

## 0625 62 Physics March 2017 Qp Dynamic Papers

Fundamental World of Quantum Chemistry Mastering Secretarial Procedures Graph Theory and Feynman Integrals Brain Tumor Imaging Guinness World Records: Science & Stuff Numerical Methods in Scientific Computing: A Survey of Relaxations and Approximations of the Power Flow Equations Acoustics and Vibration of Mechanical Structures—AVMS-2017 Quantum Science Methods and Structure Chaos, Scattering and Statistical Mechanics Calculus for Computer Graphics The Cambridge Guide to African American History Music Technology with Swing Numerical Methods for Stochastic Partial Differential Equations with White Noise Lange's Handbook of Chemistry Fixed Income Securities Tidal Dynamics : Coastal Flooding and Cycles of Gravitational Force Civilian Personnel Management: Dodi 1400.25 Great Italian American Food in New England Fundamentals of Mathematical Statistics LASL Shock Hugoniot Data Cambridge IGCSE® Physical Science Physics Workbook Cambridge IGCSE® Chemistry Practical Workbook Quantum Computation and Quantum Information Bone and Cartilage Regeneration IGCSE English as a Second Language Teacher's Book Selected Works Of Hans A Bethe (With Commentary) Applied Computational Intelligence and Mathematical Methods Cambridge O-Level Statistics Coursebook Brownian Motion Statistical Inference Revitalization of the Am Radio Service (Us Federal Communications Commission Regulation) (Fcc) (2018 Edition) Questions and Answers Simple Brownian Diffusion Cambridge IGCSE Physics Coursebook with CD-ROM Artificial Intelligence and Algorithms in Intelligent

SystemsFire MusePhysicsManagement, Information and PowerAMST'05 Advanced  
Manufacturing Systems and Technology

## **Fundamental World of Quantum Chemistry**

This book builds theoretical statistics from the first principles of probability theory. Starting from the basics of probability, the authors develop the theory of statistical inference using techniques, definitions, and concepts that are statistical and are natural extensions and consequences of previous concepts. Intended for first-year graduate students, this book can be used for students majoring in statistics who have a solid mathematics background. It can also be used in a way that stresses the more practical uses of statistical theory, being more concerned with understanding basic statistical concepts and deriving reasonable statistical procedures for a variety of situations, and less concerned with formal optimality investigations.

## **Mastering Secretarial Procedures**

Explore the Italian enclaves in different parts of the six states and the evolution of Italian heritage cuisine. What part of Italy did the immigrants come from? How did they adapt recipes and use new ingredients? How did those recipes evolve over

the years? Included are profiles of the people, places, and communities that made the largest impact and interviews with descendants including: local chefs, famous pizzeria owners, Italian butchers, home cooks, celebrities, and specialty shops purveyors. Alongside these stories is a mix of historical and modern photos as well as more than 50 classic recipes passed down through generations and some from establishments that still thrive today. Part historical record, part travelogue, part cookbook, Great Italian American Food in New England is fascinating glimpse into this rich New England heritage.

## **Graph Theory and Feynman Integrals**

Students studying computer animation and computer games have to be familiar with geometry, matrices, vectors, rotation transforms, quaternions, curves and surfaces, and as computer graphics software becomes increasingly sophisticated, calculus is also being used to resolve its associated problems. The author draws upon his experience in teaching mathematics to undergraduates to make calculus appear no more challenging than any other branch of mathematics. He introduces the subject by examining how functions depend upon their independent variables, and then derives the appropriate mathematical underpinning and definitions. This gives rise to a function's derivative and its antiderivative, or integral. Using the idea of limits, the reader is introduced to derivatives and integrals of many common functions. Other chapters address higher-order derivatives, partial

derivatives, Jacobians, vector-based functions, single, double and triple integrals, with numerous worked examples, and over a hundred illustrations. Calculus for Computer Graphics complements the author's other books on mathematics for computer graphics, and assumes that the reader is familiar with everyday algebra, trigonometry, vectors and determinants. After studying this book, the reader should understand calculus and its application within the world of computer games and animation.

## **Brain Tumor Imaging**

## **Guinness World Records: Science & Stuff**

Intended for high school and college students, teachers, adult educational groups, and general readers, this book is of value to them primarily as a learning and reference tool. It also provides a critical perspective on the actions and legacies of ordinary and elite blacks and their non-black allies.

