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The Power of Algorithms The Social Power of Algorithms If ... Then (Dis)Obedience in Digital Societies The Science of Computing Measuring Power of Algorithms, Computer Programs, and Information Automata Algorithms of Resistance Algorithms of Resistance Algorithmic Gatekeeping for Professional Communicators Optimization of Power System Problems Summary of Algorithms to Live By Metaheuristics Algorithms in Power Systems 有限会社アイ・アールエステクノロジー The Algorithmic Society Optimal Power Flow Using Evolutionary Algorithms Sensemaking In AI We Trust C++ Data Structures and Algorithm Design Principles Brain Storm Optimization Algorithms Algorithms for Sensor Systems Search Algorithms for Engineering Optimization Algorithms of Power Algorithms - ESA 2003 Computing Algorithms with Applications in Engineering Data Structures and Algorithms in Java Real-World Applications of Genetic Algorithms Electric Power System Planning Algorithms and Architectures for Parallel Processing Algorithms for Sensor Systems Electrical Power Unit Commitment Experimental and Efficient Algorithms Algorithms for Functional Programming Learning Bayesian Networks Wireless Algorithms, Systems, and Applications Harmony Search and Nature Inspired Optimization Algorithms Wireless Algorithms, Systems, and Applications The Threats of Algorithms and AI to Civil Rights, Legal Remedies, and American Jurisprudence Decision Making Algorithms for Hydro-Power Plant Location Algebraic Graph Algorithms Diophantine Equations and Power Integral Bases

The Power of Algorithms 2013-11-08 to examine analyze and manipulate a problem to the point of designing an algorithm for solving it is an exercise of fundamental value in many fields with so many everyday activities governed by algorithmic principles the power precision reliability and speed of execution demanded by users have transformed the design and construction of algorithms from a creative artisanal activity into a full fledged science in its own right this book is aimed at all those who exploit the results of this new science as designers and as consumers the first chapter is an overview of the related history demonstrating the long development of ideas such as recursion and more recent formalizations such as computability the second chapter shows how the design of algorithms requires appropriate techniques and sophisticated organization of data in the subsequent chapters the contributing authors present examples from diverse areas such as routing and networking problems search information security auctions and games complexity and randomness and the life sciences that show how algorithmic thinking offers practical solutions and also deepens domain knowledge the contributing authors are top class researchers with considerable academic and industrial experience they are also excellent educators and communicators and they draw on this experience with enthusiasm and humor this book is an excellent introduction to an intriguing domain and it will be enjoyed by undergraduate and postgraduate students in computer science engineering and mathematics and more broadly by all those engaged with algorithmic thinking

The Social Power of Algorithms 2019-10-23 the vast circulations of mobile devices sensors and data mean that the social world is now defined by a complex interweaving of human and machine agency key to this is the growing power of algorithms the decision making parts of code in our software dense and data rich environments algorithms can shape how we are retreated what we know who we connect with and what we encounter and they present us with some important questions about how society operates and how we understand it this book offers a series of concepts approaches and ideas for understanding the relations between algorithms and power each chapter provides a unique perspective on the integration of algorithms into the social world as such this book directly tackles some of the most important questions facing the social

