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Security and Privacy Apr 23 2022 This book consists of refereed selected papers from the International Conference on Security & Privacy – ICSP 2020. The book is focused on the state-of-the-art developments of network security, secure cryptographic protocols, post-quantum cryptography, quantum cryptography, block-chain and cryptocurrency, IoT security and privacy, cloud security, machine learning in cybersecurity, and other disciplines related to security and privacy. In this book, a wide variety of basic security primitives are discussed along with recent developments in some advanced topics like functional encryption, two-party/multi-party computation, bitcoin, cryptocurrency, and post-quantum security.

Insight Through Computing Jan 08 2021 An introduction to computer-based problem-solving using the MATLAB® environment for undergraduates.

International Symposium on Solar-Terrestrial Physics, São Paulo, Brazil, 1974: Magnetosphere Nov 25 2019

Digital Logic Circuits using VHDL Jun 01 2020 The book is written for an undergraduate course on digital electronics. The book provides basic concepts, procedures and several relevant examples to help the readers to understand the analysis and design of various digital circuits. It also introduces hardware description language, VHDL. The book teaches you the logic gates, logic families, Boolean algebra, simplification of logic functions, analysis and design of combinational circuits using SSI and MSI circuits and analysis and design of the sequential circuits. This book provides in-depth information about multiplexers, de-multiplexers, decoders, encoders, circuits for arithmetic operations, various types of flip-flops, counters and registers. It also covers asynchronous sequential circuits, memories and programmable logic devices.

Department of Veterans Affairs Publications Index Oct 29 2022 Index is composed of 3 sections: Basic classifications subject, Current VA directives, and Rescinded VA directives.

Axiomatic Fuzzy Set Theory and Its Applications Jun 25 2022 It is well known that "fuzziness"—informationgranulesand fuzzy sets as one of its formal manifestations— is one of important characteristics of human cognitionandcomprehensionofreality. Fuzzy phenomena existinnature and are encountered quite vividly within human society. The notion of a fuzzy set has been introduced by L. A. , Zadeh in 1965 in order to formalize human concepts, in connection with the representation of human natural language and computing with words. Fuzzy sets and fuzzy logic are used for mod- ing imprecise modes of reasoning that play a pivotal role in the remarkable human abilities to make rational decisions in an environment a?ected by - certainty and imprecision. A growing number of applications of fuzzy sets originated from the "empirical-semantic" approach. From this perspective, we were focused on some practical interpretations of fuzzy sets rather than being oriented towards investigations of the underlying mathematical str- tures of fuzzy sets themselves. For instance, in the context of control theory where fuzzy sets have played an interesting and practically relevant function, the practical facet of fuzzy sets has been stressed quite signi?cantly. However, fuzzy sets can be sought as an abstract concept with all formal underpinnings stemming from this more formal perspective. In the context of applications, it is worth underlying that membership functions do not convey the same meaning at the operational level when being cast in various contexts.

Linear Models for the Prediction of Animal Breeding Values Apr 11 2021 The prediction of producing desirable traits in offspring such as increased growth rate, or superior meat, milk and wool production is a vital economic tool to the animal scientist. Summarising the latest developments in genomics relating to animal breeding values and design of breeding programmes, this new edition includes models of survival analysis, social interaction and sire and dam models, as well as advancements in the use of SNPs in the computation of genomic breeding values.

Android Hacker's Handbook Jul 14 2021 The first comprehensive guide to discovering and preventingattacks on the Android OS As the Android operating system continues to increase its shareof the smartphone market, smartphone hacking remains a growingthreat. Written by experts who rank among the world's foremostAndroid security researchers, this book presents vulnerabilitydiscovery, analysis, and exploitation tools for the good guys.Following a detailed explanation of how the Android OS works andits overall security architecture, the authors examine howvulnerabilities can be discovered and exploits developed forvarious system components, preparing you to defend againstthem. If you are a mobile device administrator, security researcher,Android app developer, or consultant responsible for evaluatingAndroid security, you will find this guide is essential to yourtoolbox. A crack team of leading Android security researchers explainAndroid security risks, security design and architecture, rooting,fuzz testing, and vulnerability analysis Covers Android application building blocks and security as wellas debugging and auditing Android apps Prepares mobile device administrators, security researchers,Android app developers, and security consultants to defend Androidsystems against attack Android Hacker's Handbook is the first comprehensiveresource for IT professionals charged with smartphonesecurity.

