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Data Management at Scale Piethein Strengholt 2020-07-29 As data management and integration continue to evolve rapidly, storing all your data in one place, such as a data warehouse, is no longer scalable. In the very near future, data will need to be distributed and available for several technological solutions. With this practical book, you'll learn how to migrate your enterprise from a complex and tightly coupled data landscape to a more flexible architecture ready for the modern world of data consumption. Executives, data architects, analytics teams, and compliance and governance staff will learn how to build a modern scalable data landscape using the Scaled Architecture, which you can introduce incrementally without a large upfront investment. Author Piethein Strengholt provides blueprints, principles, observations, best practices, and patterns to get you up to speed. Examine data management trends, including technological developments, regulatory requirements, and privacy concerns Go deep into the Scaled Architecture and learn how the pieces fit together Explore data governance and data security, master data management, self-service data marketplaces, and the importance of metadata

Practical Skills in Biomolecular Sciences Rob Reed 1998 Provides comprehensive coverage focusing on the cellular and molecular aspects of the life sciences including: general advice on practical work; separation and analytical techniques; microbial and cell culture systems; nucleic acid analysis and genetic engineering; recording, interpreting and analysing results; guidance on the use of the Internet and World Wide Web; hints on exam technique and general communication skills.

Applied Univariate, Bivariate, and Multivariate Statistics Using Python Daniel J. Denis 2021-07-14 Applied Univariate, Bivariate, and Multivariate Statistics Using Python A practical, "how-to" reference for anyone performing essential statistical analyses and data management tasks in Python Applied Univariate, Bivariate, and Multivariate Statistics Using Python delivers a comprehensive introduction to a wide range of statistical methods performed using Python in a single, one-stop reference. The book contains user-friendly guidance and instructions on using Python to run a variety of statistical procedures without getting bogged down in unnecessary theory. Throughout, the author emphasizes a set of computational tools used in the discovery of empirical patterns, as well as several popular statistical analyses and data management tasks that can be immediately applied. Most of the datasets used in the book are small enough to be easily entered into Python manually, though they can also be downloaded for free from www.datapsyc.com. Only minimal knowledge of statistics is assumed, making the book perfect for those seeking an easily accessible toolkit for statistical analysis with Python. Applied Univariate, Bivariate, and Multivariate Statistics Using Python represents the fastest way to learn how to analyze data with Python. Readers will also benefit from the inclusion of: A review of essential statistical principles, including types of data, measurement, significance tests, significance levels, and type I and type II errors An introduction to Python, exploring how to communicate with Python A treatment of exploratory data analysis, basic statistics and visual displays, including frequencies and descriptives, q-q plots, box-and-whisker plots, and data management An introduction to topics such as ANOVA, MANOVA and discriminant analysis, regression, principal components analysis, factor analysis, cluster analysis, among others, exploring the nature of what these techniques can vs. cannot do on a methodological level Perfect for undergraduate and graduate students in the social, behavioral, and natural sciences, Applied Univariate, Bivariate, and Multivariate Statistics Using Python will also earn a place in the libraries of researchers and data analysts seeking a quick go-to resource for univariate, bivariate, and multivariate analysis in Python.

New Trends in Software Methodologies, Tools and Techniques H. Fujita 2006-10-03 Software is the essential enabler for the new economy and science. It creates new markets and new directions for a more reliable, flexible, and robust society. It empowers the exploration of our world in ever more depth. However, software often falls short behind our expectations. Current software methodologies, tools, and techniques remain expensive and not yet reliable for a highly changeable and evolutionary market. Many approaches have been proven only as case-by-case oriented methods. This book presents a number of new trends and theories in the direction in which we believe software science and engineering may develop to transform the role of software and science in tomorrow's information society. This publication is an attempt to capture the essence of a new state of art in software science and its supporting technology. It also aims at identifying the challenges such a technology has to master.

