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The Psychophysiology of Action

Springer
This book constitutes the refereed proceedings of the 20th and 21st International Conference on Formal Grammar 2015 and 2016, collocated with the European Summer School in Logic, Language and Information in August 2015/2016. The 19 revised full papers presented together with 2 invited talks were carefully reviewed and selected from a total of 34 submissions. The focus of papers are as follows:
Formal and computational phonology, morphology, syntax, semantics and pragmatics
Model-theoretic and proof-theoretic methods in linguistics
Logical aspects of linguistic structure
Constraint-based and resource-sensitive approaches to grammar
Learnability of formal grammar
Integration of stochastic and symbolic models of grammar
Foundational, methodological and architectural issues in grammar and linguistics
Mathematical foundations of statistical approaches to linguistic analysis

Mathematics Higher Level for the IB

Diploma OUP Oxford

What does it feel like to be featured, quoted, or just named in a news story? A refugee family, the survivor of a shooting, a primary voter in Iowa—the views and experiences of ordinary people are an important component of journalism. While much has been written about how journalists work and gather stories, what do we discover about the practice of journalism and attitudes about the media by focusing on the experiences of the subjects themselves? In *Becoming the News*, Ruth Palmer argues that understanding the motivations and experiences of those who have been featured in news stories—voluntarily or not—sheds new light on the practice of journalism and the importance many continue to place on the role of the mainstream media. Based on dozens of interviews with news subjects, *Becoming the News* studies how ordinary people make sense of their experience as media subjects. Palmer charts the arc of the experience of “making” the news, from the events

that brought an ordinary person to journalists’ attention through the decision to cooperate with reporters, interactions with journalists, and reactions to the news coverage and its aftermath. She explores what motivates someone to talk to the press; whether they consider the potential risks; the power dynamics between a journalist and their subject; their expectations about the motivations of journalists; and the influence of social media on their decisions and reception. Pointing to the ways traditional news organizations both continue to hold on to and are losing their authority, *Becoming the News* has important implications for how we think about the production and consumption of news at a time when Americans distrust the news media more than ever.

[The Statistical Physics of Fixation and Equilibration in Individual-Based Models](#)
Rowman & Littlefield

A new series of Exam Preparation guides for the IB Diploma Mathematics HL and SL and Mathematical Studies. This exam preparation guide for the core content of the IB Diploma

Mathematics Higher Level course and breaks the course down into chapters that summarise material and present revision questions by exam question type, so that revision can be highly focused to make best use of students' time.

Students can stretch themselves to achieve their best with 'going for the top' questions for those who want to achieve the highest results. Worked solutions for all the mixed and 'going for the top' questions are included, plus exam hints throughout. Guides for Mathematics Standard Level and Mathematical Studies are also available. *IJER Vol 25-N3* Springer Nature

This book explores the impacts of climate change on Nigeria. How climate change impacts the productivity and future development of different sectors in Nigeria was covered in this book. Various themes of the Nigerian economy, environment, and climate change were considered. Worthy of note are the impacts of climate change on the Nigerian air quality, surface and groundwater resources, watershed and natural resources' development

and planning, soil- quality, fertility, salinization, nutrients and cropping patterns. Also, the impact of climate change on land use/land cover, urbanization and strategic planning, crops and sustainable crop yield; land degradation, soil erosion, landslides and landscapes, rainfall trend patterns, drought vulnerability; ecology, vegetation/forest, carbon and biomass management of Nigeria were investigated. Finally, the problems of climate change in semi-arid and arid regions (with special emphasis on Nigeria) and possible solutions for sustainable development under the changing climate were discussed in this book. Advanced technologies, such as remote sensing, GIS, multivariate analytical tools, and machine learning techniques, were utilized in the exploration and analysis of the themes of this book. Thus, this book is a very important product for point of view researchers, scientists, NGOs, and university communities on the Nigerian climate change. This book is a useful interdisciplinary tool, cutting across various disciplines such as earth sciences, hydrology,

environmental sciences, soil science, engineering, remote sensing, natural resources management, and public health management, etc.