Metaheuristics for Production Systems Mar 10 2021 This book discusses the main techniques and newest trends to manage and optimize the production and service systems. The book begins by examining the three main levels of decision systems in production: the long term (strategic), the middle term (tactical) and short term (operational). It also considers online management as a new level (a sub level of the short term). As each level encounters specific problems, appropriate approaches to deal with these are introduced and explained. These problems include the line design, the line balancing optimization, the physical layout of the production or service system, the forecasting optimization, the inventory management, the scheduling etc. Metaheuristics for Production Systems then explores logistic optimization from two different perspectives: internal (production management), addressing issues of scheduling, layout and line designs, and external (supply chain management) focusing on transportation optimization, supply chain evaluation, and location of production. The book also looks at NP-hard problems that are common in production management. These complex configurations may mean that optimal solutions may not be reached due to variables, but the authors help provide a good solution for such problems. The effective new results and solutions offered in this book should appeal to researchers, managers, and engineers in the production and service industries.

U.S. Army Register May 24 2022

Denkschriften der Kaiserlichen Akademie der Wissenschaften, Mathematisch-Naturwissenschaftliche Classe Jul 02 2020 Vol. 65, 69, 74, etc. include Berichte der Kommission für Oceanographische Forschungen im Rothen Meere.

Application and Theory of Petri Nets 2000 Jul 22 2019 This book constitutes the thoroughly refereed post-conference proceedings of the 6th Congress of the Italian Association for Artificial Intelligence, AI*IA 99, held in Bologna, Italy, in September 1999. The 33 revised full papers presented were carefully reviewed and selected for inclusion in the book from a total of 64 congress submissions. The papers are organized in topical sections on knowledge representation; automated reasoning; temporal and qualitative reasoning; machine learning, data mining, and theory revision; natural language processing and web interfaces; multi-agent systems; perception and robotics; and planning and scheduling.

Advances in Cryptology — CRYPTO '94 Aug 27 2022 The CRYPTO '94 conference is sponsored by the International Association for Cryptologic Research (IACR), in co-operation with the IEEE Computer Society Technical Committee on Security and Privacy. It has taken place at the Univ- sity of California, Santa Barbara, from August 21-25,1994. This is the fourteenth annual CRYPTO conference, all of which have been held at UCSB. This is the first time that proceedings are available at the conference. The General Chair, Jimmy R. Upton has been responsible for local organization, registration, etc. There were 114 submitted papers which were considered by the Program Committee. Of these, 1 was withdrawn and 38 were selected for the proce- ings. There are also 3 invited talks. Two of these are on aspects of cryptog- phy in the commercial world. The one on hardware aspects will be presented by David Maher (AT&T), the one on software aspects by Joseph Pato (Hewlett- Packard). There will also be a panel discussion on "Securing an Electronic World: Are We Ready?" The panel members will be: Ross Anderson, Bob Blakley, Matt Blaze, George Davida, Yvo Desmedt (moderator), Whitfield Diffie, Joan Feig- baum, Blake Greenlee, Martin Hellman, David Maher, Miles Smid. The topic of the panel will be introduced by the invited talk of Whitfield Diffie on

"Securing the Information Highway. " These proceedings contain revised versions of the 38 contributed talks. Each i paper was sent to at least 3 members of the program committee for comments.

Industrial Engineering: Concepts, Methodologies, Tools, and Applications Jul 26 2022 Industrial engineering affects all levels of society, with innovations in manufacturing and other forms of engineering oftentimes spawning cultural or educational shifts along with new technologies. Industrial Engineering: Concepts, Methodologies, Tools, and Applications serves as a vital compendium of research, detailing the latest research, theories, and case studies on industrial engineering. Bringing together contributions from authors around the world, this three-volume collection represents the most sophisticated research and developments from the field of industrial engineering and will prove a valuable resource for researchers, academics, and practitioners alike.