The Shipbuilder and Marine Engine-builder 1938

Journal of Physics A 1996

Nature Sir Norman Lockyer 1870

Cell-to-Cell Mapping C.S. Hsu 2013-03-09 For many years, I have been interested in global analysis of nonlinear systems. The original interest stemmed from the study of snap-through stability and jump phenomena in structures. For systems of this kind, where there exist multiple stable equilibrium states or periodic motions, it is important to examine the domains of attraction of these responses in the state space. It was through work in this direction that the cell-to-cell mapping methods were introduced. These methods have received considerable development in the last few years, and have also been applied to some concrete problems. The results look very encouraging and promising. However, up to now, the effort of developing these methods has been by a very small number of people. There was, therefore, a suggestion that the published material, scattered now in various journal articles, could perhaps be pulled together into book form, thus making it more readily available to the general audience in the field of nonlinear oscillations and nonlinear dynamical systems. Conceivably, this might facilitate getting more people interested in working on this topic. On the other hand, there is always a question as to whether a topic (a) holds enough promise for the future, and (b) has gained enough maturity to be put into book form. With regard to (a), only the future will tell. With regard to (b), I believe that, from the point of view of both foundation and methodology, the methods are far from mature.

Artificial Evolution Pierre Collet 2003-08-01 The Evolution Art?cielle cycle of conferences was originally initiated as a forum for the French-speaking evolutionary computation community. Previous EA meetings were held in Toulouse (EA '94), Brest (EA '95, LNCS 1063), N?mes (EA '97, LNCS 1363), Dunkerque (EA '99, LNCS 1829), and finally, EA 2001 was hosted by the Universit? de Bourgogne in the small town of Le Creusot, in an area of France renowned for its excellent wines.

However, the EA conferences have been receiving more and more papers from the international community: this conference can be considered fully international, with 39 submissions from non-francophonic countries on all 7 continents, out of a total of 68. Out of these 68 papers, only 28 were presented orally (41%) due to the formula of the conference (single session with presentations of 30 minutes) that all participants seem to appreciate a lot. The Organizing Committee wishes to thank the members of the International Program Committee for their hard work (mainly due to the large number of submissions) and for the service they rendered to the community by ensuring the high scientific content of the papers presented. Actually, the overall quality of the papers presented was very high and all 28 presentations are included in this volume, grouped in 8 sections which more or less reflect the organization of the oral session: 1. Invited Paper: P. Bentley gave a great talk on his classification of interdisciplinary collaborations, and showed us some of his work with musicians and biologists.

Cognitive Radio, Mobile Communications and Wireless Networks Mubashir Husain Rehmani 2018-07-30 This book provides an overview of the latest research and development of new technologies for cognitive radio, mobile communications, and wireless networks. The contributors discuss the research and requirement analysis and initial standardization work towards 5G cellular systems and the capacity problems it presents. They show how cognitive radio, with the capability to flexibly adapt its parameters, has been proposed as the enabling technology for unlicensed secondary users to dynamically access the licensed spectrum owned by legacy primary users on a negotiated or an opportunistic basis. They go on to show how cognitive radio is now perceived in a much broader paradigm that will contribute to solve the resource allocation problem that 5G requirements raise. The chapters represent hand-selected expanded papers from EAI sponsored and hosted conferences such as the 12th EAI International Conference on Mobile and Ubiquitous Systems, the 11th EAI International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness, the 10th International Conference on Cognitive Radio Oriented Wireless Networks, the 8th International Conference on Mobile Multimedia Communications, and the EAI International Conference on Software Defined Wireless Networks and Cognitive Technologies for IoT.

Blocking Spam & Spyware For Dummies Peter H. Gregory 2005-03-25

HTTP Developer's Handbook Chris Shiflett 2003 HTTP is the protocol that powers the Web. As Web applications become more sophisticated, and as emerging technologies continue to rely heavily on HTTP, understanding this protocol is becoming more and more essential for professional Web developers. By learning HTTP protocol, Web developers gain a deeper understanding of the Web's architecture and can create even better Web applications that are more reliable, faster, and more secure. The HTTP Developer's Handbook is written specifically for Web developers. It begins by introducing the protocol and explaining it in a straightforward manner. It then illustrates how to leverage this information to improve applications. Extensive information and examples are given covering a wide variety of issues, such as state and session management, caching, SSL, software architecture, and application security.

