

# Essentials Of Game Theory A Concise Multidisciplinary Introduction Yoav Shoham

Essentials of Game Theory *A Concise Introduction to Mechanics of Rigid Bodies* Strategies and Tactics for Multidisciplinary Writing Infective Endocarditis *Primary Care of the Older Adult* *Biomedical Ethics Liver Diseases* Nutrition and Behavior Family Tourism Bone and Soft Tissue Tumors *Climate Change A Concise Introduction to Decentralized POMDPs* Sarcoma *A Concise Introduction to Models and Methods for Automated Planning* *Mosby's Pocket Guide to Fetal Monitoring* *Multidisciplinary Teaching Atlas of the Pancreas* Gynecologic Cancers Climate Change and Displacement *Conan Meets the Academy* Geriatric Assessment Conducting Needs Assessments *Microfluidics: Modeling, Mechanics and Mathematics* Oncologic Imaging Specialist Training in Oncology E-Book The Environmental Humanities Melanoma Applied Interdisciplinary Theory in Health Informatics Spina Bifida Perspectives and Strategies for Promoting Safe Transportation Among Older Adults *The Net and the Nation State* Learn Like a Polymath Systems Design and Engineering Multidisciplinary Medico-Legal Death Investigation The Art and Science of Expert Witness Testimony Principles of Modeling and Simulation Postural Tachycardia Syndrome *Fast Facts: Multiple Sclerosis* Astrobiology *Microbial Glycobiology* *Human Rights*

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*Fast Facts: Multiple Sclerosis* Sep 26 2019 Since the last edition of this book, 'no evidence of disease activity' (NEDA) has been proposed as a new treatment target, early data on the first pharmacological treatments for progressive MS have emerged, and the first remyelination trial has shown positive effects on nerve repair. It is with this sense of optimism that the authors of 'Fast Facts: Multiple Sclerosis' have detailed the latest developments for use in clinical practice by all members of the multidisciplinary team, including: • a concise overview of investigations and modern diagnostic criteria • a holistic approach to all signs and symptoms, and proactive relapse management • the latest disease-modifying drugs, including when to treat, choice of drug and risk versus benefit. With case histories that will help to guide treatment decisions, discussion of the special considerations for MS during pregnancy, and in children and the elderly, and a detailed outline of emerging therapies, this book will benefit all healthcare professionals involved in the care of patients with this complex disease.

Geriatric Assessment Mar 13 2021 Some decades ago, comprehensive geriatric assessment was referred to as the "new technology of geriatrics", as research indicated many benefits of building models of care on assessment systems. Since those times, assessment-care technologies have proliferated, and in many countries have become reference standards. Work, however, continues to extend and expand geriatric assessment programs, as represented in the contents of this book.

*Human Rights* Jun 23 2019 Human Rights is an introductory text that is both innovative and challenging. Its unique interdisciplinary approach invites students to think imaginatively and rigorously about one of the most important and influential political concepts of our time. Tracing the history of the concept, the book shows that there are fundamental tensions between legal, philosophical and social-scientific approaches to human rights. This analysis throws light on some of the most controversial issues in the field: Is the idea of the universality of human rights consistent with respect for cultural difference? Are there collective human rights? What are the underlying causes of human-rights violations? And why do some countries have much worse human-rights records than others? The third edition has been substantially revised and updated to take account of recent developments, including the 'Arab Spring', the civil war in Syria, the refugee crisis, ISIS and international terrorism, and climate change politics. Widely admired and assigned for its clarity and comprehensiveness, this book remains a 'go-to' text for students in the social sciences, as well as students of human-rights law who want an introduction to the non-legal aspects of their subject.