Handbook of Algorithms for Physical Design Automation Nov 18 2021 The physical design flow of any project depends upon the size of the design, the technology, the number of designers, the clock frequency, and the time to do the design. As technology advances and design-styles change, physical design flows are constantly reinvented as traditional phases are removed and new ones are added to accommodate changes in

Fast Fourier Transforms, Second Edition Dec 27 2019 This new edition of an indispensable text provides a clear treatment of Fourier Series, Fourier Transforms, and FFTs. The unique software, included with the book and newly updated for this edition, allows the reader to generate, firsthand, images of all aspects of Fourier analysis described in the text. Topics covered include :

Standard Finance System (STANFINS) Aug 03 2020

1990 ?????????? Dec 07 2020

Zeitschrift für das Berg-, Hütten und Salinenwesen im preussischen Staate Apr 30 2020 Vols. 1-52 include atlases.

Zeitschrift fur Mathematik und Physik Feb 27 2020

The Architecture of Music Volume 1.0 Sep 28 2022 The Architecture of Music Volume 1.0 is the most complete combined chord, scale, and mode encyclopedia for the guitar and piano ever created, an effort almost two decades in the making. The chord encyclopedia includes more than 300 unique chords, and depicts every possible way to play them on the guitar and piano. The scale and mode encyclopedia contains 5 scales (33 modes) in every key, as well as complete lists of chords included in the chord encyclopedia that you are able to play with every note, in every scale, in every key. The book's two new innovative diagrams, the interval diagram and linear circle of fifths, expose the architecture behind chords, scales, and modes, and explain basic music theory without the use of standard musical notation. The information contained within is meant to be used as a comprehensive reference guide and tool for exploring and analyzing chords, scales, and modes through musical improvisation and composition.

PIC16F1847 Microcontroller-Based Programmable Logic Controller, Three Volume Set Sep 16 2021 Programmable logic controllers (PLCs) have been used extensively and are offered in terms of functions, program memories, and the number of inputs/outputs (I/Os), ranging from a few to thousands. With a focus on how to design and implement a PLC, this set explains hardware and associated basic concepts, intermediary and advanced concepts of PLC (using PIC16F1847 microcontroller). Flowcharts are provided to help the understanding of macros (instructions). Twenty application examples to show how to use the PIC16F1847-Based PLC in different control applications, related files for hardware and software components, and appendices are also provided. Aimed at researchers and graduate students in electrical engineering, power electronics, robotics and automation, sensors, this book: Explains how to design and use a PIC16F1847 microcontroller-based PLC including easy to use software structures. Covers concepts like Contact and Relay Based Macros, Flip-Flop Macros, Timer Macros, Counter Macros and Comparison Macros. Presents arithmetical and logical macros to carry out arithmetical and logical operations to be used for 8-bit or 16-bit variables and/or constant values. Illustrates program control macros to enable or disable a block of PLC program or to move execution of a program from one place to another. Discusses the implementation of Sequential Function Chart (SFC) elements with up to 24 steps.

Kalender für Eisenbahn-Techniker Aug 23 2019

Wolf Prize in Mathematics Jan 28 2020

Computer Arithmetics for Nanoelectronics Oct 17 2021 Emphasizes the Basic Principles of Computational Arithmetic and Computational Structure Design Taking an interdisciplinary approach to the nanoscale generation of computer devices and systems, Computer Arithmetics for Nanoelectronics develops a consensus between computational properties provided by data structures and phenomenological properties of nano and molecular technology. Covers All Stages of the Design Cycle, from Task Formulation to Molecular-Based Implementation The book introduces the theoretical base and properties of various data structures, along with techniques for their manipulation, optimization, and implementation. It also assigns the computational properties of logic design data structures to 3D structures, furnishes information-theoretical measures and design aspects, and discusses the testability problem. The last chapter presents a nanoscale prospect for natural computing based on assorted computing paradigms from nature. Balanced Coverage of State-of-the-Art Concepts, Techniques, and Practices Up-to-date, comprehensive, and pragmatic in its approach, this text provides a unified overview of the relationship between the fundamentals of digital system design, computer architectures, and micro- and nanoelectronics.

Nuclear Reactors Dec 19 2021 Worldwide interest in nuclear reactors continues to increase and significant focus has been placed on advanced nuclear reactors intended to produce electricity and process heat. However, there is limited literature on the importance of research reactors and certain specialized reactor analysis topics. Thus, this book addresses these topics over three sections: "Nuclear Reactors for Spacecraft Propulsion", "Research Reactors", and "Select Reactor Analysis Techniques". It provides detailed information on the use of nuclear reactors for spacecraft propulsion, presents research conducted on reactors in Idaho, USA, and discusses reactor analysis topics such as cyber-informed engineering for nuclear reactor digital instrumentation and control, the effect of plenum gas on fuel temperature, and more.