Contrary to Popular Belief Cold Calling Does Work! Barry D. Caponi 2011-05-24 DO YOU STRUGGLE WITH THE FOLLOWING WHEN ATTEMPTING TO SET APPOINTMENTS? Finding the time to make the calls Figuring out how many calls are necessary to hit your goals Staying organized once you've got more than a few pursuits going simultaneously Making your territory and targets warmer over time Incorporating social media concepts and Sales 2.0 methods into your process Making your CRM or other automation work for you instead of against you In Volume I, we addressed the concept of effectiveness as why would one want to make any more appointment-setting calls than necessary. In this book, you'll discover that the common challenges listed above, plus many others, are hurting your efficiency, causing you to work longer hours and make less money. After reading this book, you'll know exactly how to address the biggest challenge to your success: the need to get in front of more prospects in less time. Additionally, you'll realize you only have three sources for initial appointments; lead generation programs, networking and referrals, and cold calling; and that all three require the ability to set appointments. You'll also learn that it makes no difference whether your target is warm or cold; the basic process for each call is identical. Lets face it: Even referrals say no, they're just nicer about it. When you understand this, you'll discover why all sales professionals should have the

skills, tools and processes to be both effective and efficient at this critical responsibility. This comprehensive, easy-to-understand, easy-to-follow guide to successful appointment-setting is written by Barry Caponi, one of America's foremost thought leaders on all aspects of the subject. Hundreds of companies throughout the world have dramatically increased their total number of new appointments by implementing the only appointment-setting methodology that addresses both effectiveness and efficiency. This volume (the second in a two-book set) will help you master the science of setting appointments in less time, with less effort and for all.

Introduction to Combinatorics, Second Edition Walter D. Wallis 2016-12-12 What Is Combinatorics Anyway? Broadly speaking, combinatorics is the branch of mathematics dealing with different ways of selecting objects from a set or arranging objects. It tries to answer two major kinds of questions, namely, counting questions: how many ways can a selection or arrangement be chosen with a particular set of properties; and structural questions: does there exist a selection or arrangement of objects with a particular set of properties? The authors have presented a text for students at all levels of preparation. For some, this will be the first course where the students see several real proofs. Others will have a good background in linear algebra, will have completed the calculus stream, and will have started abstract algebra. The text starts by briefly discussing several examples of typical combinatorial problems to give the reader a better idea of what the subject covers. The next chapters explore enumerative ideas and also probability. It then moves on to enumerative functions and the relations between them, and generating functions and recurrences. Important families of functions, or numbers and then theorems are presented. Brief introductions to computer algebra and group theory come next. Structures of particular interest in combinatorics: posets, graphs, codes, Latin squares, and experimental designs follow. The authors conclude with further discussion of the interaction between linear algebra and combinatorics. Features Two new chapters on probability and posets. Numerous new illustrations, exercises, and problems. More examples on current technology use A thorough focus on accuracy Three appendices: sets, induction and proof techniques, vectors and matrices, and biographies with historical notes, Flexible use of Maple™ and Mathematica™

The Art and Science of Mental Health Nursing Ian Norman 2013-04-01 This comprehensive nursing text has been fully and extensively updated for this third edition, and offers students a complete guide to the art and science of mental health nursing. The book combines theory and practice to look in-depth at: Different 'types' of mental health problems; Different therapeutic interventions; The practical tools of nursing such as risk, assessment, problem solving; Key themes such as ethics, law and professional issues.