Multidisciplinary Medico-Legal Death Investigation Jan 29 2020 Multidisciplinary Medico-legal Death Investigation: Role of Consultants is the only book in the field that focuses on the role consultants have in medical examiner/coroner offices. The book provides a multidisciplinary view on the topic by including specialized fields, such as anesthesiology, surgery, radiology, including CT scan, pediatrics, cardiology-electrophysiology, cardiac pathology, forensic anthropology and odontology, firearms examination, firearms, eye pathology and psychiatry/psychology. Coverage also includes chapters on specialized topics, including high profile cases, the media, business continuity planning, envenomations, the importance of quality assurance and peer review, and quality assurance in a medico-legal death investigation office. This one-of-a-kind resource is ideal for those in the medico-legal death investigation field and professionals in the criminal and civil justice system. Covers many fields, including anesthesiology, surgery, and radiology, including CT scan, pediatrics, cardiology-electrophysiology, cardiac pathology, forensic anthropology and odontology, firearms examination, and more Includes contributions by world-renowned specialists Presents comprehensive case studies and examples of consultation reports

The Environmental Humanities Oct 08 2020 A concise overview of this multidisciplinary field, presenting key concepts, central issues, and current research, along with concrete examples and case studies. The emergence of the environmental humanities as an academic discipline early in the twenty-first century reflects the growing conviction that environmental problems cannot be solved by science and technology alone. This book offers a concise overview of this new multidisciplinary field, presenting concepts, issues, current research, concrete examples, and case studies. Robert Emmett and David Nye show how humanists, by offering constructive knowledge as well as negative critique, can improve our understanding of such environmental problems as global warming, species extinction, and over-consumption of the earth's resources. They trace the genealogy of environmental humanities from European, Australian, and American initiatives, also showing its cross-pollination by postcolonial and feminist theories. Emmett and Nye consider a concept of place not synonymous with localism, the risks of ecotourism, and the cultivation of wild areas. They discuss the decoupling of energy use and progress, and point to OECD countries for examples of sustainable development. They explain the potential for science to do both good and harm, examine dark visions of planetary collapse, and describe more positive possibilities—alternative practices, including localization and degrowth. Finally, they examine the theoretical impact of new materialism, feminism, postcolonial criticism, animal studies, and queer ecology on the environmental humanities.

**Sarcoma Oct 20 2021** The purpose of this book is to define and demonstrate how a multidisciplinary team can be organized, integrated, and utilized in the care of sarcoma patients. Real world experiences related by multiple sarcoma specialists working as members of a multidisciplinary team along with specific case examples highlighting sarcomas of bone and soft tissue in children and adults are presented in a framework geared toward practicing oncologists and surgeons in order to foster the creation and development of care teams for sarcoma patients. It is explained how a truly multidisciplinary approach, with "one stop shopping," offers better standardization and delivery of care, streamlines patient education, facilitates discussions and decision making, and provides comprehensive support throughout the treatment process. All aspects of treatment are covered, from first-line treatments for different tumor types through to salvage therapy and the development of novel investigational agents. This book will be of benefit to all members of the medical community who have a role to play in the care of these complex patients, including therapists, nurses, mid-level practitioners, primary care doctors, and subspecialists.

**Essentials of Game Theory Nov 01 2022** Game theory is the mathematical study of interaction among independent, self-interested agents. The audience for game theory has grown dramatically in recent years, and now spans disciplines as diverse as political science, biology, psychology, economics, linguistics, sociology, and computer science, among others. What has been missing is a relatively short introduction to the field covering the common basis that anyone with a professional interest in game theory is likely to require. Such a text would minimize notation, ruthlessly focus on essentials, and yet not sacrifice rigor. This Synthesis Lecture aims to fill this gap by providing a concise and accessible introduction to the field. It covers the main classes of games, their representations, and the main concepts used to analyze them. Table of Contents: Games in Normal Form / Analyzing Games: From Optimality to Equilibrium / Further Solution Concepts for Normal-Form Games / Games with Sequential Actions: The Perfect-information Extensive Form / Generalizing the Extensive Form: Imperfect-Information Games / Repeated and Stochastic Games / Uncertainty about Payoffs: Bayesian Games / Coalitional Game Theory / History and References / Index

**Climate Change and Displacement May 15 2021** Environmental migration is not new. Nevertheless, the events and processes accompanying global climate change threaten to increase human movement both within states and across international borders. The Inter-governmental Panel on Climate Change has predicted an increased frequency and severity of climate events such as storms, cyclones and hurricanes, as well as longer-term sea level rise and desertification, which will impact upon people's ability to survive in certain parts of the world. This book brings together a variety of disciplinary perspectives on the phenomenon of climate-induced displacement. With chapters by leading scholars in their field, it collects in one place a rigorous, holistic analysis of the phenomenon, which can better inform academic understanding and policy development alike. Governments have not been prepared to take a leading role in developing responses to the issue, in large part due to the absence of strong theoretical frameworks from which sound policy can be constructed. The specialist expertise of the authors in this book means that each chapter identifies key issues that need to be considered in shaping domestic, regional and international responses, including the complex causes of movement, the conceptualisation of migration responses to climate change, the terminology that should be used to describe those who move, and attitudes to migration that may affect decisions to stay or leave. The book will help to facilitate the creation of principled, research-based responses, and establish climate-induced displacement as an important aspect of both the climate change and global migration debates.

