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Mathematical Recreations and Essays Cambridge University Press

This book constitutes the refereed proceedings of the 10th International Conference on Evolutionary Multi-Criterion Optimization, EMO 2019 held in East Lansing, MI, USA, in March 2019. The 59 revised full papers were carefully reviewed and selected from 76 submissions. The papers are divided into 8 categories, each representing a key area of current interest in the EMO field today. They include theoretical developments, algorithmic developments, issues in many-objective optimization, performance metrics, knowledge extraction and surrogate-based EMO, multi-objective combinatorial problem solving, MCDM and interactive EMO methods, and applications.

T-Bytes Platforms & Applications Springer

Learn how to use R to turn raw data into insight, knowledge, and understanding. This book introduces you to R, RStudio, and the tidyverse, a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience, *R for Data Science* is designed to get you doing data science as quickly as possible. Authors Hadley Wickham and Garrett Grolemund guide you through the steps of importing, wrangling, exploring, and modeling your data and communicating the results. You'll get a complete, big-picture understanding

of the data science cycle, along with basic tools you need to manage the details. Each section of the book is paired with exercises to help you practice what you've learned along the way. You'll learn how to: Wrangle—transform your datasets into a form convenient for analysis Program—learn powerful R tools for solving data problems with greater clarity and ease Explore—examine your data, generate hypotheses, and quickly test them Model—provide a low-dimensional summary that captures true "signals" in your dataset Communicate—learn R Markdown for integrating prose, code, and results

Painlevé Differential Equations in the Complex Plane John Wiley & Sons

These are exciting times for philosophical theorizing about propositions, with the last 15 years seeing the development of new approaches and the emergence of new theorists. Propositions have been invoked to explain thought and cognition, the nature and attribution of mental states, language and communication, and in philosophical treatments of truth, necessity and possibility. According to Frege and Russell, and their followers, propositions are structured mind- and language-independent abstract objects which have essential and intrinsic truth-conditions. Some recent theorizing doubts whether propositions really exist and, if they do, asks how we can grasp, entertain and know them? But most of the doubt concerns whether the abstract approach to propositions can really explain them. Are propositions really structured, and if so where does their structure come from? How does this structure form a unity, and does it need to? Are the representational and structural properties of propositions really independent of those of thinking and language? What does it mean to say that an object occurs in or is a

constituent of a proposition? The volume takes up these and other questions, both as they apply to the abstract object approach and also to the more recently developed approaches. While the volume as a whole does not definitively and unequivocally reject the abstract objection approach, for the most part, the papers explore new critical and constructive directions. This book was originally published as a special issue of the *Canadian Journal of Philosophy*.

The Ohio Journal of Science Springer
Includes book reviews and abstracts.

The Federal Cases Springer

This book is the first comprehensive treatment of Painlevé differential equations in the complex plane. Starting with a rigorous presentation for the meromorphic nature of their solutions, the Nevanlinna theory will be applied to offer a detailed exposition of growth aspects and value distribution of Painlevé transcendents. The subsequent main part of the book is devoted to topics of classical background such as representations and expansions of solutions, solutions of special type like rational and special transcendental solutions, Bäcklund transformations and higher order analogues, treated separately for each of these six equations. The final chapter offers a short overview of applications of Painlevé equations, including an introduction to their discrete counterparts. Due to the present important role of Painlevé equations in physical applications, this monograph should be of interest to researchers in both mathematics and physics and to graduate students interested in mathematical physics and the theory of differential equations.

Memoirs of the College of Science, Kyoto Imperial University "O'Reilly Media, Inc."

Over the last decade, a great amount of effort and resources have been invested in the development of Semantic Web Service (SWS) frameworks. Numerous description languages, frameworks, tools, and matchmaking and composition algorithms have been proposed. Nevertheless, when faced with a real-world problem, it is still very hard to decide which of these different approaches to use. In this book, the editors present an overall overview and comparison of the main current evaluation initiatives for SWS. The presentation is divided into four parts, each referring to one of the evaluation initiatives. Part I covers the long-established first two tracks of the Semantic Service Selection (S3) Contest – the OWL-S matchmaker evaluation and the SAWSDL matchmaker evaluation. Part II introduces the new S3 Jena Geography Dataset (JGD) cross evaluation contest. Part III presents the Semantic Web Service Challenge. Lastly, Part IV reports on the semantic aspects of the Web Service Challenge. The introduction to each part provides an overview of the evaluation initiative and overall results for its latest evaluation workshops. The following chapters in each part, written by the participants, detail their approaches, solutions and lessons learned. This book is aimed at two different types of readers. Researchers on SWS technology receive an overview of existing approaches in SWS with a particular focus on evaluation approaches; potential users of SWS technologies receive a comprehensive summary of the respective strengths and weaknesses of current systems and thus guidance on factors that play a role in evaluation.

