

This volume contains the papers presented at the “Second International S- posium on Foundations of Information and Knowledge Systems” (FoIKS 2002), which was held in Schloß Salzau, Germany from February 20th to 23rd, 2002. FoIKS is a biennial event focusing on theoretical foundations of information and knowledge systems. It aims to bring together researchers working on the theoretical foundations of information and knowledge systems and to attract researchers working in mathematical ?elds such as discrete mathematics, c- binatorics, logics, and ?nite model theory who are interested in applying their theories to research on database and knowledge base theory. FoIKS took up the tradition of the conference series “Mathematical Fundamentals of Database S- tems” (MFDBS) which enabled East-West collaboration in the ?eld of database theory. The ?rst FoIKS symposium was held in Burg, Spreewald (Germany) in 2000. Former MFDBS conferences were held in Dresden (Germany) in 1987, Visegr ? ad (Hungary) in 1989, and in Rostock (Germany) in 1991. Proceedings of these previous events were published by Springer-Verlag as volumes 305, 364, 495, and 1762 of the LNCS series. In addition the FoIKS symposium is intended to be a forum for intensive d- cussions. For this reason the time slot of long and short contributions is 60 and 30 minutes respectively, followed by 30 and 15 minutes for discussions, respectively. Furthermore, participants are asked in advance to prepare as correspondents to a contribution of another author. There are also special sessions for the pres- tation and discussion of open research problems.

The second edition of the successful and definitive nursing textbook, Nursing Practice is designed to support the student throughout the entire nursing degree. Structured around the latest Nursing and Midwifery Council Code of Conduct, it explores a range of clinical and professional issues that the student will need to know, in one complete and accessible volume. Thoroughly updated and with full-colour, high quality illustrations throughout, this new edition features an additional chapter on the principles of supporting families and carers in practice, advice on revalidation, as well as a number of learning features and activities to help consolidate learning. Nursing Practice provides invaluable information to enable not just student nurses, but also those who are qualified and members of the extended nursing family, to develop a deeper understanding of their patients’ needs and to ensure that they are practicing safely and effectively.

Commodity markets present several challenges for quantitative modeling. These include high volatilities, small sample data sets, and physical, operational complexity. In addition, the set of traded products in commodity markets is more limited than in financial or equity markets, making value extraction through trading more difficult. These facts make it very easy for modeling efforts to run into serious problems, as many models are very sensitive to noise and hence can easily fail in practice. Modeling and Valuation of Energy Structures is a comprehensive guide to quantitative and statistical approaches that have been successfully employed in support of trading operations, reflecting the author's 17 years of experience as a front-office 'quant'. The major theme of the book is that simpler is usually better, a message that is drawn out through the reality of incomplete markets, small samples, and informational constraints. The necessary mathematical tools for understanding these issues are thoroughly developed, with many techniques (analytical, econometric, and numerical) collected in a single volume for the first time. A particular emphasis is placed on the central role that the underlying market resolution plays in valuation. Examples are provided to illustrate that robust, approximate valuations are to be preferred to overly ambitious attempts at detailed qualitative modeling.

This three volume set (CCIS 853-855) constitutes the proceedings of the 17th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, IPMU 2017, held in Cádiz, Spain, in June 2018. The 193 revised full papers were carefully reviewed and selected from 383 submissions. The papers are organized in topical sections on advances on explainable artificial intelligence; aggregation operators, fuzzy metrics and applications; belief function theory and its applications; current techniques to model, process and describe time series; discrete models and computational intelligence; formal concept analysis and uncertainty; fuzzy implication functions; fuzzy logic and artificial intelligence problems; fuzzy mathematical analysis and applications; fuzzy methods in data mining and knowledge discovery; fuzzy transforms: theory and applications to data analysis and image processing; imprecise probabilities: foundations and applications; mathematical fuzzy logic, mathematical morphology; measures of comparison and entropies for fuzzy sets and their extensions; new trends in data aggregation; pre-aggregation functions and generalized forms of monotonicity; rough and fuzzy similarity modelling tools; soft computing for decision making in uncertainty; soft computing in information retrieval and sentiment analysis; tri-partitions and uncertainty; decision making (OVIP) and applications; logical methods in mining knowledge from big data; metaheuristics and machine learning; optimization models for modern analytics; uncertainty in medicine; uncertainty in Video/Image Processing (UVIP).