**The Art and Science of Expert Witness Testimony Dec 30 2019** Featuring in-depth interviews of attorneys, judges, and seasoned forensic experts from multiple disciplines including psychology, medicine, economics, history, and neuropsychology, *The Art and Science of Expert Witness Testimony* highlights and offers bridges for the areas where the needs and expectations of the courtroom collide with experts' communication habits developed over years of academic and professional training. Rather than seeing testimony as a one-way download from expert to jurors, *The Art and Science of Expert Witness Testimony* focuses on the direct, dynamic, unique communication relationship that develops as each juror's lived experience interacts with the words of experts on the stand. This book expands the academic tradition of "methods-centered credibility" to also include "person-centered credibility," where warmth, confidence, and relentless attention to detail build trust with jurors. Seasoned forensic experts share what they actually say on the stand: their best strategies and techniques for disrupting traditional academic communication and creating access to science and professional opinions with vivid, clear language and strong visuals. The difficult but necessary emotional work of the courtroom is addressed with specific techniques to regulate emotions in order to maintain person-centered credibility and keep the needs of jurors front and center through cross-examination. This innovative compilation of research is essential reading for professionals and practitioners, such as physicians, engineers, accountants, and scientists, that may find themselves experts in a courtroom. *The Art and Science of Expert Witness Testimony* provides a unique experience for readers, akin to being personally mentored by over eighty-five attorneys, judges, and seasoned experts as they share their observations, insights, and strategies—not to "win" as a defense, prosecution, or plaintiff expert, but to be productive in helping jurors and other triers of fact do their difficult intellectual job in deciding a case.

**Biomedical Ethics May 27 2022** An anthology of succinct and accessible articles on the most important ethical issues confronting health care and the biological sciences today

**Perspectives and Strategies for Promoting Safe Transportation Among Older Adults Jun 03 2020** Promoting Safe Transportation among Older Adults: Perspectives and Strategies provides a concise, comprehensive, and up-to-date resource on safe mobility for an aging population. The book offers an interdisciplinary perspective for understanding and influencing the behavior of older adults with regard to their safe transportation. It is organized around the professions and disciplines that have a stake in the safe transportation of older adults and the role they play at each stage of their mobility needs. The book also addresses the various strategies that have been used to help keep older adults safe and mobile. Readers will find great insights on key issues related to aging and mobility, giving them an overarching framework for how to maintain safe mobility into older adulthood. The book enables readers to understand the perspectives of the critical groups of people involved in keeping older people safe and explores existing strategies by which an aging individual can maintain safe mobility. Utilizes a multidisciplinary, evidence-based approach for examining the complexities of transportation for older adults Offers an integrated, overarching narrative for understanding the key issues of safety and mobility in our aging society Written by leading transportation and health scholars Offers insights into the perspectives of all the stakeholders, such as hands-on transportation and health practitioners, students of varying levels, researchers and policymakers

**Primary Care of the Older Adult Jun 27 2022** Multidisciplinary in its presentation, *Primary Care for the Older Adult* is written for professionals and examines the common conditions and problems faced by older people. The book covers clinical, social, ethical and legal aspects of such care.

**Conducting Needs Assessments Feb 09 2021** This book demystifies the process of planning a community intervention, using clear and simple language to aid students understanding .