## **Numerical Methods in Scientific Computing:**

A "Festschrift" volume fulfils a more far-reaching purpose than the laudatory one. It

shows how science develops as a result of the activities - scientific and organizational - of an individual person. Scientific achievement cannot be subjected to the very refined measurement techniques of science itself, but there is a continuous mutual evaluation among scientists which manifests itself through refereeing, literature citation and dedicatory volumes like the present one. Near and distant associates of Per-Olov Lowdin were enthusiastic about the idea of a tribute to him in the form of a collection of scientific papers on the occasion of his sixtieth birthday. Monographs and journals have fairly well-defined readerships. This book is directed to a wider group of scientists. It presents reviews of areas where Lowdin's work has influenced the development as well as research papers with original results. We feel that it can serve as a source on the current status of the quantum theory of matter for scientists in neighbouring fields. It might also provide stimulus for renewed scientific efforts among scientists turned administrators and will certainly be relevant for teachers and students of quantum theory.

## **A Survey of Relaxations and Approximations of the Power Flow Equations**

## **Acoustics and Vibration of Mechanical Structures—AVMS-2017**

This work addresses the increasingly important role of numerical methods in science and engineering. It combines traditional and well-developed topics with other material such as interval arithmetic, elementary functions, operator series, convergence acceleration, and continued fractions.

## **Quantum Science Methods and Structure**

Offers clear, practical support for students for the CIE syllabus The teachers workbook goes alongside the pupil book. Written by an experienced IGCSE teacher and CIE teacher trainer, English as a Second Language offers clear, practical support for students. Endorsed by the University of Cambridge International Examinations for use with the syllabus, It is divided into succinct units based on the skill areas of the IGCSE examination. The units adopt a lively approach to the subject, utilising a diverse range of stimulus material. They also include imaginative and stimulating exercises designed to build confidence and develop the skills needed to succeed in the examination. A students workbook is also available.

## **Chaos, Scattering and Statistical Mechanics**

The Cambridge IGCSE Physics Coursebook has been written and developed to

provide full support for the University of Cambridge International Examinations (CIE) IGCSE Physics syllabus (0625). The book is in full colour and includes a free CD-ROM. Topics are introduced in terms of their relevance to life in the 21st century. The CD-ROM offers a full range of supporting activities for independent learning, with exemplar examination questions and worked answers with commentary. Activity sheets and accompanying notes are also included on the CD-ROM. Written and developed to provide full support for the Cambridge IGCSE Physics syllabus offered by CIE.

### **Calculus for Computer Graphics**

This book presents the latest trends and approaches in artificial intelligence research and its application to intelligent systems. It discusses hybridization of algorithms, new trends in neural networks, optimisation algorithms and real-life issues related to the application of artificial methods. The book constitutes the second volume of the refereed proceedings of the Artificial Intelligence and Algorithms in Intelligent Systems of the 7th Computer Science On-line Conference 2018 (CSOC 2018), held online in April 2018.

### **The Cambridge Guide to African American History**

The techniques described in this monograph form the basis of running an optimally efficient modern day power system. It is a must-read for all students and researchers working on the cutting edge of electric power systems.

## **Music Technology with Swing**

Hans A Bethe received the Nobel Prize for Physics in 1967 for his work on the production of energy in stars. A living legend among the physics community, he helped to shape classical physics into quantum physics and increased the understanding of the atomic processes responsible for the properties of matter and of the forces governing the structures of atomic nuclei. This collection of papers by Prof Bethe dates from 1928, when he received his PhD, to now. It covers several areas and reflects the many contributions in research and discovery made by one of the most important and eminent physicists of all time. Special commentaries have been written by Prof Bethe to complement the selected papers.

## **Numerical Methods for Stochastic Partial Differential Equations with White Noise**

This book describes the basics, the challenges and the limitations of state of the art brain tumor imaging and examines in detail its impact on diagnosis and



treatment monitoring. It opens with an introduction to the clinically relevant physical principles of brain imaging. Since MR methodology plays a crucial role in brain imaging, the fundamental aspects of MR spectroscopy, MR perfusion and diffusion-weighted MR methods are described, focusing on the specific demands of brain tumor imaging. The potential and the limits of new imaging methodology are carefully addressed and compared to conventional MR imaging. In the main part of the book, the most important imaging criteria for the differential diagnosis of solid and necrotic brain tumors are delineated and illustrated in examples. A closing section is devoted to the use of MR methods for the monitoring of brain tumor therapy. The book is intended for radiologists, neurologists, neurosurgeons, oncologists and other scientists in the biomedical field with an interest in neuro-oncology.