Advances in Mathematical Sciences Springer Science & Business Media

This title forms part of the completely new Mathematics for the IB Diploma series. This highly illustrated book covers topic 10 of the IB Diploma Higher Level Mathematics syllabus, the optional topic Discrete Mathematics. It is also for use with the further mathematics course.

Based on the new group 5 aims, the progressive approach encourages cumulative learning. Features include: a dedicated chapter exclusively for mixed examination practice; plenty of worked examples; questions colour-coded according to grade; exam-style questions; feature boxes throughout of exam hints and tips.

Computational Methods in Earthquake Engineering Springer

What are "essential questions," and how do they differ from other kinds of questions? What's so great about them? Why should you design and use essential questions in

your classroom? Essential questions (EQs) help target standards as you organize curriculum content into coherent units that yield focused and thoughtful learning. In the classroom, EQs are used to stimulate students' discussions and promote a deeper understanding of the content. Whether you are an Understanding by Design (UbD) devotee or are searching for ways to address standards—local or Common Core State Standards—in an engaging way, Jay McTighe and Grant Wiggins provide practical guidance on how to design, initiate, and embed inquiry-based teaching and learning in your classroom. Offering dozens of examples, the authors explore the usefulness of EQs in all K-12 content areas, including skill-based areas such as math, PE, language instruction, and arts education. As an important element of their backward design approach to designing curriculum, instruction, and assessment, the authors *Give a comprehensive explanation of why EQs are so important; *Explore seven defining characteristics of EQs;

*Distinguish between topical and overarching questions and their uses; *Outline the rationale for using EQs as the focal point in creating units of study; and *Show how to create effective EQs, working from sources including standards, desired understandings, and student misconceptions. Using essential questions can be challenging—for both teachers and students—and this book provides guidance through practical and proven processes, as well as suggested "response strategies" to encourage student engagement. Finally, you will learn how to create a culture of inquiry so that all members of the educational community—students, teachers, and administrators—benefit from the increased rigor and deepened understanding that emerge when essential questions become a guiding force for learners of all ages. Mathematics Higher Level for the IB Diploma Option Topic 8 Sets, Relations and Groups St. Martin's Griffin
The ability to analyze and interpret enormous amounts of data has

become a prerequisite for success in allied healthcare and the health sciences. Now in its 11th edition, *Biostatistics: A Foundation for Analysis in the Health Sciences* continues to offer in-depth guidance toward biostatistical concepts, techniques, and practical applications in the modern healthcare setting. Comprehensive in scope yet detailed in coverage, this text helps students understand—and appropriately use—probability distributions, sampling distributions, estimation, hypothesis testing, variance analysis, regression, correlation analysis, and other statistical tools fundamental to the science and practice of medicine. Clearly-defined pedagogical tools help students stay up-to-date on new material, and an emphasis on statistical software allows faster, more accurate calculation while putting the focus on the underlying concepts rather than the math. Students develop highly relevant skills in inferential and differential statistical techniques, equipping them with the ability to organize, summarize, and interpret large bodies of data.

Suitable for both graduate and advanced undergraduate coursework, this text retains the rigor required for use as a professional reference.

13+ Mathematics Level 1 Exams Pack (Summer Term 2013) Springer Nature

Even with today's mobile technology, most work is still undertaken in a physical workplace.

Today's workplaces need to be healthy environments that minimize the risks of illnesses or injuries to occupants to compete in the marketplace. This necessitates the application of good ergonomics design principles to the creation of effective workplaces, and this is the focus of this book. This book will:

- Focus on ergonomic design for better health and ergonomic design for better productivity
- Presents environments that support new ways of working and alternative workplace strategies, as well as the impacts of new technologies
- Covers the role of ergonomics design in creating sustainable workplaces
- Includes ergonomics design for a wide variety of workplaces, from offices to hospitals, to hotels to

vehicles, etc... · Shows the design principles on how to design and create a healthy and productive workplace The market lacks an ergonomics design book that covers the topics that this book will cover. This book summarizes design principles for practitioners, and applies them to the variety of workplace settings described in the book. No other book currently on the market does that.