sciences today this book was originally published as a special issue of information communication society
If ... Then 2018 introduction programmed sociality the multiplicity of algorithms neither black nor box un knowing algorithms life at the top engineering participation affective landscapes everyday encounters with algorithms programming the news when algorithms come to matter conclusion algorithmic life
(Dis)Obedience in Digital Societies 2022-03-31 algorithms are not to be regarded as a technical structure but as a social phenomenon they embed themselves currently still very subtle into our political and social system algorithms shape human behavior on various levels they influence not only the aesthetic reception of the world but also the well being and social interaction of their users they act and intervene in a political and social context as algorithms influence individual behavior in these social and political situations their power should be the subject of critical discourse or even lead to active disobedience and to the need for appropriate tools and methods which can be used to break the algorithmic power
The Science of Computing 1989 the science of computing presents in a no nonsense way an exposition on algorithms the topic that is the essence of computer programming appropriate for programmers computer professionals and the technically minded public
Measuring Power of Algorithms, Computer Programs, and Information Automata 2009 bonini and trere explore how people all around the world use different tactics to interfere with the algorithms behind the platforms they use to work entertain and inform themselves
Algorithms of Resistance 2023-11 how global workers influencers and activists develop tactics of algorithmic resistance by appropriating and repurposing the same algorithms that control our lives algorithms are all around us permeating more and more aspects of our daily lives while accounts of platform power tend to come across as bleak and monolithic algorithms of resistance shows how people can resist algorithms across a variety of domains drawing from rich ethnographic materials and perspectives from both the global north and south authors tiziano bonini and emiliano treré explore how people appropriate and reconfigure algorithms to pursue their objectives in three domains of everyday life gig work cultural industries and politics they reveal how forms

of algorithmic agency and resistance are endemic and mundane and how the platform society is a contested battleground of contrasting forces bonini and treré begin by outlining their key theoretical framework of moral economies this framework argues that algorithms exist on a continuum at its two extremes are two competing moral economies the user moral economy and the platform moral economy from here algorithms of resistance chronicles the various inventive ways that individuals can work to achieve agency and resist the ubiquitous power of algorithms casting a wide net with a diverse range of case studies bonini and treré reveal the moral imperative for all of us from delivery drivers to artists to social movements to resist algorithms

Algorithms of Resistance 2024-02-06 this book provides a critical study of the power trust and legitimacy of algorithmic gatekeepers the news and public information which citizens see and hear is no longer solely determined by journalists but increasingly by algorithms van dalen demonstrates the gatekeeping power of social media algorithms by showing how they affect exposure to diverse information and misinformation and shape the behaviour of professional communicators trust and legitimacy are foregrounded as two crucial antecedents for the acceptance of this algorithmic power this study reveals low trust among the general population in algorithms performing journalistic tasks and a perceived lack of legitimacy of algorithmic power among professional communicators drawing on case studies from youtube and instagram this book challenges technological deterministic discourse around filter bubbles and echo chambers and shows how algorithmic power is situated in the interplay between platforms audiences and professional communicators ultimately trustworthy algorithms used by news organizations and social media platforms as well as algorithm literacy training are proposed as ways forward towards democratic algorithmic gatekeeping presenting a nuanced perspective which challenges the deep divide between techno optimistic and techno pessimistic discourse around algorithms algorithmic gatekeeping is recommended reading for journalism and communication researchers in related fields the open access version of this book available at taylorfrancis com has been made available under a creative commons attribution non commercial no derivatives cc by nc nd 4 0 license

Algorithmic Gatekeeping for Professional Communicators 2023-05-30 this book presents integrated optimization

methods and algorithms for power system problems along with their codes in matlab providing a reliable and secure power and energy system is one of the main challenges of the new era due to the nonlinear multi objective nature of these problems the traditional methods are not suitable approaches for solving large scale power system operation dilemmas the integration of optimization algorithms into power systems has been discussed in several textbooks but this is the first to include the integration methods and the developed codes as such it is a useful resource for undergraduate and graduate students researchers and engineers trying to solve power and energy optimization problems using modern technical and intelligent systems based on theory and application case studies it is expected that readers have a basic mathematical background

Optimization of Power System Problems 2020-01-06 summary of algorithms to live by by brian christian and tom griffiths includes analysis preview algorithms to live by by brian christian and tom griffiths is an immersive look at the history and development of several algorithms used to solve computer science problems it also considers potential applications of algorithms in human life including memory storage and network communication one such computer science problem is the optimal stopping problem the mathematical puzzle for determining how long to review options and gather data before settling on the best choice available the algorithm based on statistical analysis shows that there is an optimal place or time to stop researching options or solutions to a problem and instead commit to the next option that s just as good as those already considered similarly the mathematical way to decide whether to try something new or stick with the familiar choice is expressed by the gittins index score of any given alternative it values a complete unknown more highly than a please note this is key takeaways and analysis of the book and not the original book inside this instaread summary of algorithms to live by by brian christian and tom griffiths includes analysis overview of the book important people key takeaways analysis of key takeaways about the author with instaread you can get the key takeaways summary and analysis of a book in 15 minutes we read every chapter identify the key takeaways and analyze them for your convenience visit our website at instaread co