## **Lange's Handbook of Chemistry**

This book describes the theory of how processes on the unobservable molecular scale give rise to observable effects such as diffusion and electrical noise on the macroscopic or laboratory scale. It puts the modern theory into historical context, and features new applications, statistical mechanics derivations, and the mathematical background of the topic.

## **Fixed Income Securities**

In Fire Muse, Cynthia Huntington returns to the back shore of Provincetown and the beach and dunes that inspired her 1999 memoir, The Salt House. Reflecting on place, time, and memory, Huntington's poems display a kind of ecstasy born of love for her surroundings and a keen awareness of their sweep and details. Attentive to the outer world as well as what lies within, in these poems we find Huntington exploring her deepening bond with a familiar place.

## **Tidal Dynamics : Coastal Flooding and Cycles of Gravitational Force**

Per-Olov Löwdin's stature has been a symbol of the world of quantum theory during the past five decades, through his basic contributions to the development of the conceptual framework of Quantum Chemistry and introduction of the fundamental concepts; through a staggering number of regular summer schools, winter institutes, innumerable lectures at Uppsala, Gainesville and elsewhere, and Sanibel Symposia; by founding the International Journal of Quantum Chemistry and Advances in Quantum Chemistry; and through his vision of the possible and his optimism for the future, which has inspired generations of physicists, chemists, mathematicians, and biologists to devote their lives to molecular electronic theory

and dynamics, solid state, and quantum biology. Fundamental World of Quantum Chemistry: Volumes I, II and III form a collection of papers dedicated to the memory of Per-Olov Löwdin. These volumes are of interest to a broad audience of quantum, theoretical, physical, biological, and computational chemists; atomic, molecular, and condensed matter physicists; biophysicists; mathematicians working in many-body theory; and historians and philosophers of natural science.

## **Civilian Personnel Management: Dodi 1400.25**

The first book about chaos in statistical mechanics, in Cambridge Nonlinear Science Series.

## **Great Italian American Food in New England**

Guinness World Records: Science & Stuff is a whirlwind tour through the astounding, record-breaking world (and universe) around us, with an intro from TV science educator and author Science Bob. Packed with spectacular superlatives, shocking stats, fantastic facts and fun figures, Science & Stuff celebrates the simple joy in finding things out. It tackles the big questions that keep people up at night, such as:

- Can you belch in space?
- What does woolly mammoth taste like?
- How much would the Death Star cost?
- Is the answer to this question no? Join us

as we rise from the depths of the ocean, home to vampire squids from hell, to the dizzy heights of the International Space Station, where scientists unravel the secrets of (pooping in) zero-g. On the way we stop to talk with some of the men and women who are out in the world finding answers and making stuff. Ever wanted to know what it's like to ride a motorized toilet at highway speeds, command a swarm of tiny robots or spend a year in space? Well, you'll find your answers in here. And that's not all – have a go at ten record-breaking science experiments in the special Make & Break section. Our very own mad professor, Burnaby Q Orbax, and his trusty lab assistant Sweet Pepper Klopek, guide you through at-home challenges, from the greatest height to drop an egg without it breaking to the farthest distance by a Mentos and soda car. It's gonna get messy! Guinness World Records: Science & Stuff – the grossest, smelliest, weirdest and noisiest guide to, well, science and stuff.

### **Fundamentals of Mathematical Statistics**

Providing a description of the forces that affect the valuation, risk and return of fixed income securities, this text outlines the importance of parameter data and the role of financial models.

### **LASL Shock Hugoniot Data**

This invaluable resource discusses clinical applications with effects and side-effects of applications of stem cells in bone and cartilage regeneration. Each chapter is contributed by a pre-eminent scientist in the field and covers such topics as skeletal regeneration by mesenchymal stem cells, clinical improvement of mesenchymal stem cell injection in injured cartilage and osteoarthritis, Good manufacturing practice (GMP), minimal criteria of stem cells for clinical applications, future directions of the discussed therapies and much more. Bone & Cartilage Regeneration and the other books in the Stem Cells in Clinical Applications series will be invaluable to scientists, researchers, advanced students and clinicians working in stem cells, regenerative medicine or tissue engineering.