Mathematical Analysis I Hodder Education

This completely new title is written to specifically cover the new IB Diploma Mathematical Studies syllabus. The significance of mathematics for practical applications is a prominent theme throughout this coursebook, supported with Theory of Knowledge, internationalism and application links to encourage an appreciation of the broader contexts of mathematics.

Mathematical modelling is also a key feature. GDC tips are integrated throughout, with a dedicated GDC chapter for those needing more support. Exam hints and IB exam-style questions are provided within each chapter; sample exam

papers (online) can be tackled in exam-style conditions for further exam preparation.

Guidance and support for the internal assessment is also available, providing advice on good practice when writing the project.

Formal Grammar

Cambridge University Press

Students become experts and innovators through Concept-Based teaching Innovators don't invent without a deep

understanding of how the world works. With this foundation, they apply conceptual understanding to solve new problems.

We want our students to not only retain ideas, but relate them to other things they encounter, using each new situation to add nuance and sophistication to their thinking. To do this, they need conceptual

understanding. This book serves as a road map for Concept-Based teaching. Discover how to help students uncover

conceptual relationships and transfer them to new situations. Specifically, teachers will learn:

- Strategies for introducing conceptual learning to students
- Four lesson frameworks to help students uncover conceptual relationships

How to assess conceptual understanding, and How to differentiate concept-based instruction Look no further. For deep learning and innovative thinking, this book is the place to start. "The authors tear down the false dichotomies of traditional vs innovative education and provide a practical toolkit for developing creativity and applying knowledge through Concept-Based learning. Every practitioner needs this book to juxtapose what worked well in the 20th Century with what is essential in the 21st Century and beyond." Michael McDowell, Superintendent Ross School District, Ross, CA "While most good educators recognise the incredible value of teaching conceptually, it is challenging. The authors have created accessible, practical baby steps for every teacher to use." Dr. Vincent Chan, principal Fairview International School, Kuala Lumpur, Malaysia [Information and Software Technologies](#) Springer Nature
This title forms part of the completely new Mathematics for the IB Diploma series. This highly illustrated book covers topic 8 of the IB

Diploma Higher Level Mathematics syllabus, the optional topic Sets, Relations and Groups. It is also for use with the further mathematics course. Based on the new group 5 aims, the progressive approach encourages cumulative learning. Features include: a dedicated chapter exclusively for mixed examination practice; plenty of worked examples; questions colour-coded according to grade; exam-style questions; feature boxes throughout of exam hints and tips. [Berkeley Problems in Mathematics](#) Cambridge University Press
The book "Advances in Information and Communication Networks - Proceedings of the 2022 Future of Information and Communication Conference (FICC)" aims in presenting the latest research advances, sharing expert knowledge and exchanging ideas with the common goal of shaping the future of Information and Communication. The conference attracted 402 submissions, of which, 131 submissions (including six poster papers) have been selected through a double-blind review

process by an international panel of expert referees. This book discusses on aspects of Communication, Data Science, Ambient Intelligence, Networking, Computing, Security and Internet of Things, from classical to intelligent scope. The intention is to help academic pioneering researchers, scientists, industrial engineers, and students become familiar with and stay abreast of the ever-changing technology surrounding their industry. We hope that readers find the volume interesting and valuable; it gathers chapters addressing state-of-the-art intelligent methods and techniques for solving real world problems along with a vision of the future research. [NDA Math Paper Exam Book | Chapter Wise Book For Defense Aspirants | Complete Preparation Guide](#) Corwin Press
This seventh volume of Collected Papers includes 70 papers comprising 974 pages on (theoretic and applied) neutrosophics, written between 2013-2021 by the author alone or in collaboration with the following 122 co-authors from 22 countries: Mohamed Abdel-Basset, Abdel-