Essays in Honour of Walter Isard, Volume 1

Transactions on Rough Sets IV

CRM Proceedings & Lecture Notes

Distributed and Parallel Database Object Management

Succeeding in Business with Microsoft Excel 2013: A Problem-Solving Approach

AI 2003: Advances in Artificial Intelligence

The thoroughly Revised & Updated 2nd Edition of the ebook 2100+ MCQs with Explanatory Notes For GENERAL SCIENCE' has been divided into 6 chapters which have been further divided into 29 Topics containing 2100+ “Multiple Choice Questions” for Quick Revision and Practice. The Unique Selling Proposition of the book is the explanation to each and every question which provides additional info to the students on the subject of the questions and correct reasoning wherever required. The questions have been selected on the basis of the various types of questions being asked in the various exams.

This book constitutes the proceedings of the 18th International Workshop on Combinatorial Image Analysis, IWCIA 2017, held in Plovdiv, Bulgaria, in June 2017. The 27 revised full papers presented were carefully reviewed and selected from 47 submissions. The workshop is organized in topical sections of theoretical foundations and theory of applications, namely: discrete geometry and topology; tilings and patterns; grammars, models and other technical tools for image analysis; image segmentation, classification; reconstruction; compression; texture analysis; bioimaging.

Saving Truth from Paradox is an ambitious investigation into paradoxes of truth and related issues, with occasional forays into notions such as vagueness, the nature of validity, and the Gödel incompleteness theorems. Hartry Field presents a new approach to the paradoxes and provides a systematic and detailed account of the main competing approaches. Part One examines Tarski’s, Kripke’s, and Lukasiewicz’s theories of truth, and discusses validity and soundness, and vagueness. Part Two considers a wide range of attempts to resolve the paradoxes within classical logic. In Part Three Field turns to non-classical theories of truth that that restrict excluded middle. He shows that there are theories of this sort in which the conditionals obey many of the classical laws, and that all the semantic paradoxes (not just the simplest ones) can be handled consistently with the naive theory of truth. In Part Four, these theories are extended to the property-theoretic paradoxes and to various other paradoxes, and some issues about the understanding of the notion of validity are addressed. Extended paradoxes, involving the notion of determinate truth, are treated very thoroughly, and a number of different arguments that the theories lead to “revenge problems” are addressed. Finally, Part Five deals with dialethic approaches to the paradoxes: approaches which, instead of restricting excluded middle, accept certain contradictions but alter classical logic so as to keep them confined to a relatively remote part of the language. Advocates of dialethic theories have argued them to be better than theories that restrict excluded middle, for instance over issues related to the incompleteness theorems and in avoiding revenge problems. Field argues that dialetheists’ claims on behalf of their theories are quite unfounded, and indeed that on some of these issues all current versions of dialetheism do substantially worse than the best theories that restrict excluded middle.

Distributed and Parallel Database Object Management brings together in one place important contributions and state-of-the-art research results in this rapidly advancing area of computer science. Distributed and Parallel Database Object Management serves as an excellent reference, providing insights into some of the most important issues in the field.

Proceedings of the Fourth International Congress on Mathematical Education

British Medical Journal

Nursing Practice

Journals of the House of Commons of the Dominion of Canada

Combinatorial Image Analysis

16th Australian Conference on AI, Perth, Australia, December 3-5, 2003, Proceedings

This revised and updated text contains a range of relevant, interesting case law, statutory material, academic extracts and official proposals for law reform. A companion web site featuring web links and case updates ensures students have access to the latest materials.

17th International Conference on Automated Deduction Pittsburgh, PA, USA, June 17-20, 2000 Proceedings

Abstract State Machines 2004. Advances in Theory and Practice

Advances in Artificial Life

Wiley CPAexcel Exam Review 2014 Study Guide

Todd & Watt’s Cases and Materials on Equity and Trusts