Vollständiges sachregister zu Die physik auf grundlage der erfahrung Jun 13 2021

Mathematische Annalen Oct 25 2019

Proceedings of Conference LXII, 8th Joint Meeting of the U. S. Japan Conference on Natural Resources, Panel on Earthquake Prediction Technology Aug 15 2021 Includes papers on: tsunamis in Puget Sound, WA; the 1964 Alaska Earthquake; earthquake prediction in the Tokyo area; an overview of the 1992 Joshua Tree, Landers and Big Bear earthquakes; seismicity in the Western U.S. and much more. 26 papers.

Jahrbuch des Norwegischen Meteorologischen Instituts für ... Sep 23 2019

The Boardgamer Volume 4 Mar 22 2022 The Boardgamer magazine was a quarterly magazine devoted primarily, but not exclusively, to the coverage of Avalon Hill / Victory Games titles and to other aspects of the boardgaming hobby. Initially, The Boardgamer's publication ran concurrently with Avalon Hill's house magazine, The General, but instead of focusing on new releases, it devoted coverage to those classic, Avalon Hill games which no longer graced the pages of The General. Following the cessation of The General in June 1998, The Boardgamer was the primary periodical dedicated to the titles from AH/VG, until its final issue in 2004. The contents of this volume consists of: Home Fleet - Team Variants & Short Scenario For Atlantic Storm Here Come The Rebels - Scenario 6 - From Frederick To Sharpsburg Guns Of August - A West Front 1914 Scenario Sideshows & Diversions - Article #3 In The Third Reich Workshop Series The British Receding - A 1776 Series Replay Patton's Other Best - The Saga Of The 2nd Armored Division Avaloncon 1998 - More Returns From The National Championships AREA Ratings Mayhem In Manila - ASL Series Replay Operation Blau - A Variant For Russian Front Alone Against The Blitz - Optional Rules For London's Burning Honorable Diplomatic Advice - From The 1996 AvalonCon Diplomacy Champion The First Peloponnesian War - A Variant For Peloponnesian War What Do We Do Without Carriers? - A Victory In The Pacific Game Narrative Circus Maximus Chariot Generation - A Non-Random Method To Start Circus Maximus Tournament Bitter Woods - Four December Days in the Ardennes The Rifle Grenade In Up Front - A New Option 1999 Midwest Open - Victory In The Pacific Tournament Crowning Strategies For The British - Strategy In We The People Ghosts Of The Third World War - Tournament Rules and Scenarios for MBT The Heir To The Rex - A Tyranno Ex Variant A Diamond In The Rough - The 1812 Scenario In War & Peace Breakout: Normandy Series Replay, Part 1 - Commentary by German Player and Neutral Commentary Breakout: Normandy Series Replay, Part 2 - Commentary by German Player and Neutral Commentary Katyusha - Russia's Secret Weapon Against The Blitz Lesser Mortals - Historical Intermediate and Short Games for Successors Warhorses And Nags - The Planes in the Mustangs Stable Attack Sub - Some More Options Fixing Hitler's War - Correcting Some of the Obvious Bugs A Difficult Birth In Baltimore - History of the Gamer's Guide to Third Reich The Editor Went Down To Baltimore - He Was Looking For Some Plaques To Steal

Federal Register Mar 30 2020

Manuals Combined: Over 300 U.S. Army Operator and Calibration Manuals For The Multimeter, Oscilloscope, Voltimeter, Microwave Pulse Counter, Gage, Caliper & Calibrator Feb 09 2021 Well over 9,000 Total Pages - Just a SAMPLE of what is included: CALIBRATION PROCEDURE FOR DIAL INDICATING PRESSURE GAGES CALIBRATION PROCEDURE FOR VERNIER CALIPERS, TYPE 1 CLASSES 1, 2 3 7 Pages CALIBRATION PROCEDURE FOR TORQUE WRENCH, RAYMOND ENGINEERING, I MODEL PD 730 8 Pages CALIBRATION PROCEDURE FOR TORQUE WRENCHES AND TORQUE SCREWDRIVE (GENERAL) CALIBRATION PROCEDURE FOR PYROMETER AND THERMOCOUPLE TESTER, TYPE N-3A CALIBRATION PROCEDURES FOR HYDRAULIC ACTUATOR TEST STAND, BARKL AND DEXTER MDL BDL 812121 CALIBRATION PROCEDURE FOR VIBRATION MONITORING KIT CONSOLIDATED ELECTRODYNAMICS TYPE 1-117 CALIBRATION PROCEDURE FOR VIBREX BALANCE KIT, MODEL B4591 CONSI OF VIBREX TESTER, MODEL 11, BLADE TRACKER, MODEL 135M-11 AND BA PHAZOR, MODEL 177M-6A CALIBRATION PROCEDURE FOR FORCE TORQUE READOUT MIS-38934 TYPE I AND TYPE II CALIBRATION PROCEDURE FOR STRAIN GAGE SIMULATOR ARREL ENTERPRISES, MODEL SGS-300 CALIBRATION PROCEDURE FOR PRESSURE GAGES DIFFERENTIAL (GENERAL) CALIBRATION PROCEDURE FOR FUEL

