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IEEE Membership Directory - Institute of Electrical and Electronics Engineers 2001

Solving ODEs with MATLAB - Lawrence F. Shampine 2003-04-28

This concise text, first published in 2003, is for a one-semester course for upper-level

undergraduates and beginning graduate students in engineering, science, and mathematics, and can also serve as a quick reference for professionals. The major topics in ordinary differential equations, initial value problems, boundary value problems, and delay differential equations, are usually taught in

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three separate semester-long courses. This single book provides a sound treatment of all three in fewer than 300 pages. Each chapter begins with a discussion of the 'facts of life' for the problem, mainly by means of examples. Numerical methods for the problem are then developed, but only those methods most widely used. The treatment of each method is brief and technical issues are minimized, but all the issues important in practice and for understanding the codes are discussed. The last part of each chapter is a tutorial that shows how to solve problems by means of small, but realistic, examples.

Research Advances in Dengue Virus - Qiangming Sun 2020-09-14

This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied

contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact.
Rajasthan Gazette - Rajasthan (India) 1963

[Recent Advances in Sliding Modes: From Control to Intelligent Mechatronics](#) - Xinghuo Yu
2015-04-10

This volume is dedicated to Professor Okay Kaynak to commemorate his life time impactful research and scholarly achievements and outstanding services to profession. The 21 invited chapters have been written by leading researchers who, in the past, have had association with Professor Kaynak as either his students and associates or colleagues and collaborators. The focal theme of the volume is

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the Sliding Modes covering a broad scope of topics from theoretical investigations to their significant applications from Control to Intelligent Mechatronics.

Distance Learning - Michael Simonson
2018-12-01

Distance Learning is for leaders, practitioners, and decision makers in the fields of distance learning, e-learning, telecommunications, and related areas. It is a professional journal with applicable information for those involved with providing instruction to all kinds of learners, of all ages, using telecommunications technologies of all types. Stories are written by practitioners for practitioners with the intent of providing usable information and ideas. Articles are accepted from authors--new and experienced--with interesting and important information about the effective practice of distance teaching and learning. Distance Learning is published quarterly. Each issue includes eight to ten articles and three to four columns, including the

highly regarded "And Finally..." column covering recent important issues in the field and written by Distance Learning editor, Michael Simonson. Articles are written by practitioners from various countries and locations, nationally and internationally.

Internationales Universitäts-Handbuch -
Michael Zils 1977

Fractional Hermite-Hadamard Inequalities -
JinRong Wang 2018-05-22

This book extends classical Hermite-Hadamard type inequalities to the fractional case via establishing fractional integral identities, and discusses Riemann-Liouville and Hadamard integrals, respectively, by various convex functions. Illustrating theoretical results via applications in special means of real numbers, it is an essential reference for applied mathematicians and engineers working with fractional calculus. Contents Introduction Preliminaries Fractional integral identities

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Hermite-Hadamard inequalities involving Riemann-Liouville fractional integrals Hermite-Hadamard inequalities involving Hadamard fractional integrals

Commonwealth Universities Yearbook - 2007

Journal of Mathematics - 1999

Algebra Part 2 (Speedy Study Guides) - Speedy Publishing 2014-06-17

Not everyone has a knack for Mathematics and several people simply give up when the teacher begins adding letters into the equations.

However, there are actually some solid uses for Algebra 2 other than keeping headache medicine manufacturers in business. Building on the ideas and core concepts learned in basic Algebra, the intermediate Algebra 2 introduces abstract thinking. Students learn how to identify likenesses and evaluate equations based on their characteristics. This information is useful for higher mathematical pursuits and is also helpful

for general life. The analytic approach to problem solving is essential in both employment situations and personal relationships.

Proceedings of the Pakistan Science Conference - Pakistan Association for the Advancement of Science 1974

Theory and Practice in Mathematics and Natural Sciences - Canan Demir 2021-09-15
Theory and Practice in Mathematics and Natural Sciences

International Books in Print - 1990

The National Assembly of Pakistan Debates - Pakistan. National Assembly 1991

Learning and Performance Assessment: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2019-10-11

As teaching strategies continue to change and evolve, and technology use in classrooms

continues to increase, it is imperative that their impact on student learning is monitored and assessed. New practices are being developed to enhance students' participation, especially in their own assessment, be it through peer-review, reflective assessment, the introduction of new technologies, or other novel solutions. Educators must remain up-to-date on the latest methods of evaluation and performance measurement techniques to ensure that their students excel.