**Applied Interdisciplinary Theory in Health Informatics Aug 06 2020** The American Medical Informatics Association (AMIA) defines the term biomedical informatics (BMI) as: The interdisciplinary field that studies and pursues the effective uses of biomedical data, information, and knowledge for scientific inquiry, problem solving and decision making, motivated by efforts to improve human health. This book: *Applied Interdisciplinary Theory in Health Informatics: A Knowledge Base for Practitioners*, explores the theories that have been applied in health informatics and the differences they have made. The editors, all proponents of evidence-based health informatics, came together within the European Federation of Medical Informatics (EFMI) Working Group on Health IT Evaluation and the International Medical Informatics Association (IMIA) Working Group on Technology Assessment and Quality Development. The purpose of the book, which has a foreword by

Charles Friedman, is to move forward the agenda of evidence-based health informatics by emphasizing theory-informed work aimed at enriching the understanding of this uniquely complex field. The book takes the AMIA definition as particularly helpful in its articulation of the three foundational domains of health informatics: health science, information science, and social science and their various overlaps, and this model has been used to structure the content of the book around the major subject areas. The book discusses some of the most important and commonly used theories relevant to health informatics, and constitutes a first iteration of a consolidated knowledge base that will advance the science of the field.

***A Concise Introduction to Mechanics of Rigid Bodies*** Sep 30 2022 This updated second edition broadens the explanation of rotational kinematics and dynamics — the most important aspect of rigid body motion in three-dimensional space and a topic of much greater complexity than linear motion. It expands treatment of vector and matrix, and includes quaternion operations to describe and analyze rigid body motion which are found in robot control, trajectory planning, 3D vision system calibration, and hand-eye coordination of robots in assembly work, etc. It features updated treatments of concepts in all chapters and case studies. The textbook retains its comprehensiveness in coverage and compactness in size, which make it easily accessible to the readers from multidisciplinary areas who want to grasp the key concepts of rigid body mechanics which are usually scattered in multiple volumes of traditional textbooks. Theoretical concepts are explained through examples taken from across engineering disciplines and links to applications and more advanced courses (e.g. industrial robotics) are provided. Ideal for students and practitioners, this book provides readers with a clear path to understanding rigid body mechanics and its significance in numerous sub-fields of mechanical engineering and related areas.

**Specialist Training in Oncology E-Book** Nov 08 2020 This textbook of oncology is aimed at specialist registrars in the early phase of their training. The basic concepts of cancer practice is touched upon in undergraduate and junior postgraduate years, but new trainees frequently seek additional resources to boost their knowledge in the field of Oncology. This title offers a concise account of the multidisciplinary management of common cancers and cancer-related problems appropriate to doctors at the start of their careers in this specialty. The content of the book is based on latest available evidence and reflects the training guidelines. Readable and concise style, aimed at the beginner in this specialty. Well illustrated in colour with graphics, clinical photographs and radiographs. Section on research methodology. Approachable design in the 'Specialist Training in...' series style.

***Liver Diseases*** Apr 25 2022 This book provides an in-depth coverage not only of liver pathology but also of diagnosis of the numerous types of liver disease, placing specific emphasis on current treatments of liver pathology including the most up-to-date information on liver transplantation. The first part of provides an in-depth account of the liver pathology in different conditions such as Hepatitis, liver ischaemia reperfusion injury, Lyme disease, cirrhotic cardiomyopathy and hepatocellular carcinoma. The second part provides a comprehensive overview of diagnostic methods. Of particular interest are chapters on the latest techniques in Patient-specific 3D printing and transient elastography (FibroScan). The final part focuses on treatment and provides a step-by step guide to the therapeutic management of liver diseases starting with pharmacological treatment and techniques including surgery and liver transplantation. This is an invaluable book for clinicians, practitioners including academics, scientists/researchers and postgraduates to provide the newest knowledge in the field of liver pathogenesis. It is written by a multidisciplinary team of experts in hepatology, gastroenterology, and surgery especially from liver transplantation.

**Multidisciplinary Teaching Atlas of the Pancreas** Jul 17 2021 This innovative teaching atlas provides the reader with a practical approach to the diagnosis and management of the common and uncommon diseases that may involve the pancreatic gland. Its perspective is multidisciplinary, the authors being radiologists, surgeons, pathologists, and gastroenterologists who have worked together for the past 25 years. Very concise descriptions of clinical presentation, pathology, imaging, and management are provided for a great variety of pathologic conditions, and a wealth of illustrative material displays intraoperative appearances, gross specimens, histology, and radiological findings. Pancreatic surgery, including transplantation, is also discussed, and the final chapter presents a gallery of challenging and diverse cases. Specialists and residents in a range of specialties will find this atlas to be an invaluable aid, and it will also serve as an excellent reference for medical students.