### **Cambridge IGCSE® Physical Science Physics Workbook**

DODI 1400.25 Civilian Personnel Management - This book is Volume 1 of 4. This information was updated 8/22/2018. Buy the paperback from Amazon, get Kindle eBook FREE using Amazon MATCHBOOK. go to [www.usgovpub.com](http://www.usgovpub.com) to learn how. Volume 1. Chapter 100 to 805 Volume 2. Chapter 810 to 1406 Volume 3. Chapter 1407 to 1800 Volume 4. Chapter 2001 to 3007 (DCIPS) The purpose of the overall Instruction is to establish and implement policy, establish uniform DoD-wide procedures, provide guidelines and model programs, delegate authority, and assign responsibilities regarding civilian personnel management within the Department of Defense. Why buy a book you can download for free? We print this

book so you don't have to. First you gotta find a good clean (legible) copy and make sure it's the latest version (not always easy). Some documents found on the web are missing some pages or the image quality is so poor, they are difficult to read. We look over each document carefully and replace poor quality images by going back to the original source document. We proof each document to make sure it's all there - including all changes. If you find a good copy, you could print it using a network printer you share with 100 other people (typically its either out of paper or toner). If it's just a 10-page document, no problem, but if it's 250-pages, you will need to punch 3 holes in all those pages and put it in a 3-ring binder. Takes at least an hour. It's much more cost-effective to just order the latest version from Amazon.com This book includes original commentary which is copyright material. Note that government documents are in the public domain. We print these large documents as a service so you don't have to. The books are compact, tightly-bound, full-size (8 1/2 by 11 inches), with large text and glossy covers. 4th Watch Publishing Co. is a SDVOSB. [www.usgovpub.com](http://www.usgovpub.com)

### **Cambridge IGCSE® Chemistry Practical Workbook**

Cambridge IGCSE® Physical Science resources tailored to the 0652 syllabus for first examination in 2019, and all components of the series are endorsed by Cambridge International Examinations. This Physics Workbook is tailored to the Cambridge IGCSE® Physical Science (0652) syllabus for first examination in 2019

and is endorsed for learner support by Cambridge International Examinations. The workbook covers both the Core and the Supplement material with exercises that are designed to develop students' skills in problem-solving and data handling, planning investigations and application of theory to practice. Answers are provided at the back of the book.

### **Quantum Computation and Quantum Information**

Based on the principle of learning by doing. The book concentrates on developing the knowledge, skills and competencies required within the NVQ schemes for business administration levels I and II, as well as covering elementary/intermediate clerical duties and office skills courses.

### **Bone and Cartilage Regeneration**

Brownian diffusion, the motion of large molecules in a sea of very many much smaller molecules, is topical because it is one of the ways in which biologically important molecules move about inside living cells. This book presents the mathematical physics that underlies the four simplest models of Brownian diffusion.

## **IGCSE English as a Second Language Teacher's Book**

This book is a collection of papers presented at Acoustics and Vibration of Mechanical Structures 2017 – AVMS 2017 – highlighting the current trends and state-of-the-art developments in the field. It covers a broad range of topics, such as noise and vibration control, noise and vibration generation and propagation, the effects of noise and vibration, condition monitoring and vibration testing, modeling, prediction and simulation of noise and vibration, environmental and occupational noise and vibration, noise and vibration attenuators, as well as biomechanics and bioacoustics. The book also presents analytical, numerical and experimental techniques for evaluating linear and non-linear noise and vibration problems (including strong nonlinearity). It is primarily intended for academics, researchers and professionals, as well as PhD students in various fields of the acoustics and vibration of mechanical structures.

## **Selected Works Of Hans A Bethe (With Commentary)**

Knowledge updating is a never-ending process and so should be the revision of an effective textbook. The book originally written fifty years ago has, during the intervening period, been revised and reprinted several times. The authors have, however, been thinking, for the last few years that the book needed not only a