Learning and Performance Assessment: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines emerging perspectives on the theoretical and practical aspects of learning and performance-based assessment techniques and applications within educational settings. Highlighting a range of topics such as learning outcomes, assessment design, and peer assessment, this multi-volume book is ideally designed for educators, administrative officials, principals, deans, instructional designers, school

boards, academicians, researchers, and education students seeking coverage on an educator's role in evaluation design and analyses of evaluation methods and outcomes.

Relativity - Asghar Qadir 1989

The most important feature in this book is the simple presentation with details of calculations. It is very easy to follow. Fairly sophisticated calculations are developed very rapidly. The presentation is logical and the detailed coverage makes this book very readable and useful. The contents develop Relativity as a modern theory of motion, starting by placing it in historical perspective and proceeding to show its logical necessity. The development of the Lorentz transformation is given using only one assumption rather than two. Right away in Chapter 3, geometry as required in Special Relativity for extension to General Relativity is introduced. This enables the use of the four-vector formalism of Minkowski. By the end of Chapter 4, the general Lorentz transformations

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for three-dimensional motion and their relation to four-dimensional boosts have already been explained. In Chapter 5 applications of relevance in Physics are provided. After a brief introduction to elementary electromagnetic theory, it is reformulated as a theory in four-dimensions using tensors in Chapter 6. Finally in Chapter 7, the theory is extended to deal with accelerated motion as ?corrections? to Special Relativity.

Modern Algebra - Surjeet Singh 1983

Boundary Value Problems of Mathematical Physics. VI - Ol'Ga Aleksanrovna Ladyzhenskaja 1972

Fractional Differential Equations - Juan J. Nieto 2019-11-19

Fractional calculus provides the possibility of introducing integrals and derivatives of an arbitrary order in the mathematical modelling of physical processes, and it has become a relevant

subject with applications to various fields, such as anomalous diffusion, propagation in different media, and propagation in relation to materials with different properties. However, many aspects from theoretical and practical points of view have still to be developed in relation to models based on fractional operators. This Special Issue is related to new developments on different aspects of fractional differential equations, both from a theoretical point of view and in terms of applications in different fields such as physics, chemistry, or control theory, for instance. The topics of the Issue include fractional calculus, the mathematical analysis of the properties of the solutions to fractional equations, the extension of classical approaches, or applications of fractional equations to several fields.

Piya Rang Kala - Muḥammad Yaḥyā Khān 2011

The Reluctant Fundamentalist - Mohsin Hamid 2009-06-05

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From the author of the award-winning *Moth Smoke* comes a perspective on love, prejudice, and the war on terror that has never been seen in North American literature. At a café table in Lahore, a bearded Pakistani man converses with a suspicious, and possibly armed, American stranger. As dusk deepens to night, he begins the tale that has brought them to this fateful meeting. . . Changez is living an immigrant's dream of America. At the top of his class at Princeton, he is snapped up by Underwood Samson, an elite firm that specializes in the "valuation" of companies ripe for acquisition. He thrives on the energy of New York and the intensity of his work, and his infatuation with regal Erica promises entrée into Manhattan society at the same exalted level once occupied by his own family back in Lahore. For a time, it seems as though nothing will stand in the way of Changez's meteoric rise to personal and professional success. But in the wake of September 11, he finds his position in his

adopted city suddenly overturned, and his budding relationship with Erica eclipsed by the reawakened ghosts of her past. And Changez's own identity is in seismic shift as well, unearthing allegiances more fundamental than money, power, and perhaps even love. Elegant and compelling, Mohsin Hamid's second novel is a devastating exploration of our divided and yet ultimately indivisible world. "Excuse me, sir, but may I be of assistance? Ah, I see I have alarmed you. Do not be frightened by my beard: I am a lover of America. I noticed that you were looking for something; more than looking, in fact you seemed to be on a mission, and since I am both a native of this city and a speaker of your language, I thought I might offer you my services as a bridge." —from *The Reluctant Fundamentalist*