Higher Order Boundary Value Problems On Unbounded Domains: Types Of Solutions, Functional Problems And Applications Minhos Feliz Manuel 2017-08-23 This volume provides a comprehensive overview on different types of higher order boundary value problems defined on the half-line or on the real line (Sturm–Liouville and Lidstone types, impulsive, functional and problems defined by Hammerstein integral equations). It also includes classical and new methods and techniques to deal with the lack of compactness of the related operators. The reader will find a selection of original and recent results in this field, conditions to obtain solutions with particular qualitative properties, such as homoclinic and heteroclinic solutions and its relation with the solutions of Lidstone problems on all the real line. Each chapter contains applications to real phenomena, to classical equations or problems, with a common denominator: they are defined on unbounded intervals and the existing results in the literature are scarce or proven only numerically in discrete cases. The last part features some higher order functional problems, which generalize the classical two-point or multi-point boundary conditions, to more comprehensive data where an overall behavior of the unknown functions and their derivatives is involved. Contents: Boundary Value Problems on the Half-Line: Third-Order Boundary Value Problems General nth-Order Problems Impulsive Problems on the Half-Line with Infinite Impulse Moments Homoclinic Solutions and Lidstone Problems: Homoclinic Solutions for Second-Order Problems Homoclinic Solutions to Fourth-Order Problems Lidstone Boundary Value Problems Heteroclinic Solutions and Hammerstein Equations: Heteroclinic Solutions for Semi-Linear Problems (i) Heteroclinic Solutions for Semi-Linear Problems (ii) Heteroclinic Solutions for Semi-Linear Problems (iii) Hammerstein Integral Equations with Sign-Changing Kernels Functional Boundary Value Problems: Second-Order Functional Problems Third-Order Functional Problems -Laplacian Equations with Functional Boundary Conditions Readership: Graduate students and researchers interested in nonlinear analysis. Keywords: Boundary Value Problems in Unbounded Domains; Impulsive Problems with Infinite Impulses; Homoclinic Solutions; Lidstone Problems on the Real Line; Heteroclinic Solutions for Hammerstein Equations; Functional Problems Review: Key Features: Presents higher order boundary value and impulsive problems on unbounded domains Elucidates homoclinic and heteroclinic solutions without growth, sign or periodicity assumptions on the nonlinearity, and their relation with Lidstone problems and Hammerstein equations on the real line Explains clearly the semi-linear and higher order functional problems where the boundary conditions can include nonlocal data and global variation on the unknown functions, such as multi-point, integral, maximum and/or minimum arguments

The Ambiguity of Teaching to the Test William A. Firestone 2004-04-12 Testing is one of the most controversial of all state and federal educational policies. The effects of testing are quite ambiguous. The same test may lead to different consequences in different circumstances, and teachers may use very different strategies to prepare students for tests. Although most experts agree that mandatory testing leads to teaching to the test, they disagree about whether it leads to meaningless drill, wasted time, de-professionalizing teachers, and demotivating students, or to more challenging and thoughtful curricula, more engaging teaching, increased student motivation, and increased accountability. To help sort through this ambiguity and provide a firmer basis for decisions, *The Ambiguity of Teaching to the Test: Standards, Assessment, and Educational Reform* offers a hard look at the effects of state testing, and thoroughly examines the ambiguity of test preparation and how test preparation practices are influenced by what teachers know and the leadership coming from the school and district. Drawing on data from a three-year study of New Jersey's testing policy in elementary mathematics and science, it helps to explain the variety of ways that teachers modify their teaching in response to state tests, raises important questions, and offers useful guidance on how state policymakers and local and district school administrators can implement policies that will improve educational equity and performance for all students. It also offers an in-depth analysis of classroom practices that should inform teachers and teacher educators whose goal is to meaningfully implement conceptually based teaching practices. This comprehensive look at the statewide variation in testing practice features: "a data-based, non-ideological treatment of how testing affects teachers, in a field characterized by ideologically driven beliefs and by anecdotes; *an extensive and well-integrated combination of qualitative and quantitative data sources that provide a statewide overview, as well as an in-depth analysis of teachers and classrooms; *a careful analysis of the variety of forms of teaching to the test; and *a multilevel exploration of how a variety of personal and leadership factors can influence teaching to the test. This is an important book for researchers, professionals, and students in educational testing, educational policy, educational administration, mathematics and science education, educational reform, and the politics and sociology of education. It will also prove useful for state policymakers, school and district leaders, and teacher educators and curriculum specialists who are making decisions about how to design and respond to new testing systems.