thorough revision but rather a substantial rewriting. They now take great pleasure in presenting to the readers the twelfth, thoroughly revised and enlarged, Golden Jubilee edition of the book. The subject-matter in the entire book has been re-written in the light of numerous criticisms and suggestions received from the users of the earlier editions in India and abroad. The basis of this revision has been the emergence of new literature on the subject, the constructive feedback from students and teaching fraternity, as well as those changes that have been made in the syllabi and/or the pattern of examination papers of numerous universities. Knowledge updating is a never-ending process and so should be the revision of an effective textbook. The book originally written fifty years ago has, during the intervening period, been revised and reprinted several times. The authors have, however, been thinking, for the last few years that the book needed not only a thorough revision but rather a substantial rewriting. They now take great pleasure in presenting to the readers the twelfth, thoroughly revised and enlarged, Golden Jubilee edition of the book. The subject-matter in the entire book has been re-written in the light of numerous criticisms and suggestions received from the users of the earlier editions in India and abroad. The basis of this revision has been the emergence of new literature on the subject, the constructive feedback from students and teaching fraternity, as well as those changes that have been made in the syllabi and/or the pattern of examination papers of numerous universities. Knowledge updating is a never-ending process and so should be the revision of an effective textbook. The book originally written fifty years ago has, during the

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### **Applied Computational Intelligence and Mathematical Methods**

This book constitutes the refereed proceedings of the 13th International Symposium on Music Technology with Swing, CMMR 2017, held in Matosinhos, Portugal, in September 2017. The 44 full papers presented were selected from 64 submissions. The papers are grouped in eight sections: music information retrieval, automatic recognition, estimation and classification, electronic dance music and

rhythm, computational musicology, sound in practice: auditory guidance and feedback in the context of motor learning and motor adaptation, human perception in multimodal context, cooperative music networks and musical HClS, virtual and augmented reality, research and creation: spaces and modalities.

## **Cambridge O-Level Statistics Coursebook**

This revised edition of 'Lange's Handbook of Chemistry' provides a vast compilation of facts, data, tabular material and experimental findings in every area of chemistry.

## **Brownian Motion**

## **Statistical Inference**

Manufacturing a product is not difficult, the difficulty consists in manufacturing a product of high quality, at a low cost and rapidly. Drastic technological advances are changing global markets very rapidly. In such conditions the ability to compete successfully must be based on innovative ideas and new products which has to be of high quality yet low in price. One way to achieve these objectives would be

through massive investments in research of computer based technology and by applying the approaches presented in this book. The First International Conference on Advanced Manufacturing Systems and Technology AMST87 was held in Opatija (Croatia) in October 1987. The Second International Conference on Advanced Manufacturing Systems and Technology AMSV90 was held in Trento (Italy) in June 1990. The Third, Fourth, Fifth and Sixth Conferences on Advanced Manufacturing Systems and Technology were all held in Udine (Italy) as follows: AMST93 in April 1993, AMST96 in September 1996, AMST99 in June 1999 and AMST02 in June 2002.

## **Revitalization of the Am Radio Service (Us Federal Communications Commission Regulation) (Fcc) (2018 Edition)**

One of the most cited books in physics of all time, Quantum Computation and Quantum Information remains the best textbook in this exciting field of science. This 10th anniversary edition includes an introduction from the authors setting the work in context. This comprehensive textbook describes such remarkable effects as fast quantum algorithms, quantum teleportation, quantum cryptography and quantum error-correction. Quantum mechanics and computer science are introduced before moving on to describe what a quantum computer is, how it can be used to solve problems faster than 'classical' computers and its real-world implementation. It concludes with an in-depth treatment of quantum information.

Containing a wealth of figures and exercises, this well-known textbook is ideal for courses on the subject, and will interest beginning graduate students and researchers in physics, computer science, mathematics, and electrical engineering.

### **Questions and Answers**

Revitalization of the AM Radio Service (US Federal Communications Commission Regulation) (FCC) (2018 Edition) The Law Library presents the complete text of the Revitalization of the AM Radio Service (US Federal Communications Commission Regulation) (FCC) (2018 Edition). Updated as of May 29, 2018 In this document, the Commission adopted a number of procedures and procedural changes designed to assist AM broadcasters to better serve the public, thereby advancing the Commission's fundamental goals of localism, competition, and diversity in broadcast media. This book contains: - The complete text of the Revitalization of the AM Radio Service (US Federal Communications Commission Regulation) (FCC) (2018 Edition) - A table of contents with the page number of each section

### **Simple Brownian Diffusion**

This edition of our successful series to support the Cambridge IGCSE Chemistry syllabus (0620) is fully updated for the revised syllabus from first examination from

2016. Written by an experienced teacher who is passionate about practical skills, the Cambridge IGCSE® Chemistry Practical Workbook makes it easier to incorporate practical work into lessons. This Workbook provides interesting and varied practical investigations for students to carry out safely, with guided exercises designed to develop the essential skills of handling data, planning investigations, analysis and evaluation. Exam-style questions for each topic offer novel scenarios for students to apply their knowledge and understanding, and to help them to prepare for their IGCSE Chemistry paper 5 or paper 6 examinations.