QUANTITY SYSTEM TEST SET SIMMONDS PRECISION/JC AIR, MODEL PSD 60-1AF CALIBRATION PROCEDURE FOR OPTICAL POWER TEST SET, TS-4358/G CALIBRATION PROCEDURE FOR PROTRACTOR, BLADE, MODEL PE-105 CALIBRATION PROCEDURE FOR GAGE, HEIGHT, VERNIER MODEL 454 CALIBRATION PROCEDURE FOR CYLINDER GAGE (MODEL 452) CALIBRATION PROCEDURE FOR GAGE BLOCKS, GRADES 1, 2, AND 3 CALIBRATION PROCEDURE FOR MICROMETERS, INSIDE 13 CALIBRATION PROCEDURE FOR DIAL INDICATORS CALIBRATION PROCEDURE FOR GAGES, SPRING TENSION CALIBRATION PROCEDURE FOR FORCE MEASURING SYSTEM, EMERY MODEL S 19 CALIBRATION PROCEDURE FOR PRECISION RTD THERMOMETER AZONIX, MOD W/TEMPERATURE PROBE INSTRULAB, MODEL 4101-10X + PLUS + VOLTAGE CALIBRATOR, JOHN FLUKE MODELS 332B/AF AND 332B/D (NSN 6625-00-150-6994) CALIBRATION PROCEDURE FOR VOLTAGE CALIBRATOR, BALLANTINE MODELS 420, 421A, AND 421A-S2 CALIBRATION PROCEDURE FOR CALIBRATOR AN/USM-317 (SG-836/USM-317) AND (HEWLETT-PACKARD MODEL 8402B) CALIBRATOR SET, RANGE AN/USM-115, FSN 6625-987-9612 (24X MICROFICHE) RANGE CALIBRATOR SET, AN/UPM-11 MAGNETIC COMPASS CALIBRATOR SET, AN/ASM- AND MAGNETIC COMPASSCALIBRATOR SET ADAPTER KIT, MK-1040A/ASN CALIBRATOR CRYSTAL, TS-810/U CALIBRATOR POWER METER, HEWLETT-PACKARD MODEL 8402B (NSN 6625-00-702-0177) PEAK POWER CALIBRATOR, HEWLETT-PACKARD MODEL 8900B (NSN 4931-00-130-5386) (APN MIS-10243) MAGNETIC COMPASS CALIBRATOR SET, AN/ASM-339(V)1 (NSN 6605-00-78 AND ADAPTER KIT, MAGNETIC COMPASS CALIBRATOR SET, MK-1040/ASN (6605-00-816-0329) (24X MICROFICHE) MAGNETIC COMPASS CALIBRATOR SET, AN/ASM-339(V)1 (NSN 6605-00-78 AND ADAPTER KIT, MAGNETIC COMPASS CALIBRATOR SET, MK-1040A/ASN (6605-00-816-0329) (24X MICROFICHE) STORAGE SERVICEABILITY STANDARD FOR AMCCOM MATERIEL: RADIAC CALIBRATORS, RADIAC SETS, RADIOACTIVE TEST SAMPLES AND RADIOACT SOURCE SETS DEVIATION CALIBRATOR, 70D2-1MW AND 70D2-2MW (COLLINS RADIO GROU (NSN 6625-00-450-4277) CALIBRATION PROCEDURE FOR DEVIATION CALIBRATOR, MOTOROLA MODEL MU-140-70 CALIBRATION PROCEDURE FOR AC CALIBRATOR, JOHN FLUKE MODEL 5200A PRECISION POWER AMPLIFIERS JOHN FLUKE MODELS 5215A AND 5205A CALIBRATION PROCEDURE FOR CALIBRATOR, JOHN FLUKE, MODEL 5700A/(WITH WIDEBAND AC VOLTAGE, OPTION 03); AMPLIFIER, JOHN FLUKE, MODEL 5725A/(); POWER AMPLIFIER, JOHN FLUKE, MODEL 5215A/CT; AND TRANSCONDUCTANCE AMPLIFIER, JOHN FLUKE, MODEL 5220A/CT CALIBRATOR, ELECTRIC, HEWLETT-PACKARD MODEL (NSN 6625-01-037-0429) CALIBRATOR, AC, O-1804/USM-410(V) (NSN 6625-01-100-6196) CALIBRATOR, DIRECT CURRENT, O-1805/USM (NSN 6625-01-134-6629) LASER TEST SET CALIBRATOR (LTSC) (NSN 6695-01-116-2717) ....