Journal of Research of the National Bureau of Standards 1950-07

Does My Child Need Help? William K. Wilkinson 2014-10-20 Are you worried about your child's learning ability or behaviour? Do you suspect they may have a problem like dyslexia or AD/HD? Your child's teacher may have recommended they be assessed by an educational psychologist, but what does this entail? Written by a practising educational psychologist with 25 years' experience in the United States and Ireland, *Does My Child Need Help?* clearly explains the process and positive impact of an educational assessment, guiding the reader step-by-step through the process of: Initial contact with the psychologist Subjective assessment – behaviour observations, background information, existing reports, etc. Objective assessment – cognitive tests, rating scales and other measures Diagnosis The components of the psychologist's report Recommendations and interventions Does My Child Need Help? will aid parents in understanding the entire process, answering common questions such as 'What happens?', 'What do I say to my child?' and 'What do the results mean for my child's education?' through case studies, example reports, and testimonials from parents, resource teachers and special needs coordinators. Using graphs to visually illustrate how different problems are diagnosed, the author shares his expert advice with the reader, covering the diagnosis and management of frequently occurring problems such as dyslexia, dyscalculia, AD/HD, autistic spectrum disorders and emotional/behavioural difficulties. While aimed primarily at parents, *Does My Child Need Help?* will also prove useful to teachers, special needs assistants, administrators, students, healthcare professionals and social workers.

Hibernate Tips Thorben Janssen 2018-01-09 When you use Hibernate in your projects, you quickly recognize that you need to do more than just add @Entity annotations to your domain model classes. Real-world applications often require advanced mappings, complex queries, custom data types and caching. Hibernate can do all of that. You just have to know which annotations and APIs you need to use. *Hibernate Tips* - More than 70 solutions to common Hibernate problems shows you how to efficiently implement your persistence layer with Hibernate's basic and advanced features. Each Hibernate Tip consists of one or more code samples and an easy to follow step-by-step explanation. You can also download an example project with executable test cases for each Hibernate Tip. Throughout this book, you will get more than 70 ready-to-use solutions that show you how to: - Define standard mappings for basic attributes and entity associations. - Implement your own attribute mappings and support custom data types. - Use Hibernate's Java 8 support and other proprietary features. - Read data from the database with JPQL, Criteria API, and native SQL queries. - Call stored procedures and database functions. This book is for developers who are already working with Hibernate and who are looking for solutions for their current development tasks. It's not a book for beginners who are looking for extensive descriptions of Hibernate's general concepts. The tips are designed as self-contained recipes which provide a specific solution and can be accessed when needed. Most of them contain links to related tips which you can follow if you want to dive deeper into a topic or need a slightly different solution. There is no need to read the tips in a specific order. Feel free to read the book from cover to cover or to just pick the tips that help you in your current project.

Engineering Mathematics for GATE & ESE 2020 Online Verdan 2019-04-22 The book "Engineering Mathematics" has a purpose to satisfy the need of B.Tech. Students for all semester and meet the requirements of progressive Candidates appearing for GATE & ESE 2020. This book contains seven sections with a major focus on detailing of questions among Linear Algebra, Calculus, Differential Equations, Complex Functions, Probability and Statistics, Numerical Methods, and Transform Theory. The book covers Topic-wise theory with solved examples, Practise questions and Previous Years solved questions of GATE & ESE of various engineering streams, viz. CE, CH, CS, EC, EE, IN, ME. The book provides detailed understanding of mathematical terms by showing mathematical techniques, together with easy and understandable explanations of the thought behind them. The team OnlineVerdan have shown their efforts to bring the thought of candidate with this wonderful unique book on e-publication platform.