## **Cambridge IGCSE Physics Coursebook with CD-ROM**

### **Artificial Intelligence and Algorithms in Intelligent Systems**

This full-colour title is fully in line with the new separate-subject GCSE physics specifications, including IGCSE. It is appropriate for use throughout the world for GCSE studies. The language level and design have been carefully refined to make the book accessible to students of all abilities. Features to assist preparation for examinations include key topic lists at the start of each chapter, key ideas summaries at the end of each chapter, self-assessment questions throughout the text and sections of longer examination-style questions. A key feature is the

extensive use of detailed worked examples that guide students through the concepts, particularly the mathematical ideas. Differentiation is built in via the use of colour-coded extension material for higher achievers. In addition, novel contexts are used to illustrate the concepts; students will find this book appealing and accessible

### **Fire Muse**

This book covers numerical methods for stochastic partial differential equations with white noise using the framework of Wong-Zakai approximation. The book begins with some motivational and background material in the introductory chapters and is divided into three parts. Part I covers numerical stochastic ordinary differential equations. Here the authors start with numerical methods for SDEs with delay using the Wong-Zakai approximation and finite difference in time. Part II covers temporal white noise. Here the authors consider SPDEs as PDEs driven by white noise, where discretization of white noise (Brownian motion) leads to PDEs with smooth noise, which can then be treated by numerical methods for PDEs. In this part, recursive algorithms based on Wiener chaos expansion and stochastic collocation methods are presented for linear stochastic advection-diffusion-reaction equations. In addition, stochastic Euler equations are exploited as an application of stochastic collocation methods, where a numerical comparison with other integration methods in random space is made. Part III covers spatial white noise.

Here the authors discuss numerical methods for nonlinear elliptic equations as well as other equations with additive noise. Numerical methods for SPDEs with multiplicative noise are also discussed using the Wiener chaos expansion method. In addition, some SPDEs driven by non-Gaussian white noise are discussed and some model reduction methods (based on Wick-Malliavin calculus) are presented for generalized polynomial chaos expansion methods. Powerful techniques are provided for solving stochastic partial differential equations. This book can be considered as self-contained. Necessary background knowledge is presented in the appendices. Basic knowledge of probability theory and stochastic calculus is presented in Appendix A. In Appendix B some semi-analytical methods for SPDEs are presented. In Appendix C an introduction to Gauss quadrature is provided. In Appendix D, all the conclusions which are needed for proofs are presented, and in Appendix E a method to compute the convergence rate empirically is included. In addition, the authors provide a thorough review of the topics, both theoretical and computational exercises in the book with practical discussion of the effectiveness of the methods. Supporting Matlab files are made available to help illustrate some of the concepts further. Bibliographic notes are included at the end of each chapter. This book serves as a reference for graduate students and researchers in the mathematical sciences who would like to understand state-of-the-art numerical methods for stochastic partial differential equations with white noise.

### **Physics**



Cambridge O-Level Statistics develops the use of statistical techniques through a skill-building approach. Cambridge O-Level Statistics uses a skill-building approach that encourages the application of knowledge to a range of statistical problems. The coursebook provides learners with the opportunity to practice and consolidate the skills required of the Cambridge O Level (4040) syllabus, while understanding the ideas, methodology and terminology used in statistics.

## **Management, Information and Power**

Rev., expanded ed. of: The strategic role of perigeon spring tides in nautical history and North American coastal flooding, 1635-1976. 1978.

## **AMST'05 Advanced Manufacturing Systems and Technology**

The book discusses real-world problems and exploratory research in computational intelligence and mathematical models. It brings new approaches and methods to real-world problems and exploratory research that describes novel approaches in the mathematical methods, computational intelligence methods and software engineering in the scope of the intelligent systems. This book constitutes the refereed proceedings of the Computational Methods in Systems and Software 2017, a conference that provided an international forum for the discussion of the

latest high-quality research results in all areas related to computational methods, statistics, cybernetics and software engineering.

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