**Spina Bifida** Jul 05 2020 The aim of this book to promote a multidisciplinary approach to Spina Bifida, providing the three main specialists categories involved – neurosurgeon, orthopedic surgeons, and urologists – with a concise reference that explains the main clinical problems to be faced in everyday clinical practice. The book also provides the busy specialist with an updated overview of surgical approaches.

**The Net and the Nation State** May 03 2020 This collection investigates the sharpening conflict between the nation state and the internet through a multidisciplinary lens. It challenges the idea of an inherently global internet by examining its increasing territorial fragmentation and, conversely, the notion that for states online law and order is business as usual. Cyberborders based on national law are not just erected around China's online community. Cultural, political and economic forces, as reflected in national or regional norms, have also incentivised virtual borders in the West. The nation state is asserting itself. Yet, there are also signs of the receding role of the state in favour of corporations wielding influence through de-facto control over content and technology. This volume contributes to the online governance debate by joining ideas from law, politics and human geography to explore internet jurisdiction and its overlap with topics such as freedom of expression, free trade, democracy, identity and cartographic maps.

**Systems Design and Engineering** Mar 01 2020 As its name implies, the aim of **Systems Design and Engineering: Facilitating Multidisciplinary Development Projects** is to help systems engineers develop the skills and thought processes needed to successfully develop and implement engineered systems. Such expertise typically does not come through study but from action, hard work, and cooperation. To that end, the authors have chosen a "hands-on" approach for presenting material rather than concentrating on theory, as so often is the case in a classroom setting. This attractive and accessible text is a mix of theory and practical approach, illustrated with examples that have enough richness and variability to hold your attention. Models are presented for controlling the design, change, and engineering processes. Various aspects of systems engineering and methods providing the big picture at system level are discussed. In some ways, you can think of the book as a compact "starter's kit" for systems engineers. Although the authors are recognized experts in academic settings, they attribute much of their success in systems engineering to their own hands-on experiences and want to show you how to achieve that same level of expertise. Simply reading this book or any other book will not suffice for the learning process to become a systems engineer - no book will do that. However, by following the principles laid out in this book, you can develop the necessary skills and expertise to help you start an interesting, challenging, and rewarding career as a systems engineer.

**Bone and Soft Tissue Tumors** Jan 23 2022 This is a comprehensive, lavishly illustrated review of orthopaedic oncology that is multi-disciplinary, integrative and highly practical. Introductory chapters cover overviews of the basics of bone and soft tissue tumors – the pathology, radiology and surgical and oncologic management. These are followed by chapters covering all tumor types organized according to the 2013 WHO classification of bone and soft tissue tumors. Each class of tumor is dealt with in detail, with case presentations illustrating how they would be diagnosed and managed in a clinical setting. The range of variation of each tumor type is indicated with appropriate radiological and pathological images. Detailed tables and flow charts provide quick access to vital diagnosis and staging information for each tumor type. This book provides an expert, case-based approach to orthopaedic oncology and patient care for trainees and practising orthopaedic surgeons, pathologists and radiologists. A practical and comprehensive review of orthopaedic oncology Covers all tumor types and their range of variation Organized according to the 2013 WHO classification of bone and soft tissue tumours Tables and flow charts provide diagnosis and staging information for each tumor type

**Family Tourism Feb 21 2022** This cutting-edge international book brings together leading experts' latest research in the field of family tourism by adding to its underdeveloped knowledge base. *Family Tourism: Multidisciplinary Perspectives* underlines the infancy of academic family tourism research that belies its market importance and directs towards future implications and theoretical debates about the place of families within tourism.

**Gynecologic Cancers Jun 15 2021** *Gynecologic Cancers* summarizes issues related to the treatment of gynecologic cancer including descriptions of optimal multidisciplinary care utilizing all available modalities as well as related issues such as screening and prevention, management for special populations, psychological support and emerging directions in future treatment.