Summary of Algorithms to Live By 2016-09-07 this book discusses the use of efficient metaheuristic algorithms

to solve diverse power system problems providing an overview of the various aspects of metaheuristic methods to enable readers to gain a comprehensive understanding of the field and of conducting studies on specific metaheuristic algorithms related to power system applications by bridging the gap between recent metaheuristic techniques and novel power system methods that benefit from the convenience of metaheuristic methods it offers power system practitioners who are not metaheuristic computation researchers insights into the techniques which go beyond simple theoretical tools and have been adapted to solve important problems that commonly arise on the other hand members of the metaheuristic computation community learn how power engineering problems can be translated into optimization tasks and it is also of interest to engineers and application developers further since each chapter can be read independently the relevant information can be quickly found power systems is a multidisciplinary field that addresses the multiple approaches used for design and analysis in areas ranging from signal processing and electronics to computational intelligence including the current trend of metaheuristic computation

Metaheuristics Algorithms in Power Systems 2019-01-11 ＜ＯＯＯＯＯＯ ＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯ ＯＯＯＯＯＯＯＯＯＯＯＯＯＯ ＯＯＯＯＯ ＯＯＯＯＯＯＯＯＯＯＯＯＯ ＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯ ＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯ ＯＯＯＯＯＯＯ ＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯＯ 2017-10-25 this book brings together three academic fields public administration criminal justice and urban governance into a single conceptual framework and offers a broad cultural political analysis addressing critical and ethical issues of algorithms

The Algorithmic Society 2022-06 in today s society modern power grids are driven closer to transfer capacities due to increased consumption and power transfers endangering the security of the systems providing methods in controlling variables to minimize costs transmission loss and voltage deviation of power system operation yields valuable economic information and insight into power flow optimal power flow using evolutionary algorithms provides emerging research exploring the theoretical and practical aspects of optimizing power system operation through advanced electronic power devices featuring coverage on a broad range of topics such as hybridization algorithm power system modeling and transmission systems this book is

ideally designed for engineers power system developers academicians and researchers seeking current research on emerging techniques in achieving quality power under normal operating conditions

Optimal Power Flow Using Evolutionary Algorithms 2018-09-14 based on his work at some of the world s largest companies including ford adidas and chanel christian madsbjerg s sensemaking is a provocative stand against the tyranny of big data and scientism and an urgent overdue defense of human intelligence humans have become subservient to algorithms every day brings a new moneyball fix a math whiz who will crack open an industry with clean fact based analysis rather than human intuition and experience as a result we have stopped thinking machines do it for us christian madsbjerg argues that our fixation with data often masks stunning deficiencies and the risks for humankind are enormous blind devotion to number crunching imperils our businesses our educations our governments and our life savings too many companies have lost touch with the humanity of their customers while marginalizing workers with liberal arts based skills contrary to popular thinking madsbjerg shows how many of today s biggest success stories stem not from quant thinking but from deep nuanced engagement with culture language and history he calls his method sensemaking in this landmark book madsbjerg lays out five principles for how business leaders entrepreneurs and individuals can use it to solve their thorniest problems he profiles companies using sensemaking to connect with new customers and takes readers inside the work process of sensemaking connoisseurs like investor george soros architect bjarke ingels and others both practical and philosophical sensemaking is a powerful rejoinder to corporate groupthink and an indispensable resource for leaders and innovators who want to stand out from the pack