Construction Logistics Solutions in Urban Areas Mats Janné 2018-05-15 More and more people are living in, or moving to, urban areas than ever before. This attraction to urban areas means that new houses and work places are needed. Building new houses or renovating older housing stock is a natural way for a city to evolve. However, the end products of construction projects are produced at their place of consumption. This means that a multitude of materials and resources need to be delivered to, and removed from, each construction site. This leads to new transport flows being created in urban areas. In urban areas, these transports are subjected to space limitations, environmental demands, accessibility demands and noise restrictions. This has led to a situation where material deliveries to construction sites need to be coordinated and managed in ways that reduce their impact on the urban transport system and at the same time ensuring efficient construction projects. In essence, construction in urban areas faces two problems; the urban transport problem and the problem of coordinating multiple construction stakeholders. One way to address these problems is

through the use of construction logistics solutions such as terminals (e.g. construction logistics centres) and checkpoints. The aim of both types of solutions is to control and coordinate construction transports. In the construction industry, these solutions are however, still a rather new phenomenon. This means that how these solutions are perceived by different stakeholders, and the effect the solutions have on material flows and costs, needs to be explored further. The purpose of this thesis is to explore how construction logistics solutions can be used as a means to coordinate material flows to ensure efficient construction and reduce disturbances on the urban transport system. To achieve this purpose, the following research questions have been addressed: RQ1: How are different stakeholders in the construction industry affected by construction logistics solutions? RQ2: How will the use of construction logistics solutions affect material flows and costs in urban construction projects? To answer the research questions two main methodologies have been used; case study research for the empirical studies and literature reviews for the analysis of the case studies as well as for understanding how supply chain management, logistics, and third-party logistics affects the inter-organizational relationships of the construction industry. The main findings of the research are firstly that construction logistics solutions do have a role to play in the coordination of different construction stakeholders. Adding this new node will force construction stakeholders to address coordination issues in order to ensure that material deliveries arrive to construction sites on time. This also implies that new inter-organizational relationships will evolve, where communication is key. However, this may not be an easy task as it will call for an attitude adjustment towards a more open and collaborative environment. Secondly, adding a construction logistics solution can reduce some unnecessary friction between construction stakeholders and third parties. Coordinated material flows can lead to a reduction in the amount of material delivery vehicles that travels to site, thus alleviating some of the congestion in the urban transport system. This will not reduce all friction between construction projects and third parties, but it is a step in the right direction. Thirdly, a construction logistics solution must come with a set of regulations and a governance strategy from the initiator of the solution. This governance strategy must be clearly stated and communicated to the affected stakeholders. To alleviate animosity towards the solution, flexibility and stakeholder involvement is key. If the directly affected stakeholders are consulted on the function, chances are that they will be more accepting of the solution.

Die-stacking Architecture Yuan Xie 2015-06-01 The emerging three-dimensional (3D) chip architectures, with their intrinsic capability of reducing the wire length, promise attractive solutions to reduce the delay of interconnects in future microprocessors. 3D memory stacking enables much higher memory bandwidth for future chip-multiprocessor design, mitigating the "memory wall" problem. In addition, heterogeneous integration enabled by 3D technology can also result in innovative designs for future microprocessors. This book first provides a brief introduction to this emerging technology, and then presents a variety of approaches to designing future 3D microprocessor systems, by leveraging the benefits of low latency, high bandwidth, and heterogeneous integration capability which are offered by 3D technology.

Food Traceability Jennifer McEntire 2019-05-11 This book provides a picture of food traceability for all aspects of the food system, recognizing the unique differences, challenges, and "states of the industry" in different types of food products, as well as the different pressures and opportunities at different points in the supply chain and the research that has already been done. It also provides some historical context, along with the types of solutions available to the food industry, and the benefits associated with better recordkeeping that go beyond the public good and impact the bottom line. Whenever a food related outbreak occurs, traceability is called into question. When lives are at stake, it is critical that the root of the problem is quickly identified to prevent further illness. Once the problem is found, it's just as important to contain it quickly. Too often, recalls expand because implicated product is not readily accounted for. Mention of traceability stirs fear for many in the food industry for several reasons: within a company, it's not clear if responsibility for traceability lies with food safety professionals involved in recalls, supply chain professionals who understand product movement, IT professionals who build and maintain the recordkeeping systems, or regulatory professionals who need to respond to government requests for information. There is also a sense that traceability is someone else's problem. Few firms admit that they are the weak link and instead tout how quickly they can perform mock recalls. But traceability is about more than just recalls. It is about the connectivity of the supply chain as a product and its constituents travel from the farm to the consumer. Because it is a systems issue, there is a sense that the investment by a single firm will be meaningless if supply chain partners don't have comparable abilities. This book will address both these surrounding issues and solutions.