**Microbial Glycobiology Jul 25 2019** This book presents in an easy-to-read format a summary of the important central aspects of microbial glycobiology, i.e. the study of carbohydrates as related to the biology of microorganisms. Microbial glycobiology represents a multidisciplinary and emerging area with implications for a range of basic and applied research fields, as well as having industrial, medical and biotechnological implications. Individual chapters provided by leading international scientists in the field yield insightful, concise and stimulating reviews Provides researchers with an overview and synthesis of the latest research Each chapter begins with a brief 200 word Summary/Abstract detailing the topic and focus of the chapter, as well as the concepts to be addressed Allows researchers to see at a glance what each chapter will cover Each chapter includes a Research Focus Box Identifies important problems that still need to be solved and areas that require further investigation

**Oncologic Imaging Dec 10 2020** Consult with Dr. Paul M. Silverman and more than 100 other experts from MD Anderson Cancer Center provide you with today's most dependable answers on every aspect of the diagnosis, treatment, and management of the cancer patient. Recognize the characteristic presentation of each cancer via current imaging modalities and understand the clinical implications of your findings. Effectively use traditional imaging modalities such as Multidetector CT (MDCT), PET/CT, and MR in conjunction with the latest advances in molecular oncology and targeted therapies. Find information quickly and easily thanks to a consistent, highly templated format complete with "Key Point" summaries, algorithms, drawings, and full-color staging diagrams.

**Microfluidics: Modeling, Mechanics and Mathematics Jan 11 2021** This practical, lab-based approach to nano- and microfluidics provides readers with a wealth of practical techniques, protocols, and experiments ready to be put into practice in both research and industrial settings. The practical approach is ideally suited to researchers and R&D staff in industry; additionally the interdisciplinary approach to the science of nano- and microfluidics enables readers from a range of different academic disciplines to broaden their understanding. Dr Rapp fully engages with the multidisciplinary nature of the subject. Alongside traditional fluid/transport topics, there is a wealth of coverage of materials and manufacturing techniques, chemical modification/surface functionalization, biochemical analysis, and the biosensors involved. As well as providing a clear and concise overview to get started into the multidisciplinary field of microfluidics and practical guidance on techniques, pitfalls and troubleshooting, this book supplies: A set of hands-on experiments and protocols that will help setting up lab experiments but which will also allow a quick start into practical work. A collection of microfluidic structures, with 3D-CAD and image data that can be used directly (files provided on a companion website). A practical guide to the successful design and implementation of nano- and microfluidic processes (e.g. biosensing) and equipment (e.g., biosensors, such as diabetes blood glucose sensors). Provides techniques, experiments, and protocols ready to be put to use in the lab, in an academic, or industry setting. A collection of 3D-CAD and image files is provided on a companion website.

**Principles of Modeling and Simulation Nov 28 2019** Explores wide-ranging applications of modeling and simulation techniques that allow readers to conduct research and ask "Whatif??" *Principles of Modeling and Simulation: A Multidisciplinary Approach* is the first book to provide an introduction to modeling and simulation techniques across diverse areas of study. Numerous researchers from the fields of social science, engineering, computer science, and business have collaborated on this work to explore the multifaceted uses of computational modeling while illustrating their applications in common spreadsheets. The book is organized into three succinct parts: *Principles of Modeling and Simulation* provides a brief history of modeling and simulation, outlines its many functions, and explores the advantages and disadvantages of using models in problem solving. Two major reasons to employ modeling and simulation are illustrated through the study of a specific problem in conjunction with the use of related applications, thus gaining insight into complex concepts. *Theoretical Underpinnings* examines various modeling techniques and introduces readers to two significant simulation concepts: discrete event simulation and simulation of continuous systems. This section details the two primary methods in which humans interface with simulations, and it also distinguishes the meaning, importance, and significance of verification and validation. *Practical Domains* delves into specific topics related to transportation, business, medicine, social science, and enterprise decision support. The challenges of modeling and simulation are discussed, along with advanced applied principles of modeling and simulation such as representation techniques, integration into the application infrastructure, and emerging technologies. With its accessible style and wealth of real-world examples, *Principles of Modeling and Simulation: A Multidisciplinary Approach* is a valuable book for modeling and simulation courses at the upper-undergraduate and graduate levels. It is also an indispensable reference for researchers and practitioners working in statistics, mathematics, engineering, computer science, economics, and the social sciences who would like to further develop their understanding and knowledge of the field.