Applicable Algebra, Error-Correcting Codes, Combinatorics and Computer Algebra Feb 21 2022 This volume contains the proceedings of the 4th International Conference on Applicable Algebra, Error-Correcting Codes, Combinatorics and Computer Algebra (AAECC-4), held in Karlsruhe, 23-26 September, 1986. Selected papers which were given at the conference have been reviewed a second time and are presented here.

Official Army and Air Force Register May 12 2021

Statistiques des écoles suisses, 1894/95 Jan 20 2022

Zeitschrift für Vermessungswesen Sep 04 2020

Mental Models In Cognitive Science Nov 06 2020 Phil Johnson-Laird's theory of mental models has proved to be an influential development in the cognitive sciences. This theory aims to provide a detailed account of both reasoning and inference on the one hand, and language on the other. It can therefore be regarded as a step toward the much-sought-after unified theory of cognition.; This book provides an overview of mental models research. Some of the contributors were collaborators or former graduate students of Johnson-Laird, and between them they cover the main strands of mental models theory. After an appreciation of Johnson-Laird, the book covers topics including language Processing, Reasoning, Inference, The Role Of Emotions, And The Impact Of mental illnesses on thought processes.

X86 Assembly Language and C Fundamentals Jun 20 2019 The predominant language used in embedded microprocessors, assembly language lets you write programs that are typically faster and more compact than programs written in a high-level language and provide greater control over the program applications. Focusing on the languages used in X86 microprocessors, X86 Assembly Language and C Fundamentals explains how to write programs in the X86 assembly language, the C programming language, and X86 assembly language modules embedded in a C program. A wealth of program design examples, including the complete code and outputs, help you grasp the concepts more easily. Where needed, the book also details the theory behind the design. Learn the X86 Microprocessor Architecture and Commonly Used Instructions Assembly language programming requires knowledge of number representations, as well as the architecture of the computer on which the language is being used. After covering the binary, octal, decimal, and hexadecimal number systems, the book presents the general architecture of the X86 microprocessor, individual addressing modes, stack operations, procedures, arrays, macros, and input/output operations. It highlights the most commonly used X86 assembly language instructions, including data transfer, branching and looping, logic, shift and rotate, and string instructions, as well as fixed-point, binary-coded decimal (BCD), and floating-point arithmetic instructions. Get a Solid Foundation in a Language Commonly Used in Digital Hardware Written for students in computer science and electrical, computer, and software engineering, the book assumes a basic background in C programming, digital logic design, and computer architecture. Designed as a tutorial, this comprehensive and self-contained text offers a solid foundation in assembly language for anyone working with the design of digital hardware.

Boundary Value Problems For Fractional Differential Equations And Systems Oct 05 2020 This book is devoted to the study of existence of solutions or positive solutions for various classes of Riemann-Liouville and Caputo fractional differential equations, and systems of fractional differential equations subject to nonlocal boundary conditions. The monograph draws together many of the authors' results, that have been obtained and highly cited in the literature in the last four years.In each chapter, various examples are presented which support the main results. The methods used in the proof of these theorems include results from the fixed point theory and fixed point index theory. This volume can serve as a good resource for mathematical and scientific researchers, and for graduate students in mathematics and science interested in the existence of solutions for fractional differential equations and systems.