The Murder of History - Khurshid Kamal Aziz
1998

Proceedings of the ... All Pakistan Science

Conference - 1974

Emerging Developments in the Power and Energy Industry - Rodolfo Dufo-López

2019-10-29

Power and Energy Engineering are important and pressing topics globally, covering issues such as shifting paradigms of energy generation and consumption, intelligent grids, green energy and environmental protection. The 11th Asia-Pacific Power and Energy Engineering Conference (APPEEC 2019) was held in Xiamen, China from April 19 to 21, 2019. APPEEC has been an annual conference since 2009 and has been successfully held in Wuhan (2009 & 2011), Chengdu (2010 & 2017), Shanghai (2012 & 2014), Beijing (2013 & 2015), Suzhou (2016) and Guilin (2018), China. The objective of APPEEC 2019 was to provide scientific and professional interactions for the advancement of the fields of power and energy engineering. APPEEC 2019 facilitated the exchange of

insights and innovations between industry and academia. A group of excellent speakers have delivered keynote speeches on emerging technologies in the field of power and energy engineering. Attendees were given the opportunity to give oral and poster presentations and to interface with invited experts.

Numerical Analysis or Numerical Method in Symmetry - Clemente Cesarano 2020-02-21

This Special Issue focuses mainly on techniques and the relative formalism typical of numerical methods and therefore of numerical analysis, more generally. These fields of study of mathematics represent an important field of investigation both in the field of applied mathematics and even more exquisitely in the pure research of the theory of approximation and the study of polynomial relations as well as in the analysis of the solutions of the differential equations both ordinary and partial derivatives. Therefore, a substantial part of research on the topic of numerical analysis cannot exclude the

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fundamental role played by approximation theory and some of the tools used to develop this research. In this Special Issue, we want to draw attention to the mathematical methods used in numerical analysis, such as special functions, orthogonal polynomials, and their theoretical tools, such as Lie algebra, to study the concepts and properties of some special and advanced methods, which are useful in the description of solutions of linear and nonlinear differential equations. A further field of investigation is dedicated to the theory and related properties of fractional calculus with its adequate application to numerical methods.

Mathematical Reviews - 2006

Nature of Computation and Communication

- Phan Cong Vinh 2022-01-03

This book constitutes the refereed post-conference proceedings of the 7th International Conference on Nature of Computation and Communication, ICTCC 2021, held in October

2021. Due to COVID-19 pandemic the conference was held virtually. The 17 revised full papers presented were carefully selected from 43 submissions. The papers of ICTCC 2021 cover formal methods for self-adaptive systems and discuss natural approaches and techniques for natural computing systems and their applications.

Key Concepts in Modern Indian Studies -

Rachel Dwyer 2016-03-18

Modern Indian studies have recently become a site for new, creative, and thought-provoking debates extending over a broad canvas of crucial issues. As a result of socio-political transformations, certain concepts—such as ahimsa, caste, darshan, and race—have taken on different meanings. Bringing together ideas, issues, and debates salient to modern Indian studies, this volume charts the social, cultural, political, and economic processes at work in the Indian subcontinent. Authored by internationally recognized experts, this volume comprises over

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one hundred individual entries on concepts central to their respective fields of specialization, highlighting crucial issues and debates in a lucid and concise manner. Each concept is accompanied by a critical analysis of its trajectory and a succinct discussion of its significance in the academic arena as well as in the public sphere. Enhancing the shared framework of understanding about the Indian subcontinent, *Key Concepts in Modern Indian Studies* will provide the reader with insights into vital debates about the region, underscoring the compelling issues emanating from colonialism and postcolonialism.

Convex Functions - Jonathan M. Borwein
2010-01-14

The product of a collaboration of over 15 years, this volume is unique because it focuses on convex functions themselves, rather than on convex analysis. The authors explore the various classes and their characteristics, treating convex functions in both Euclidean and Banach spaces.