**A Concise Introduction to Decentralized POMDPs Nov 20 2021** This book introduces multiagent planning under uncertainty as formalized by decentralized partially observable Markov decision processes (Dec-POMDPs). The intended audience is researchers and graduate students working in the fields of artificial intelligence related to sequential decision making: reinforcement learning, decision-theoretic planning for single agents, classical multiagent planning, decentralized control, and operations research.

**Learn Like a Polymath Apr 01 2020** Polymathy is the modern currency. Generate unique solutions and perspectives that only a dedicated self-learner can. A jack of all trades is not actually a bad thing. It's the best way to future-proof yourself and make yourself irreplaceable in any social or professional setting. It's time to think like a polymath. Learn to absorb information like a sponge and foster connections that translate to real-life problem solving. *Think Like a Polymath* provides a clear path forward to becoming the jack of all trades that thrives in any situation. There are many myths about polymaths, and they are all dispelled and more in this book. Make sure you are spending your efforts in the best way, and that you are truly headed towards the goal you want. Unlock the "secrets" of famous polymaths that you too can utilize. Peter Hollins has studied psychology and peak human performance for over a dozen years and is a bestselling author. He has worked with a multitude of individuals to unlock their potential and path towards success. His writing draws on his academic, coaching, and research experience. Become a bonafide "Renaissance Person" and reap the rewards in your career. • Learn about cross pollination and how to use it to skyrocket your comprehension. • Understand the surprising traits of most polymaths, famous or not. • What analogy thinking is and why it will unlock your thinking. • The elusive concept of learning transfer and how most people approach it wrong. • The most efficient and effective plan to gain polymathy.

**Mosby's Pocket Guide to Fetal Monitoring Aug 18 2021** Rev. ed. of: *Mosby's pocket guide to fetal monitoring* / Susan Martin Tucker, Lisa A. Miller, David A. Miller.

**Nutrition and Behavior Mar 25 2022** This study examines areas where the fields of nutrition and psychology interface, looking at the effects of nutrition on behavior, obesity and eating disorders, through an examination of the nutritional effects on neurotransmitters, the central nervous system and mental performance.

**Astrobiology Aug 25 2019** This book provides concise and cutting-edge reviews in astrobiology, a young and still emerging multidisciplinary field of science that addresses the fundamental questions of how life originated and diversified on Earth, whether life exists beyond Earth, and what is the future for life on Earth. Readers will find coverage of the latest understanding of a wide range of fascinating topics, including, for example, solar system formation, the origins of life, the history of Earth as revealed by geology, the evolution of intelligence on Earth, the implications of genome data, insights from extremophile research, and the possible existence of life on other planets within and beyond the solar system. Each chapter contains a brief summary of the current status of the topic under discussion, sufficient references to enable more detailed study, and descriptions of recent findings and forthcoming missions or anticipated research. Written by leading experts in astronomy, planetary science, geoscience, chemistry, biology, and physics, this insightful and thought-provoking book will appeal to all students and scientists who are interested in life and space.

**Melanoma Sep 06 2020** This text serves as a very useful clinical guide and realistic approach to the clinical management of melanoma. Primary care physicians, specialists from varying areas of medical practice and numerous other healthcare providers will find this text to be quite useful as a standard daily reference and use in the office setting. It provides a clear and concise source of information in order to make real-life, evidence-based decisions for all aspects of management for cutaneous melanoma. This book also provides the latest breakthroughs in melanoma research, ranging from recent discoveries in genomics and epigenetics, to newly identified genes that have been selectively targeted for the development of a personalized approach to treatment. All chapters are written by specialists and true experts within their respective fields, incorporating the latest scientific, clinical and evidence-based medicine for melanoma (and non-melanoma skin cancers). This up-to-date information can be easily applied and translated to the clinical setting for the melanoma patient.

**Climate Change Dec 22 2021** Updated textbook on climate change for courses in meteorology, oceanography, environmental science, earth science and geography.