Sensemaking 2017-03-21 one of the most persistent concerns about the future is whether it will be dominated by the predictive algorithms of ai and if so what this will mean for our behaviour for our institutions and for what it means to be human ai changes our experience of time and the future and challenges our identities yet we are blinded by its efficiency and fail to understand how it affects us at the heart of our trust in ai lies a paradox we leverage ai to increase our control over the future and uncertainty while at the same time the performativity of ai the power it has to make us act in the ways it predicts reduces our agency over the future this happens when

we forget that that we humans have created the digital technologies to which we attribute agency these developments also challenge the narrative of progress which played such a central role in modernity and is based on the hubris of total control we are now moving into an era where this control is limited as ai monitors our actions posing the threat of surveillance but also offering the opportunity to reappropriate control and transform it into care as we try to adjust to a world in which algorithms robots and avatars play an ever increasing role we need to understand better the limitations of ai and how their predictions affect our agency while at the same time having the courage to embrace the uncertainty of the future

In AI We Trust 2021-08-19 get started with c programming by learning how to build applications using its data structures and algorithms key featuresexplore data structures such as arrays stacks and graphs with real world examplesstudy the trade offs between algorithms and data structures and discover what works and what doesn tdiscover how techniques such as bloom filters and multi way heaps boost real world applicationsbook description c is a mature multi paradigm programming language that enables you to write high level code with a high degree of control over the hardware today significant parts of software infrastructure including databases browsers multimedia frameworks and gui toolkits are written in c this book starts by introducing c data structures and how to store data using linked lists arrays stacks and queues in later chapters the book explains the basic algorithm design paradigms such as the greedy approach and the divide and conquer approach which are used to solve a large variety of computational problems finally you will learn the advanced technique of dynamic programming to develop optimized implementations of several algorithms discussed in the book by the end of this book you will have learned how to implement standard data structures and algorithms in efficient and scalable c 14 code what you will learnbuild applications using hash tables dictionaries and setsexplore how modern hardware affects the actual run time performance of programsapply common algorithms such as heapsort and merge sort for string data typesuse c template metaprogramming to write code librariesimplement a url shortening service using a bloom filteruse appropriate modern c idioms such as std array instead of c style arrayswho this book is for this book is for developers or students who want to revisit

basic data structures and algorithm design techniques although no mathematical background is required basic knowledge of complexity classes and big o notation along with a qualification in an algorithms course will help you get the most out of this book familiarity with c 14 standard is assumed

C++ Data Structures and Algorithm Design Principles 2019-10-31 brain storm optimization bso algorithms are a new kind of swarm intelligence method which is based on the collective behavior of human beings i e on the brainstorming process since the introduction of bso algorithms in 2011 many studies on them have been conducted they not only offer an optimization method but could also be viewed as a framework of optimization techniques the process employed in the algorithms could be simplified as a framework with two basic operations the converging operation and the diverging operation a good enough optimum could be obtained through recursive solution divergence and convergence the resulting optimization algorithm would naturally have the capability of both convergence and divergence this book is primarily intended for researchers engineers and graduate students with an interest in bso algorithms and their applications the chapters cover various aspects of bso algorithms and collectively provide broad insights into what these algorithms have to offer the book is ideally suited as a graduate level textbook whereby students may be tasked with the study of the rich variants of bso algorithms that involves a hands on implementation to demonstrate the utility and applicability of bso algorithms in solving optimization problems

Brain Storm Optimization Algorithms 2019-06-03 this book constitutes the thoroughly refereed post conference proceedings of the 8th international workshop on algorithms for sensor systems wireless ad hoc networks and autonomous mobile entities algosensors 2012 held in ljubljana slovenia in september 2012 the 11 revised full papers presented together with two invited keynote talks and two brief announcements were carefully reviewed and selected from 24 submissions the papers are organized in two tracks sensor networks covering topics such as barrier resilience localization connectivity with directional antennas broadcast scheduling and data aggregation and ad hoc wireless and mobile systems covering topics such as sinr model geometric routing cognitive radio networks video delivery and mapping polygons

