

## Psixik Rivojlanish Va Ta Lim Genderi Org

The purpose of this book is to present systematically all known mathematical results on Gibbs measures on Cayley trees (Bethe lattices). The Gibbs measure is a probability measure, which has been an important object in many problems of probability theory and statistical mechanics. It is the measure associated with the Hamiltonian of a physical system (a model) and generalizes the notion of a canonical ensemble. More importantly, when the Hamiltonian can be written as a sum of parts, the Gibbs measure has the Markov property (a certain kind of statistical independence), thus leading to its widespread appearance in many problems outside of physics such as biology, Hopfield networks, Markov networks, and Markov logic networks. Moreover, the Gibbs measure is the unique measure that maximizes the entropy for a given expected energy. The method used for the description of Gibbs measures on Cayley trees is the method of Markov random field theory and recurrent equations of this theory, but the modern theory of Gibbs measures on trees uses new tools such as group theory, information flows on trees, node-weighted random walks, contour methods on trees, and nonlinear analysis. This book discusses all the mentioned methods, which were developed recently. Contents: Group Representation of the Cayley Treelsing Model on the Cayley Treelsing Type Models with Competing Interactions Information Flow on Trees The Potts Model The Solid-on-Solid Model Models with Hard Constraints Potts Model with Countable Set of Spin Values Models with Uncountable Set of Spin Values Contour Arguments on Cayley Trees Other Models Readership: Researchers in mathematical physics, statistical physics, probability and measure theory. Keywords: Cayley Tree; Configuration; Hamiltonian; Temperature; Gibbs Measure Key Features: The book is for graduate, post-graduate students and researchers. This is the first book concerning Gibbs measures on Cayley trees It can be used to teach special courses like "Gibbs measures on countable graphs", "Models of statistical physics", "Phase transitions and thermodynamics" and many related courses Reviews: "The extensive commentaries and references which follow are as valuable as the mathematical text. At the end of each chapter, the author gives extensive commentaries and a list of references to the literature, including very recent ones. The reader may find useful and insightful open problems concluding the end of each chapter. The book is written from the mathematician's point of view and its addressees are professionals in statistical mechanics and mathematical physics." Zentralblatt MATH

The Nazi regime and local collaborators killed 800,000 Belorussian Jews, many of them parents or relatives of young Jews who survived the war. Thousands of young girls and boys were thus orphaned and struggled for survival on their own. This book is the first systematic account of young Soviet Jews' lives under conditions of Nazi occupation and genocide. These orphans' experiences and memories are rooted in the 1930s, when Soviet policies promoted and sometimes actually created interethnic solidarity and social equality. This experience of interethnic solidarity provided a powerful framework for the ways in which young Jews survived and, several decades after the war, represented their experience of violence and displacement. Through oral histories with several survivors, video testimonies, and memoirs, Anika Walke reveals the crucial roles of age and gender in the ways young Jews survived and remembered the Nazi genocide, and shows how shared experiences of trauma facilitated community building within and beyond national groups. *Pioneers and Partisans* uncovers the repeated transformations of identity that Soviet Jewish children and adolescents experienced, from Soviet citizens in the prewar years, to a target of genocidal violence during the war, to a barely accepted national minority in the postwar Soviet Union.

How do schools change? What do we know about the change process? Does the individual school have the capacity to change - and under what conditions? This book, based on research carried out at the Oslo-based international school improvement programme, IMTEC, poses, debates and answers all these questions. It promotes the Institutional Development Programme (IDP) - tested for over 15 years in several countries - which is a revolutionary change strategy for schools. Dalin examines thoroughly how it can be adapted in creative ways, with insight, to the particular needs of the school context.

First Published in 2002. Routledge is an imprint of Taylor & Francis, an informa company.

*CONTRIBUTIONS TO THE SOCIOLOGY OF LANGUAGE* brings to students, researchers and practitioners in all of the social and language-related sciences carefully selected book-length publications dealing with sociolinguistic theory, methods, findings and applications. It approaches the study of language in society in its broadest sense, as a truly international and interdisciplinary field in which various approaches, theoretical and empirical, supplement and complement each other. The series invites the attention of linguists, language teachers of all interests, sociologists, political scientists, anthropologists, historians etc. to the development of the sociology of language.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for the Enhanced Pearson eText may not be included, may be incorrect, or may be previously redeemed. Check with the seller before completing your purchase. This package includes the Enhanced Pearson eText with MyEducationLab and the loose-leaf version *The Fourth Edition of Marilyn Friend's Special Education: Contemporary Perspectives for School Professionals* gives the most authentic, current, research-based introductory account on the field of special education to date. Advocating real teachers, real families and students, real classrooms, and real research, this comprehensive resource emphasizes contemporary concepts and evidence-based practices that prepare teachers and other education professionals for their evolving roles in education and the well-being of students with disabilities. Combining current research with practical information, the text offers structure and predictability for novices to the field of special education and for educators working in this challenging age of high standards and accountability. Thoroughly revised and updated and throughout