The Chemical News and Journal of Physical Science Springer Nature

Strength of Materials provides a comprehensive overview of the latest theory of strength of materials. The unified theory presented in this book is developed around three concepts: Hooke's Law, Equilibrium Equations, and Compatibility conditions. The first two of these methods have been fully understood, but clearly are indirect methods with limitations. Through research, the authors have come to understand compatibility conditions, which,

until now, had remained in an immature state of development. This method, the Integrated Force Method (IFM) couples equilibrium and compatibility conditions to determine forces directly. The combination of these methods allows engineering students from a variety of disciplines to comprehend and compare the attributes of each. The concept that IFM strength of materials theory is problem independent, and can be easily generalized for solving difficult problems in linear, nonlinear, and dynamic regimes is focused upon. Discussion of the theory is limited to simple linear analysis problems suitable for an undergraduate course in strength of materials. - Provides a novel approach integrating two popular indirect solution methods with newly researched, more direct conditions - Completes the previously partial theory of strength of materials - A new frontier in solid mechanics

Nuclear Science Abstracts EGBG Services LLC

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.

The Semantic Web: Research and Applications John Wiley & Sons

This book constitutes the refereed proceedings of the 17th International Conference on Principles of Distributed Systems, OPODIS 2013, held in Nice, France, in December 2013. The 19 papers presented together with two invited talks were carefully reviewed and selected from 41 submissions. The conference is an international forum for the exchange of state-of-the-art knowledge on distributed computing and systems. Papers were sought soliciting original research contributions to the theory, specification, design and implementation of distributed systems.

The Canadian Mining and Metallurgical Bulletin Springer
NSA is a comprehensive collection of international nuclear

science and technology literature for the period 1948 through 1976, pre-dating the prestigious INIS database, which began in 1970. NSA existed as a printed product (Volumes 1-33) initially, created by DOE's predecessor, the U.S. Atomic Energy Commission (AEC). NSA includes citations to scientific and technical reports from the AEC, the U.S. Energy Research and Development Administration and its contractors, plus other agencies and international organizations, universities, and industrial and research organizations. References to books, conference proceedings, papers, patents, dissertations, engineering drawings, and journal articles from worldwide sources are also included. Abstracts and full text are provided if available.

Schoenberg's Twelve-Tone Music Springer Science & Business Media

The refereed proceedings of the 4th International Workshop on Multiple Classifier Systems, MCS 2003, held in Guildford, UK in June 2003. The 40 revised full papers presented with one invited paper were carefully reviewed and selected for presentation. The papers are organized in topical sections on boosting, combination rules, multi-class methods, fusion schemes and architectures, neural network ensembles, ensemble strategies, and applications

Technical Note Elsevier

During the last thirty years, a wide range of product companies throughout the Western economies have considered moving into or setting up service businesses. Some have rejected the idea after careful consideration, some have wandered into competitive services without any real idea of what is involved and others have deliberately executed a carefully considered strategic manoeuvre. Included in this debate are some of the most famous business names in the western world: Unisys, Ericsson, Michelin, Nokia and HP. For IBM it was Lou Gerstener's 'big bet'; at GE it was one of former CEO Jack Welch's 'four major strategies' and, at General Motors, the financial services arm was its most profitable business for many years. Yet very little has been published on this profound transition. As a result, myths and idiocies abound. Some routinely claim that the 'evolution from products through services to solutions' is inevitable. Others think that manufacturing is being outsourced to China and India while American or European