Algorithms for Sensor Systems 2013-01-12 heuristic search is an important sub discipline of optimization theory and finds applications in a vast variety of fields including life science and engineering search methods have been useful in solving tough engineering oriented problems that either could not be solved any other way or solutions take a very long time to be computed this book explores a variety of applications for search methods and techniques in different fields of electrical engineering by organizing relevant results and applications this book will serve as a useful resource for students researchers and practitioners to further exploit the potential of search methods in solving hard optimization problems that arise in advanced engineering technologies such as image and video processing issues detection and resource allocation in telecommunication systems security and harmonic reduction in power generation systems as well as redundancy optimization problem and search fuzzy learning mechanisms in industrial applications

Search Algorithms for Engineering Optimization 2013-02-13 the literature on bridging the semantic gap between mass and network mediated visuals and algorithms for their automatic identification and classification is growing and requires transdisciplinary contributions in part i by eminent computer and social scientists in part ii scholars from the social sciences and journalism explore a few major landmarks of the vastly neglected and more challenging areas of soundscapes and multi sensory experiences as well as censorship

Algorithms of Power 2011 this book constitutes the refereed proceedings of the 11th annual european symposium on algorithms esa 2003 held in budapest hungary in september 2003 the 66 revised full papers presented were carefully reviewed and selected from 165 submissions the scope of the papers spans the entire range of algorithmics from design and mathematical analysis issues to real world applications engineering and experimental analysis of algorithms

Algorithms - ESA 2003 2003-10-02 this book collects high quality research papers presented at the international conference on computing applications in electrical electronics engineering held at rajkiya engineering college sonbhadra india on august 30 31 2019 it provides novel contributions in computational intelligence together with valuable reference material for future research the topics covered include big data analytics iot and smart

infrastructures machine learning artificial intelligence and deep learning crowd sourcing and social intelligence natural language processing business intelligence high performance computing wireless mobile and green communications ad hoc sensor and mesh networks sdn and network virtualization cognitive systems swarm intelligence human computer interaction network and information security intelligent control soft computing networked control systems renewable energy sources and technologies biomedical signal processing pattern recognition and object tracking and sensor devices and applications

Computing Algorithms with Applications in Engineering 2020-03-02 the design and analysis of efficient data structures has long been recognized as a key component of the computer science curriculum goodrich tomassia and goldwasser s approach to this classic topic is based on the object oriented paradigm as the framework of choice for the design of data structures for each adt presented in the text the authors provide an associated java interface concrete data structures realizing the adts are provided as java classes implementing the interfaces the java code implementing fundamental data structures in this book is organized in a single java package net datastructures this package forms a coherent library of data structures and algorithms in java specifically designed for educational purposes in a way that is complimentary with the java collections framework

Data Structures and Algorithms in Java 2014-01-28 the book addresses some of the most recent issues with the theoretical and methodological aspects of evolutionary multi objective optimization problems and the various design challenges using different hybrid intelligent approaches multi objective optimization has been available for about two decades and its application in real world problems is continuously increasing furthermore many applications function more effectively using a hybrid systems approach the book presents hybrid techniques based on artificial neural network fuzzy sets automata theory other metaheuristic or classical algorithms etc the book examines various examples of algorithms in different real world application domains as graph growing problem speech synthesis traveling salesman problem scheduling problems antenna design genes design modeling of chemical and biochemical processes etc