to provide a multi-dimensional view of the field, with a mix of key concepts and immediately applicable information, the new edition emphasizes: the specific disability areas, the historical background and characteristics of special education students, prevalence data, assessment, service delivery, research-based instructional practices, parent perspectives, issues related to the disability area, curriculum access, inclusive practices, professional collaboration, student diversity, RTI, technological advancements, and now the text is written to reach a broader range of professionals working in the field. Because special education is made up of real children and real professionals, the author helps to put a "face" on the field to enliven and authenticate the information for novices. Each chapter features stories of individuals with disabilities, from the parents of children with disabilities, and from professionals who work in the field. Readers of this truly exceptional resource will come away with the best understanding of the expectations for educators and students, and learn how critical concepts translate into educational practices. The Enhanced Pearson eText features embedded video. Improve mastery and retention with the Enhanced Pearson eText The Enhanced Pearson eText with MyEducationLab provides a rich, interactive learning environment designed to improve student mastery of content. The Enhanced Pearson eText is: Engaging. The new interactive, multimedia learning features were developed by the authors and other subject-matter experts to deepen and enrich the learning experience. Convenient. Enjoy instant online access from your computer or download the Pearson eText App to read on or offline on your iPad® and Android® tablet.\* Affordable. Experience the advantages of the Enhanced Pearson eText along with all the benefits of print for 40% to 50% less than a print bound book. \*The Pearson eText App is available on Google Play and in the App Store. It requires Android OS 3.1-4, a 7" or 10" tablet, or iPad iOS 5.0 or later.

Papers of participants of the I International Multidisciplinary Scientific and Theoretical Conference «Theory and practice of modern science», held on April 23, 2021 in Kraków are presented in the collection of scientific papers.

Science 5 A

This monograph covers one of the divisions of mathematical theory of control which examines moving objects functioning under conflict and uncertainty conditions. To identify this range of problems we use the term "conflict controlled processes", coined in recent years. As the name itself does not imply the type of dynamics (difference, ordinary differential, difference-differential, integral, or partial differential equations) the differential games fall within its realms. The problems of search and tracking moving objects are also referred to the field of conflict controlled process. The contents of the monograph is confined to studying classical pursuit-evasion problems which are central to the theory of conflict controlled processes. These problems underlie the theory and are of considerable interest to researchers up to now. It should be noted that the methods of "Line of Sight", "Parallel Pursuit", "Proportional Navigation", "Modified Pursuit" and others have been long and well known among engineers engaged in design of rocket and space technology. An abstract theory of dynamic game problems, in its turn, is based on the methods originated by R. Isaacs, L. S. Pontryagin, and N. N. Krasovskii, and on the approaches developed around these methods. At the heart of the book is the Method of Resolving Functions which was realized within the class of quasistrategies for pursuers and then applied to the solution of the problems of "hand-to-hand", group, and successive pursuit.

Readers will find this book to be the most comprehensive source on pharmaceutical dosage forms and drug delivery systems. Physical Pharmacy Capsules highlight key concepts with boxes, providing easy reference. Reflecting traditional pharmaceuticals pedagogy, the new edition is organized by dosage form rather than by route of administration

A Pulitzer Prize-winning intelligence reporter presents a narrative account of a mysterious Jordanian agent that describes how he infiltrated both al-Qaeda and the CIA before killing himself and seven CIA operatives in a suicide bombing, an event that revealed sobering agency weaknesses. Reprint.

This book provides valuable insight into the nature and the background of the subject of Psychology. Designed basically as a textbook for general psychology courses of Indian universities, it will also prove useful to those working in the disciplines of sociology, education, social work and social sciences. The subject matter in the text has been presented in such a way that it can be easily grasped by a beginner and appreciated by an advanced reader.

Presents articles on learning disabilities, including diagnosis and testing, treatment options, learning aids, and education alternatives. Includes resource directories.