- Nasser Hussian, C. Alexander, Mumtaz Ali, Yaman Akbulut, Amir Abdullah, Amira S. Ashour, Assia Bakali, Kousik Bhattacharya, Kainat Bibi, R. N. Boyd, Ümit Budak, Lulu Cai, Cenap Özel, Chang Su Kim, Victor Christianto, Chunlai Du, Chunxin Bo, Rituparna Chutia, Cu Nguyen Giap, Dao The Son, Vinayak Devvrat, Arindam Dey, Partha Pratim Dey, Fahad Alsharari, Feng Yongfei, S. Ganesan, Shivam Ghildiyal, Bibhas C. Giri, Masooma Raza Hashmi, Ahmed Refaat Hawas, Hoang Viet Long, Le Hoang Son, Hongbo Wang, Hongnian Yu, Mihaiela Iliescu, Saeid Jafari, Temitope Gbolahan Jaiyeola, Naem Jan, R. Jeevitha, Jun Ye, Anup Khan, Madad Khan, Salma Khan, Ilanthenral Kandasamy, W.B. Vasantha Kandasamy, Darjan Karabašević, Kifayat Ullah, Kishore Kumar P.K., Sujit Kumar De, Prasun Kumar Nayak, Malayalan Lathamaheswari, Luong Thi Hong Lan, Anam Luqman, Luu Quoc Dat, Tahir Mahmood, Hafsa M. Malik, Nivetha Martin, Mai Mohamed, Parimala Mani, Mingcong Deng, Mohammed A. Al Shumrani, Mohammad Hamidi, Mohamed Talea, Kalyan Mondal, Muhammad Akram, Muhammad Gulistan, Farshid Mofidnakhaei, Muhammad Shoaib, Muhammad Riaz, Karthika Muthusamy, Nabeela Ishfaq, Deivanayagampillai Nagarajan, Sumera Naz, Nguyen Dinh Hoa, Nguyen Tho Thong, Nguyen Xuan Thao, Noor ul Amin, Dragan Pamučar, Gabrijela Popović, S. Krishna Prabha, Surapati Pramanik, Priya R, Qiaoyan Li, Yaser Saber, Said Broumi, Saima Anis, Saleem Abdullah, Ganeshsree Selvachandran, Abdulkadir Sengür, Seyed Ahmad Edalatpanah, Shahbaz Ali, Shahzaib Ashraf, Shouzhen Zeng, Shio Gai Quek, Shuangwu Zhu, Shumaiza, Sidra Sayed, Sohail Iqbal, Songtao Shao, Sundas Shahzadi, Dragiša Stanujkić, Željko Stević, Udhayakumar Ramalingam, Zunaira Rashid, Hossein Rashmanlou, Rajkumar Verma, Luige Vlădăreanu, Victor Vlădăreanu, Desmond Jun Yi Tey, Selçuk Topal, Naveed Yaqoob, Yanhui Guo, Yee Fei Gan, Yingcang Ma, Young Bae Jun, Yuping Lai, Hafiz Abdul Wahab, Wei Yang, Xiaohong Zhang, Edmundas Kazimieras Zavadskas, Lemnaouar Zedam.
- Myth and Narrative in International Politics
Infinite Study
This book collects approximately nine hundred problems that have appeared on the preliminary exams in Berkeley over the last twenty years. It is an invaluable source of problems and solutions. Readers who work through this book will develop problem solving skills in such areas as real analysis, multivariable calculus, differential equations, metric spaces, complex analysis, algebra, and linear algebra.
- International Conference on Applications and Techniques in Cyber Security and Intelligence ATCI 2018* Cambridge University Press
This title forms part of the completely new Mathematics for the IB Diploma series. This highly illustrated book covers topic 9 of the IB Diploma Higher Level Mathematics syllabus, the optional topic Calculus. It is also for use with the further mathematics course. Based on the new group 5 aims, the progressive approach encourages cumulative

learning. Features include: a dedicated chapter exclusively for mixed examination practice; plenty of worked examples; questions colour-coded according to grade; exam-style questions; feature boxes throughout of exam hints and tips.