Real-World Applications of Genetic Algorithms 2012-03-07 the present book addresses various power system planning issues for professionals as well as senior level and postgraduate students its emphasis is on long term issues although much of the ideas may be used for short and mid term cases with some modifications back up materials are provided in twelve appendices of the book the readers can use the numerous examples presented within the chapters and problems at the end of the chapters to make sure that the materials are adequately followed up based on what matlab provides as a powerful package for students and professional some of the examples and the problems are solved in using m files especially developed and attached for this purpose this adds a unique feature to the book for in depth understanding of the materials sometimes difficult to apprehend mathematically chapter 1 provides an introduction to power system planning psp issues and basic principles as most of psp problems are modeled as optimization problems optimization techniques are covered in some details in chapter 2 moreover psp decision makings are based on both technical and economic considerations so economic principles are briefly reviewed in chapter 3 as a basic requirement of psp studies the load has to be known therefore load forecasting is presented in chapter 4 single bus generation expansion planning gep problem is described in chapter 5 this study is performed using wasp iv developed by international atomic energy agency the study ignores the grid structure a multi bus gep problem is discussed in chapter 6 in which the transmission effects are somehow accounted for the results of single bus gep is used as an input to this problem sep problem is fully presented in chapter 7 chapter 8 devotes to network expansion planning nep problem in which the network is planned the results of nep somehow fixes the network structure some practical considerations and improvements such as multi voltage cases are discussed in chapter 9 as nep study is typically based on some simplifying assumptions and direct current load flow dclf analysis detailed reactive power planning rpp study is finally presented in chapter 10 to guarantee acceptable aclf performance during normal as well as contingency conditions this somehow concludes the basic psp problem the changing environments due to power system restructuring dictate some uncertainties on psp issues it is shown in chapter 11 that how these uncertainties can be accounted for although is intended to be a text book psp is a research

oriented topic too that is why chapter 12 is devoted to research trends in psp the chapters conclude with a comprehensive example in chapter 13 showing the step by step solution of a practical case

Electric Power System Planning 2011-06-24 this book constitutes the workshop proceedings of the 18th international conference on algorithms and architectures for parallel processing ica3pp 2018 held in guangzhou china in november 2018 the 24 full papers presented were carefully selected and reviewed from numerous submissions to the two following workshops ica3pp 2018 workshop on intelligent algorithms for large scale complex optimization problems ica3pp 2018 workshop on security and privacy in data processing

Algorithms and Architectures for Parallel Processing 2018-12-29 this book constitutes revised selected papers from the 11th international symposium on algorithms and experiments for wireless sensor networks algosensors 2015 held in patras greece in september 2015 the 16 full papers presented in this volume were carefully reviewed and selected from 30 submissions the deal with algorithms analysis and problem complexity computer communication networks computation by abstract devices and mathematics of computing

Algorithms for Sensor Systems 2015-12-31 this volume in the springerbriefs in energy series offers a systematic review of unit commitment uc problems in electrical power generation it updates texts written in the late 1990s and early 2000s by including the fundamentals of both uc and state of the art modeling as well as solution algorithms and highlighting stochastic models and mixed integer programming techniques the uc problems are mostly formulated as mixed integer linear programs although there are many variants a number of algorithms have been developed for or applied to uc problems including dynamic programming lagrangian relaxation general mixed integer programming algorithms and benders decomposition in addition the book discusses the recent trends in solving uc problems especially stochastic programming models and advanced techniques to handle large numbers of integer decision variables due to scenario propagation

Electrical Power Unit Commitment 2017-01-13 this book constitutes the refereed proceedings of the second international workshop on experimental and efficient algorithms wea 2003 held in ascona switzerland in may 2003 the 19 revised full papers presented together with 3 invited contributions were carefully reviewed and

selected from 40 submissions the focus of the volume is on applications of efficient algorithms for combinatorial problems

Experimental and Efficient Algorithms 2007-12-03 this book presents a variety of widely used algorithms expressing them in a pure functional programming language to make their structure and operation clearer to readers in the opening chapter the author introduces the specific notations that constitute the variant of scheme that he uses the second chapter introduces many of the simpler and more general patterns available in functional programming the chapters that follow introduce and explain data structures sorting combinatorial constructions graphs and sublist search throughout the book the author presents the algorithms in a purely functional version of the scheme programming language which he makes available on his website the book is supported with exercises and it is suitable for undergraduate and graduate courses on programming techniques

Algorithms for Functional Programming 2018-10-27 this book constitutes the refereed proceedings of the first annual international conference on wireless algorithms systems and applications wasa 2006 held in xi an china in august 2006 the book presents 63 revised full papers together with 2 invited keynote speech abstracts organized in topical sections on wireless pan and wireless lan wireless man and pervasive computing data management mobility localization and topology control performance modeling and analysis security and more