This edited volume addresses a critical aspect of development in Africa: the intersection between education and governance. Using case studies and experiences from different parts of the continent, this book assesses how the potential for human resources, in terms of education, can be leveraged in the development process to achieve equity, inclusive development and governance outcomes in Africa. This book builds on the "resource curse" to focus on human resources as an alternative paradigm to sustainable development in Africa. At a time when concerns over access to quality education is an important issue among policy makers and international development agents, this timely project calls attention to one of the most critical aspects of development in Africa.

This ground-breaking book is the first to address the learning and teaching issues associated with psychology in Higher Education in the UK and Europe Presents effective, evidence-based practice and advice for both experienced and new lecturers Covers challenging areas of psychology teaching, such as research methods and statistics, supervision of research projects and management of online learning Relevant for European Universities aligning with the Bologna Declaration

The fourth edition of General Linguistics provides a comprehensive and accessible introduction to linguistics. The book considers: - semantics and pragmatics - dialect and style - phonetics and phonology - morphology and syntax, with reference both to traditional and current theories - comparative-historical linguistics and linguistic typology - linguistics' relation to other disciplines - the practical application of linguistics - the 2,500 years of linguistic thought that lies behind what we do and think today

Highly practical and state-of-the-art coverage of the human body's structures and functions This exceptional resource offers a broad review of the structure and function of the human body. Each chapter is dedicated to a particular organ system, providing medical and allied health students and professionals with quick and comprehensive coverage of anatomy and physiology. Features: All concepts are reinforced by detailed overviews at the beginning of each chapter, and summaries at the end In-depth information on cell-biology, genetics, and human evolution provides a conceptual framework for understanding the human body Detailed text complements 271 full-color illustrations to help readers visualize and grasp complex subjects Key sections on how antioxidants and active substances in plants affect the digestive system First year medical students and allied health professionals will benefit from the text's extensive scope and clear presentation. Knowledge of the human body's structures and functions is essential for every level of practice, and this indispensable guide is a definitive encyclopedia on the subject. Studying

or teaching anatomy? We have the educational e-products you need. Students can use WinkingSkull.com to study full-color illustrations using the handy "labels-on, labels-off" function and take timed self-tests. Instructors can use the Thieme Teaching Assistant: Anatomy to download and easily import 2,000+ full-color illustrations to enhance presentations, course materials, and handouts.

Recoge: 1. Why Europe needs to act - 2. Harnessing new modes of learning and teaching to modernise higher education - 3. Challenges and how they can be addressed - 4.

Recommendations - 5. Selective glossary of terminology - 6. Acknowledgements - 7. Members of the group.

This 2nd edition gives every health professional and pharmacist the broad information they need to dispense and counter-prescribe homeopathic methods with confidence. Designed as both a complete source of initial information and an everyday reference, Homeopathic Pharmacy provides detailed information on the procedures, principals, and applications that are essential in the practice of homeopathic medicine. It describes the application of homeopathy for both general situations, such as first aid, dentistry, sports care, and pet care, and for specific situations, such as allergies, infections, and teenagers' problems. Details procedures relevant to pharmacists and other health professionals - including manufacturing, dispensing, and counter-prescribing.

Outlines the theoretical principles of homeopathic prescribing. Describes the application of homeopathy for both general and specific situations. Provides easy-to-use reference tables for 60 common remedies and the symptoms related to their prescription. Critically reviews important research papers and provides a guide to designing research tools. Discusses the legal status of homeopathic remedies. Gives an account of the historical development of homeopathy in Europe and beyond. Contains practical information such as homeopathic pharmacopoeias, methods of preparation of homeopathic medicines, nomenclature for potencies, dosage forms, and interpreting, dispensing, and pricing prescriptions. Covers new developments in pharmacy. Section on research expanded and improved, taking a more evidence-based approach. Fully updated legal section incorporates legal status in the USA, Canada, and Europe.

The OECD Digital Economy Outlook examines and documents the evolutions and emerging opportunities and challenges in the digital economy. It highlights how OECD countries and partner economies are taking advantage of ICTs and the Internet to meet their public policy objectives.

Providing a comprehensive review of reactions of oxidation for different classes of organic compounds and polymers, and biological processes mediated by free radicals, Oxidation and Antioxidants in Organic Chemistry and Biology puts the data and bibliographical information you need into one easy-to-use resource. You will find up-to-date information about mechanisms of action of antioxidants, their reactivity, reactions of intermediates, synergism, and antioxidants with cyclic mechanism action. Supplying useful, quantitative data in tables that make the information easy to find, the authors highlight the peculiarities of mechanisms involved in the oxidation of hydrocarbons, polymers, and different organic compounds. The book provides tabulated values of strengths of C-H bonds of oxygen-containing compounds; of O-H bonds of hydroperoxides, alcohols, and acids; and of attacked antioxidant bonds. The authors collect and discuss over 3000 rate constants of different reactions of peroxy radicals in oxidation and co-oxidation. They describe a new semiempirical theory of reactivity of reactants in elementary oxidative steps and the algorithm of calculation of activation energies, rate constants, and geometrical parameters of the transition states of free radical reactions. After elucidating the chemistry and kinetics of antioxidant action, the book covers oxidative processes that occur in biological systems.