**Infective Endocarditis Jul 29 2022** *Infective Endocarditis: A Multidisciplinary Approach* provides a comprehensive review of infective endocarditis and covers the entire spectrum of medical care for these challenging patients. It covers the ever-increasing scope of the problem, including epidemiology, as well as diagnostic work-up, microbiology, medical therapy, and surgical therapy for this disease. The book also addresses the opioid epidemic and rising infective endocarditis incidence in this population. Each type of practitioner can use this book as a definitive resource in reviewing aspects of care related to the endocarditis patient. This book will also serve as an updated resource to provide recent evidence regarding the management of these patients, as well as author perspectives and approaches to tackling the often complex and challenging issues revolving around care of the endocarditis patient. This is an essential reference and an authoritative source for infective endocarditis and provide physicians, nurses, social workers, and everyone who is routinely involved in the care of these patients. Provides a thorough, yet concise review from a multidisciplinary perspective on the work-up and management of infective endocarditis Presents updated reviews on evidence and current guidelines for treating patients with infective endocarditis Provides discussion on controversial aspects of management, both medical and ethical

**Postural Tachycardia Syndrome Oct 27 2019** This book describes the varying clinical manifestations of postural tachycardia syndrome (PoTS) and provides a robust yet practical set of clinical tools for those managing patients suffering with this syndrome. Guidance is provided by a range of disciplines relevant to PoTS including general and specialist assessments, associated conditions, diagnostic considerations, therapy and service models. *Postural Tachycardia Syndrome: A Concise and Practical Guide to Management and Associated Conditions* presents the scientific background and practical information for the busy medical professional, illustrating key features with care-based materials to help them manage this condition, which can be a challenge for patients and clinicians alike.

**Strategies and Tactics for Multidisciplinary Writing Aug 30 2022** Across a wide range of fields of study and academic interests, there is often a common denominator in the need for successful, concise, and well-researched communications in the form of writing. Whether it be accessing credible research, pre-writing practices, or taking writing to the next level from good to excellent, there is a constant need for teaching writing skills and methods effectively as well as utilizing what has been learned within real-life applications to create quality written content. With composers of the written word ranging from students to researchers to business owners and more, multidisciplinary writing encompasses a range of research devoted to enhancing writing skills and providing an understanding of the writing process across diverse fields of interest. *Strategies and Tactics for Multidisciplinary Writing* provides writers in the professional and academic sphere resources for enhancing their writing skills through a clear understanding of the writing process. The chapters focus on the multiple stages of writing including planning, researching, drafting, revising, and more. While highlighting specific topics such as writing in virtual environments, topic research, writing for the internet, and pre-writing practices, this book is ideally intended for writers in the professional and academic spheres as well as practitioners, stakeholders, researchers, academicians, and students interested in multidisciplinary writing.

**A Concise Introduction to Models and Methods for Automated Planning Sep 18 2021** Planning is the model-based approach to autonomous behavior where the agent behavior is derived automatically from a model of the actions, sensors, and goals. The main challenges in planning are computational as all models, whether featuring uncertainty and feedback or not, are intractable in the worst case when represented in compact form. In this book, we look at a variety of models used in AI planning, and at the methods that have been developed for solving them. The goal is to provide a modern and coherent view of planning that is precise, concise, and mostly self-contained, without being shallow. For this, we make no attempt at covering the whole variety of planning approaches, ideas, and applications, and focus on the essentials. The target audience of the book are students and researchers interested in autonomous behavior and planning from an AI, engineering, or cognitive science perspective. Table of Contents: Preface / Planning and Autonomous Behavior / Classical Planning: Full Information and Deterministic Actions / Classical Planning: Variations and Extensions / Beyond Classical Planning: Transformations / Planning with Sensing: Logical Models / MDP Planning: Stochastic Actions and Full Feedback / POMDP Planning: Stochastic Actions and Partial Feedback / Discussion / Bibliography / Author's Biography

**Conan Meets the Academy Apr 13 2021** Robert E. Howard penned a series of fantasy stories in 1932 featuring Conan, a hulking warrior from "Cimmeria" who roamed the mythical Hyborian Age landscape engaging in heroic adventures. More than the quirky manifestation of Depression-era magazines, Conan the Barbarian has endured as a cultural mainstay for over 70 years. This multidisciplinary collection offers the first scholarly investigation of Conan, from Howard's early stories, through midcentury novels and Arnold Schwarzenegger's iconic films, to the 2011 cinematic remake of Conan the Barbarian. Drawing on disciplines such as stylometry, archeology, cultural and folklore studies and literary history, the essays examine statistical analyses of the words in Conan texts, the literary genesis of Conan, later-day parodies, Conan video games, and much more. This volume reveals the hidden scholarly depth of this seemingly unsophisticated fictional character.

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