Knowledge Engineering for Expert Systems Mike Greenwell 1988

Mindset Mathematics: Visualizing and Investigating Big Ideas, Grade 1 Jo Boaler 2021-01-27 Engage students in mathematics using growth mindset techniques The most challenging parts of teaching mathematics are engaging students and helping them understand the connections between mathematics concepts. In this volume, you'll find a collection of low floor, high ceiling tasks that will help you do just that, by looking at the big ideas at the first-grade level through visualization, play, and investigation. During their work with tens of thousands of teachers, authors Jo Boaler, Jen Munson, and Cathy Williams heard the same message—that they want to incorporate more brain science into their math instruction, but they need guidance in the techniques that work best to get across the concepts they needed to teach. So the authors designed Mindset Mathematics around the principle of active student engagement, with tasks that reflect the latest brain science on learning. Open, creative, and visual math tasks have been shown to improve student test scores, and more importantly change their relationship with mathematics and start believing in their own potential. The tasks in Mindset Mathematics reflect the lessons from brain science that: There is no such thing as a math person - anyone can learn mathematics to high levels. Mistakes, struggle and challenge are the most important times for brain growth. Speed is unimportant in mathematics. Mathematics is a visual and beautiful subject, and our brains want to think visually about mathematics. With engaging questions, open-ended tasks, and four-color visuals that will help kids get excited about mathematics, Mindset Mathematics is organized around nine big ideas which emphasize the connections within the Common Core State Standards (CCSS) and can be used with any current curriculum.

American Dyestuff Reporter 1965 Includes proceedings of American Association of Textile Chemists and Colorists

The United States Department of Commerce Publications, Catalog and Index Supplement United States. Department of Commerce 1973

Solution-based Casework William C. Barrett 2020-08-14 Solution-based casework is an approach to assessment, case planning, and case management that combines what we know from clinical social work with what we value about sound social work practice. It is grounded in family-centered social work and draws from clinical approaches within social work and mental health. By integrating problem- and solution-focused approaches that form the clinical and social work traditions, treatment partnerships are more easily formed between family, caseworker, and service provider. Solution-Based Casework is a skill-based, practice-oriented text that provides the specific guidance that students and new practitioners need in order to make sense quickly of the complex tasks of assessment and case planning in child welfare. The book flows out of a long practice experience, and was developed in consultation with workers and supervisors who were attempting to remedy problems viewed as contributing to recurrent abuse and neglect. It seeks to end adversarial relationships in casework and advocates case plans based on specific outcome skills rather than on those written with vague outcome goals measuring attendance in counseling. It serves as a common conceptual framework for integrating disparate segments of a response network, thereby allowing all providers in a therapeutic system to work toward common goals. The text is divided into three sections. In Section I the conceptual history and theoretical foundations of solution-based casework are presented so that the reader can place this approach to casework within the ongoing professional conversation about what constitutes sound practice. Section II addresses issues of assessment and case planning. Section III focuses on case management issues and how treatment team members experience a solution-based casework approach.

Young, Precalculus, Third Edition 2021-06-21

JavaScript for Kids Nick Morgan 2014-12-14 JavaScript is the programming language of the Internet, the secret sauce that makes the Web awesome, your favorite sites interactive, and online games fun! JavaScript for Kids is a lighthearted introduction that teaches programming essentials through patient, step-by-step examples paired with funny illustrations. You'll begin with the basics, like working with strings, arrays, and loops, and then move on to more advanced topics, like building interactivity with jQuery and drawing graphics with Canvas. Along the way, you'll write games such as Find the Buried Treasure, Hangman, and Snake. You'll also learn how to: - Create functions to organize and reuse your code - Write and modify HTML to create dynamic web pages - Use the DOM and jQuery to make your web pages react to user input - Use the Canvas element to draw and animate graphics - Program real user-controlled games with collision detection and score keeping With visual examples like bouncing balls, animated bees, and racing cars, you can really see what you're programming. Each chapter builds on the last, and programming challenges at the end of each chapter will stretch your brain and inspire your own amazing programs. Make something cool with JavaScript today! Ages 10+ (and their parents!)