As an essential part of communicative competence, listening is a skill which deserves equal treatment with the other basic skills of speaking, reading, and writing. Second Language Listening combines up-to-date listening theory with case studies of actual pedagogical practice. The authors describe current models of listening theory and exemplify each with a textbook task. They address the role of technology in teaching listening, questioning techniques, and testing. Second Language Listening is designed to be used with both pre-service and in-service teachers who are involved in the teaching of listening or the design of pedagogic materials for listening.

The Language of the Birds is a masterpiece of Eastern Turkish literature (now Uzbek), and was written by one of Central Asia's most prominent poets, Alisher Nava'i, shortly before his death in 1501. The story begins with the birds of the world realizing they are far from their king and so they begin their arduous journey with the assistance of the wise bird Hoopoe as their guide. Hoopoe listens to their complaints and excuses along the way and encourages them to seek true life even though the journey is sometimes painful. This epic poem in prose form contains many anecdotes and stories from the oral history of the Silk Road and Islam. Through this story, people are exhorted to rise above any excuse they might have in their spiritual pilgrimage. Alisher Nava'i (1441-1501) is renowned in Central Asia for his numerous writings and lasting influence in Uzbekistan as well as the contemporary Central Asian republics. In modern Uzbekistan, Nava'i is revered above all other poets and his presence is still found – streets, museums, and even a province and city are named after him. His proverbs are found throughout Central Asia and he is considered the father of the Uzbek language. His words for peace and against oppression are as timely today as they were 5 centuries ago. Nava'i lived in Herat, Afghanistan. His writings, endowments, and his life example have had lasting influence in Central Asia. In The Language of the Birds, we are introduced to what Nava'i thought is important in life. It is a world of love that goes beyond the rational and is ready to endure anything for the beloved. This book is for anyone who values great historical literature, as well as those needing inspiration in his or her own pilgrimage in life.

Provides a guide to ensure exploitation of the course, photocopiable worksheets, one-page-at-a-glance lesson summary with notes including a language analysis and help in setting up activities, tapescripts and answer keys within the teacher's notes for each lesson and suggestions for alternative procedures to cover various teaching situations.

The aim of the series is to present new and important developments in pure and applied mathematics. Well established in the community over two decades, it offers a large library of mathematics including several important classics. The volumes supply thorough and detailed expositions of the methods and ideas essential to the topics in question. In addition, they convey their relationships to other parts of mathematics. The series is addressed to advanced readers wishing to thoroughly study the topic. Editorial Board Lev Birbrair, Universidade Federal do Ceará, Fortaleza, Brasil Victor P. Maslov, Russian Academy of Sciences, Moscow, Russia Walter D. Neumann, Columbia University, New York,

USA Markus J. Pflaum, University of Colorado, Boulder, USA Dierk Schleicher, Jacobs University, Bremen, Germany

Why do people study religion? How have they studied it in the past? How do we study religion today? Is the academic study of religion the same as religious education? These and many other questions are addressed in this engaging introduction to the discipline of religious studies, written by two experienced university teachers. The authors have crafted this book to familiarize novice students with key concepts and terminology in the study of religion. More advanced students will find a varied array of theoretical perspectives and methodological approaches to the field. Topics include: definitions of religion perspectives in the study and teaching of religion how religion began to be studied: traditional perspectives – philosophical and theological how people experience religion: perspectives in the study of religious consciousness and perception – phenomenological and psychological studying religion within communities: Social and cultural perspectives – anthropological, sociological, political and economic judging religion: critical perspectives –feminist approaches, the interaction of popular literature and religion contextual perspectives – historical and comparative. The book encourages students to think critically about the theories and methods presented. Students will find arguments for the strengths and limitations of these approaches, understand connections among religious studies and other intellectual movements, and develop their own ideas of how they might want to go about the study of religion. Summary boxes, a timeline, a glossary and other pedagogic aids help students grasp key concepts, along with a companion website at [www.sastor.com](http://www.sastor.com).