Climate Change

Impacts on Nigeria Now Pub

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Ergonomic Workplace Design for Health, Wellness, and Productivity

Springer Science & Business Media

This book systematically explores how different theoretical concepts of myth can be utilised to interpretively explore contemporary international politics. From the international community to warlords, from participation to effectiveness – international politics is

replete with powerful narratives and commonly held beliefs that qualify as myths. Rebutting the understanding of myth-as-lie, this collection of essays unearths the ideological, naturalising, and depoliticising effect of myths. Myth and Narrative in International Politics: Interpretive Approaches to the Study of IR offers conceptual and methodological guidance on how to make sense of different myth theories and how to employ them in order to explore the powerful collective imaginations and ambiguities that underpin international politics today. Further, it assembles case studies of specific myths in different fields of International Relations, including warfare, global governance, interventionism, development aid, and statebuilding. The findings challenge conventional assumptions in International Relations, encouraging academics in IR and across a range of different fields and disciplines, including development studies, global governance studies, strategic and military studies, intervention and statebuilding studies, and

peace and conflict studies, to rethink ideas that are widely unquestioned by policy and academic communities.

Collected Papers.

Volume VII Springer

This book is an introduction to the language and standard proof methods of mathematics. It is a bridge from the computational courses (such as calculus or differential equations) that students typically encounter in their first year of college to a more abstract outlook. It lays a foundation for more theoretical courses such as topology, analysis and abstract algebra. Although it may be more meaningful to the student who has had some calculus, there is really no prerequisite other than a measure of mathematical maturity.

Proximal Algorithms

Springer Science & Business Media

This book offers an introduction to the research in several recently discovered and actively developing mathematical and mathematical physics areas. It focuses on: 1) Feynman integrals and modular functions, 2) hyperbolic and Lorentzian

Kac-Moody algebras, related automorphic forms and applications to quantum gravity, 3) superconformal indices and elliptic hypergeometric integrals, related instanton partition functions, 4) moonshine, its arithmetic aspects, Jacobi forms, elliptic genus, and string theory, and 5) theory and applications of the elliptic Painleve equation, and aspects of Painleve equations in quantum field theories. All the topics covered are related to various partition functions emerging in different supersymmetric and ordinary quantum field theories in curved space-times of different ($d=2,3,\dots,6$) dimensions. Presenting multidisciplinary methods (localization, Borcherds products, theory of special functions, Cremona maps, etc) for treating a range of

partition functions, the book is intended for graduate students and young postdocs interested in the interaction between quantum field theory and mathematics related to automorphic forms, representation theory, number theory and geometry, and mirror symmetry.

Proofs from THE BOOK
Columbia University Press
This book addresses new concepts, methods, algorithms, modeling, and applications of green supply chain, inventory control problems, assignment problems, transportation problem, linear problems and new information related to optimization for the topic from the theoretical and applied viewpoints of neutrosophic sets and logic. The book is an innovatory of new tools and procedures, such as: Neutrosophic Statistical

Tests and Dependent State Samplings, Neutrosophic Probabilistic Expert Systems, Neutrosophic HyperSoft Set, Quadripartitioned Neutrosophic Cross-Entropy, Octagonal and Spherical and Cubic Neutrosophic Numbers used in machine learning. It highlights the process of neutrosophication {which means to split the universe into three parts, two opposite ones (Truth and Falsehood), and an Indeterminate or neutral one (I) in between them}. It explains Three-Ways Decision, how the universe set is split into three different distinct areas, in regard to the decision process, representing: Acceptance, Noncommitment, and Rejection, respectively. The Three-Way Decision is used in the Neutrosophic Linguistic Rough Set, which has never been done before.

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