Publications of the Astronomical Society of Japan Nihon Tenmon Gakkai 1984

Proceedings of the ... World Congress of the International Association for Philosophy of Law and Social Philosophy (IVR) International Association for the Philosophy of Law and Social Philosophy 2004

The Zeroth Book of Graph Theory Martin Charles Golumbic 2021-02-09 Marking 94 years since its first appearance, this book provides an annotated translation of Sainte-Laguë's seminal monograph *Les réseaux (ou graphes)*, drawing attention to its fundamental principles and ideas. Sainte-Laguë's 1926 monograph appeared only in French, but in the 1990s H. Gropp published a number of English papers describing several aspects of the book. He expressed his hope that an English translation might sometime be available to the mathematics community. In the 10 years following the appearance of *Les réseaux (ou graphes)*, the development of graph theory continued, culminating in the publication of the first full book on the theory of finite and infinite graphs in 1936 by Dénes König. This remained the only well-known text until Claude Berge's 1958 book on the theory and applications of graphs. By 1960, graph theory had emerged as a significant mathematical discipline of its own. This book will be of interest to graph theorists and mathematical historians.

Handbook of Energy Transitions Muhammad Asif 2022-10-14 The global energy scenario is undergoing an unprecedented transition. In the wake of enormous challenges—such as increased population, higher energy demands, increasing greenhouse gas emissions, depleting fossil fuel reserves, volatile energy prices, geopolitical concerns, and energy insecurity issues—the energy sector is experiencing a transition in terms of energy resources and their utilization. This modern transition is historically more dynamic and multidimensional compared to the past considering the vast technological advancements, socioeconomic implications and political responses, and ever-evolving global policies and regulations. Energy insecurity in terms of its critical dimensions—access, affordability, and reliability—remains a major problem hindering the socioeconomic progress in developing countries. The Handbook of Energy Transitions presents a holistic account of the 21st-century energy transition away from fossil fuels. It provides an overview of the unfolding transition in terms of overall dimensions, drivers, trends, barriers, policies, and geopolitics, and then discusses transition in terms of particular resources or technologies, such as renewable energy systems, solar energy, hydropower, hydrogen and fuel cells, electric vehicles, energy storage systems, batteries, digitalization, smart grids, blockchain, and machine learning. It also discusses the present energy transition in terms of broader policy and developmental perspectives. Further, it examines sustainable development, the economics of energy and green growth, and the role of various technologies and initiatives like renewables, nuclear power, and electrification in promoting energy security and energy transition worldwide. Key Features Includes technical, economic, social, and policy perspectives of energy transitions Features practical case studies and comparative assessments Examines the latest renewable energy and low-carbon technologies

Explains the connection between energy transition and global climate change

Landscaping for Wildlife in the Pacific Northwest Russell Link 2017-05-01 Whether you are planting a yard from scratch or modifying an existing area, Landscaping for Wildlife in the Pacific Northwest will help you select, arrange, and maintain plants and other landscape elements that fulfill wildlife needs. Homeowners, property owners, professional wildlife managers, landscape architects, and garden designers will all find it invaluable. A wealth of information is provided on: --Wildlife habitat and landscaping basics --Birds, mammals, reptiles, amphibians, and insects likely to be attracted to your property --Specialty gardens for butterflies and hummingbirds --How to plant and maintain woodlands, grasslands, wetlands, and waterways --Feeders and nest boxes --Ponds and birdbaths --Potential problems --Wildlife viewing tips --Extensive plant lists

Acta Physica Polonica 1980 Section A includes general physics, solid state physics, applied physics.

General Chemistry, Inorganic and Organic Garth L. Lee 1965

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