Developing Tests and Questionnaires for a National Assessment of Educational Achievement is the second in the National Assessments of Educational Achievement series. It is designed to help build capacity in carrying out technically adequate assessments of national levels of student achievement. It introduces readers to the activities involved in the development of achievement tests, and includes developing an assessment framework, writing multiple choice and constructed response type items, pretesting, producing test booklets, and handscoring items. A section on questionnaire construction feat.

This book takes the reader on a journey through the world of college mathematics, focusing on some of the most important concepts and results in the theories of polynomials, linear algebra, real analysis, differential equations, coordinate geometry, trigonometry, elementary number theory, combinatorics, and probability. Preliminary material provides an overview of common methods of proof: argument by contradiction, mathematical induction, pigeonhole principle, ordered sets, and invariants. Each chapter systematically presents a single subject within which problems are clustered in each section according to the specific topic. The exposition is driven by nearly 1300 problems and examples chosen from numerous sources from around the world; many original contributions come from the authors. The source, author, and historical background are cited whenever possible. Complete solutions to all problems are given at the end of the book. This second edition includes new sections on quad ratic polynomials, curves in the plane, quadratic fields, combinatorics of numbers, and graph theory, and added problems or theoretical expansion of sections on polynomials, matrices, abstract algebra, limits of sequences and functions, derivatives and their applications, Stokes' theorem, analytical geometry, combinatorial geometry, and counting strategies. Using the W.L. Putnam Mathematical Competition for undergraduates as an inspiring symbol to build an appropriate math background for graduate studies in pure or applied mathematics, the reader is eased into transitioning from problem-solving at the high school level to the university and beyond, that is, to mathematical research. This work may be used as a study guide for the Putnam exam, as a text for many different problem-solving courses, and as a source of problems for standard courses in undergraduate mathematics. Putnam and Beyond is organized for independent study by undergraduate and gradu ate students, as well as teachers and researchers in the physical sciences who wish to expand their mathematical horizons. Teaching isn't merely transmitting knowledge to students; it's also about teaching students to approach learning in engaging and unexpected ways. In Sparking Student Creativity: Practical Ways to Promote Innovative Thinking and Problem Solving, author and researcher Patti Drapeau explores and explains research related to creativity and its relevance in today's standards-based, critical thinking–focused classroom. The book vividly and comprehensively shows \* How creative lessons can meet and extend the expectations of curriculum standards such as the Common Core State Standards, \* How to incorporate creativity and assessment into daily classroom practices, \* How to develop a "Creativity Road Map" to guide instruction, and \* How to design lessons that prompt and support creative thinking. In addition, the book includes 40 "grab and go" ideas that infuse lesson plans with a spirit of exploration. No matter what grade levels or content areas you teach, Sparking Student Creativity will help you to produce creative lesson components that directly address critical content, target specific standards, and require thoughtful products from students as they grow into independent learners and become successful students and adults.

Legendary UCLA coach John Wooden once said, "People say Morgan Wootten is the best high school basketball coach in the country. I disagree. I know of no finer coach at any level—high school, college, or pro." Morgan Wootten has retired from coaching, but his knowledge of the game remains unsurpassed and keen as ever. Coaching Basketball Successfully contains a wealth of Wootten's timeless wisdom. And, in this third edition, Wootten adds even more value—the coaching experiences, methods, and tactics of his son Joe, a successful high school coach himself. Loaded with insights, instruction, drills, and Xs and Os, Coaching Basketball Successfully is the best single resource on making the most of your program, team, and players each season.

The Handbook of Research Methods in Experimental Psychology presents a comprehensive and contemporary treatment of research methodologies used in experimental psychology. Places experimental psychology in historical context, investigates the changing nature of research methodology, experimental design, and analytic procedures, and features research in selected content areas. Provides an excellent source of potential research ideas for advanced undergraduate and beginning graduate students. Illustrates the range of research methodologies used in experimental psychology. Contains contributions written by leading researchers. Now available in full text online via xreferplus, the award-winning reference library on the web from xrefer. For more information, visit [www.xreferplus.com](http://www.xreferplus.com)

This book offers pathologists, toxicologists, other medical professionals, and students an introduction to the discipline and techniques of neuropathology – including chemical and environmental, biological, medical, and regulatory details important for performing an analysis of toxicant-induced neurodiseases. In addition to a section on fundamentals, the book provides detailed coverage of current practices (bioassays, molecular analysis, and nervous system pathology) and practical aspects (data interpretation, regulatory considerations, and tips for preparing reports).

General Psychology Sterling Publishers Pvt. Ltd

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