teenagers face a career in hamburger stalls. The truth is much more fascinating. To succeed in a service business, most functions of a product company need to change. Operations, management, recruitment, finance, sales, new product development and marketing must all be adjusted. So the move into service therefore involves huge risk caused by disruptive and radical change. What has pushed realistic business people in such widely different industrial sectors to take so large a risk? Does their experience contain lessons or warnings for others? Is the trend likely to continue and affect other parts of the world as their economies develop? Will India, China or other developing economies need to learn how to export service once their manufacturing industries mature? Written by a successful businessman who has been at the heart of these changes in several companies and, with case studies from companies like IBM, Unilever, BT, Michelin, Ericsson and Nokia, this book explores the experience of those who have made the transition; and some who have resisted it. It covers in depth subjects such as: strategic focus, change management, service operations, branding a service business, service sales and service marketing. It is the first major work on this subject. "This book is a 'must read' for those considering the plunge into service growth and innovation. Even those companies that have already taken the plunge will gain fresh perspective" —Jim Spohrer, Director, IBM Almaden Research Centre, USA "Laurie Young details in very practical ways the reasons and methodologies for change ... I would recommend this book to every one of my customers." —Douglas Morse, Managing Principal for the Services Transformation and Innovation Group LLC "I am thrilled with the publication of this much needed book. In my work with businesses around the globe, I find that grappling with the challenge of transforming a company from products to services is a compelling priority for increasing numbers of firms." —Stephen W. Brown, PhD, Carson Chair,

Professor and Executive Director, Center for Services Leadership, W. P. Carey School of Business, Arizona State University
A Treatise of Isoperimetrical Problems, and the Calculus of Variations Routledge
Covers receipts and expenditures of appropriations and other funds.
R for Data Science Edward Elgar Publishing
Mathematical models are powerful tools used in the prediction of pollutant movement. This book discusses the Finite Element Method (FEM) and Boundary Element Method (BEM), and takes a look at the advantages of these methods in groundwater hydrology. The combination of the BEM and the random-walk particle tracking method is also presented. The book includes computer programs, source code, and examples developed on the basis of the theoretical backgrounds of these methods. These Visual C++ programs are compatible with the Windows platform.
Statement of Disbursements of the House Springer Science & Business Media
This book proposes a process-oriented model for business networking and the concept of networkability to develop realistic strategies for managing enterprises relationships in the Internet economy. It formulates key success factors and management guidelines which were developed in close co-operation between research and practice.
The Russell Process in Its Practical Application and Economic Results Springer Science & Business Media
This proceedings book covers the theory, design and applications of computer networks, distributed computing and information systems. Today's networks are evolving rapidly, and there are several developing areas and applications. These include heterogeneous networking supported by recent technological advances in power wireless communications, along with silicon integration of various functionalities such as sensing, communications, intelligence and actuations, which is emerging as a critically important disruptive computer class based on a new platform, networking structure and interface that enables novel, low-cost

and high-volume applications. However, implementing these applications has sometimes been difficult due to interconnection problems. As such, different networks need to collaborate, and wired and next-generation wireless systems need to be integrated in order to develop high-performance computing solutions to address the problems arising from these networks' complexities. This ebook presents the latest research findings, as well as theoretical and practical perspectives on the innovative methods and development techniques related to the emerging areas of information networking and applications
Strength of Materials Routledge
This book constitutes revised selected papers from the 6th International Conference on Operations Research and Enterprise Systems, ICORES 2017, held in Porto, Portugal, in February 2017. The 15 papers presented in this volume were carefully reviewed and selected from a total of 90 submissions. They are organized in topical sections named: methodologies and technologies; and applications.
Advanced Information Networking and Applications Springer
List of fellows for 1908- in v. 25.
The American Journal of Science
In this volume, Brakel raises questions about conventions in the study of mind in three disciplines—psychoanalysis, philosophy of mind, and experimental philosophy. She illuminates new understandings of the mind through interdisciplinary challenges to views long-accepted. Here she proposes a view of psychoanalysis as a treatment that owes its successes largely to its biological nature—biological in its capacity to best approximate the extinction of problems arising owing to aversive conditioning. She also discusses whether or not "the mental" can have any real ontological standing, arguing that a form of reductive physicalism can be sufficient ontologically, but that epistemological considerations require a branch of non-reductive physicalism. She then notes the positive implications

of this view for psychiatry and psychoanalysis, Finally, she investigates the role of "consistency" in method and content, toward which experimental philosophers strive. In essence, Brakel articulates the different sets of challenges pertaining to: a) ancient dilemmas such as the mind/body problem; b) longstanding debates about the nature of therapeutic action in psychoanalysis; and c) new core questions arising in the relatively young discipline of experimental philosophy.

Business Networking

This document brings together a set of latest data points and publicly available information relevant for Platforms & Applications. We are very excited to share this content and believe that readers will benefit immensely from this periodic publication immensely.