Applied Mathematics for Business, Economics, and the Social Sciences - Sandra C. Quinn
1993-01-01

Calculus - Earl W. Swokowski 2000-06
This edition of Swokowski's text is truly as its name implies: a classic. Groundbreaking in every way when first published, this book is a simple, straightforward, direct calculus text. Its popularity is directly due to its broad use of applications, the easy-to-understand writing style, and the wealth of examples and exercises which reinforce conceptualization of the subject matter. The author wrote this text with three objectives in mind. The first was to make the book more student-oriented by expanding discussions and providing more examples and figures to help clarify concepts. To further aid students, guidelines for solving problems were added in many sections of the text. The second objective was to stress the usefulness of calculus by means of modern applications of derivatives

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and integrals. The third objective, to make the text as accurate and error-free as possible, was accomplished by a careful examination of the exposition, combined with a thorough checking of each example and exercise.

The Political Philosophy of Muhammad Iqbal - Iqbal Singh Sevea 2012-06-29

This book reflects upon the political philosophy of Muhammad Iqbal, a towering intellectual figure in South Asian history, revered by many for his poetry and his thought. He lived in India in the twilight years of the British Empire and, apart from a short but significant period studying in the West, he remained in Punjab until his death in 1938. The book studies Iqbal's critique of nationalist ideology and his attempts to chart a path for the development of the 'nation' by liberating it from the centralizing and homogenizing tendencies of the modern state structure. Iqbal frequently clashed with his contemporaries over his view of nationalism as 'the greatest enemy of Islam'. He constructed his

own particular interpretation of Islam - forged through an interaction with Muslim thinkers and Western intellectual traditions - that was ahead of its time, and since his death both modernists and Islamists have continued to champion his legacy.

Intelligent Computing Methodologies - De-Shuang Huang 2022-08-15

This two-volume set of LNCS 13393 and LNCS 13394 constitutes - in conjunction with the volume LNAI 13395 - the refereed proceedings of the 18th International Conference on Intelligent Computing, ICIC 2022, held in Xi'an, China, in August 2022. The 209 full papers of the three proceedings volumes were carefully reviewed and selected from 449 submissions. This year, the conference concentrated mainly on the theories and methodologies as well as the emerging applications of intelligent computing. Its aim was to unify the picture of contemporary intelligent computing techniques as an integral concept that highlights the trends in advanced

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computational intelligence and bridges theoretical research with applications. Therefore, the theme for this conference was “Advanced Intelligent Computing Technology and Applications”. Papers focused on this theme were solicited, addressing theories, methodologies, and applications in science and technology.

Multifunctional Hybrid Nanomaterials for Sustainable Agri-food and Ecosystems -

Kamel A. Abd-El Salam 2020-04-14

Multifunctional Hybrid Nanomaterials for Sustainable Agrifood and Ecosystems shows how hybrid nanomaterials (HNMs) are being used to enhance agriculture, food and environmental science. The book discusses the synthesis and characterization of HNMs before exploring agrifoods and environmental functions. It shows how novel HNMs are being used for the detection and separation of heavy metal ions, for destroying and sensing of insecticides, in managed release fertilizer and pesticide

formulations, plant protection, plant promotions, purification, detection, and to control mycotoxins. Further, the book describes the use of silica-based total nanosystems, carbon nanotubes, nanocellulose-based, and polymer nanohybrids for agricultural and biological applications. This book is an important reference source for materials scientists, engineers and food scientists who want to gain a greater understanding on how multifunctional nanomaterials are being used for a range of agricultural and environmental applications. Outlines the major nanomaterial types that are being used in agriculture Explains why the properties of multifunctional nanomaterials are particularly efficient for use in agriculture Assesses the major challenges of using multifunctional nanomaterials on an industrial scale

*World Guide to Universities - Internationales
Universitäts-Handbuch - 1976*

Physical and Computational Aspects of Convective Heat Transfer - Tuncer Cebeci

2012-12-06

From the reviews: "The book has a broad and general coverage of both the mathematics and the numerical methods well suited for graduate students." Applied Mechanics Reviews #1 "This is a very well written book. The topics are developed with separate headings making the matter easily understandable. Computer programs are also included for many problems

together with a separate chapter dealing with the application of computer programs to heat transfer problems. This enhances the utility of the book." Zentralblatt für Mathematik #1

The Punjab University Journal of Mathematics - 2009

Group Theory I - M. Suzuki 1982

The Pakistan National Bibliography - 1989