Learning Bayesian Networks 2002 the book covers different aspects of real world applications of optimization algorithms it provides insights from the fourth international conference on harmony search soft computing and applications held at bml munjal university gurgaon india on february 7 9 2018 it consists of research articles on novel and newly proposed optimization algorithms the theoretical study of nature inspired optimization algorithms numerically established results of nature inspired optimization algorithms and real world applications of optimization algorithms and synthetic benchmarking of optimization algorithms

Wireless Algorithms, Systems, and Applications 2006-08-03 this book constitutes the refereed proceedings of the 7th international conference on wireless algorithms systems and applications wasa 2012 held in yellow mountains china in august 2012 the 24 revised full papers presented together with 32 invited

papers were carefully reviewed and selected from 116 submissions the papers cover a wide range of topics such as cognitive radio networks cyber physical network systems mobile handset networking systems underwater and radar wireless networks and wireless and mobile security

Harmony Search and Nature Inspired Optimization Algorithms 2018-08-23 the threats of algorithms and a i to civil rights legal remedies and american jurisprudence addresses the many threats to american jurisprudence caused by the growing use of algorithms and artificial intelligence a i although algorithms prove valuable to society that value may also lead to the destruction of the foundations of american jurisprudence by threatening constitutional rights of individuals creating new liabilities for business managers and board members disrupting commerce interfering with long standing legal remedies and causing chaos in courtrooms trying to adjudge lawsuits alfred r cowger jr explains these threats and provides potential solutions for both the general public and legal practitioners scholars of legal studies media studies and political science will find this book particularly useful

Wireless Algorithms, Systems, and Applications 2012-08-10 the present study has attempted to apply the advantage of neuro genetic algorithms for optimal decision making in maximum utilization of natural resources hydro power is one of the inexpensive but a reliable source of alternative energy which is foreseen as the possible answer to the present crisis in the energy sector however the major problem related to hydro energy is its dependency on location an ideal location can produce maximum energy with minimum loss besides such power plant also requires substantial amount of land which is a precious resource nowadays due to the rapid and uncontrolled urbanization observed in most of the urban centres in the world the feasibility of such plants also depends on social acceptance as well as the level of environmental casualty and economic benefit all of which is also spatially dependent decision making algorithms are applied to identify better solution if a problem has more than one alternative explication nature based algorithms are found to be efficient enough to catalyze such kind of decision making analysis that is why the present study tries to utilize nature based algorithms to solve the problems of location selection for hydropower plants the study employed six different types of nature

based algorithms to select one of the locations among many available for installation of hydropower plant in the north eastern part of the indian subcontinent the locations are selected based on their in stream resources and included in the decision making as alternatives a methodology of criteria selection determination of weightage and applications of bioinspired algorithms are adopted to produce utmost exertion of the available natural resources with minimum hostility and wastage of the same

The Threats of Algorithms and AI to Civil Rights, Legal Remedies, and American Jurisprudence 2020-10-06 this textbook discusses the design and implementation of basic algebraic graph algorithms and algebraic graph algorithms for complex networks employing matroids whenever possible the text describes the design of a simple parallel matrix algorithm kernel that can be used for parallel processing of algebraic graph algorithms example code is presented in pseudocode together with case studies in python and mpi the text assumes readers have a background in graph theory and or graph algorithms

Decision Making Algorithms for Hydro-Power Plant Location 2013-06-06 work examines the latest algorithms and tools to solve classical types of diophantine equations unique book closest competitor smart cambridge does not treat index form equations author is a leading researcher in the field of computational algebraic number theory the text is illustrated with several tables of various number fields including their data on power integral bases several interesting properties of number fields are examined some infinite parametric families of fields are also considered as well as the resolution of the corresponding infinite parametric families of diophantine equations

Algebraic Graph Algorithms 2021-11-17

Diophantine Equations and Power Integral Bases 2019-09-03

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