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**Computer Literature Bibliography** Springer Science & Business Media  
Volume VIII of the High Speed Aerodynamics and Jet Propulsion series. This volume includes: performance calculation at high speed; stability and control of high speed aircraft; aeroelasticity and flutter; model testing; transonic wind tunnels; supersonic tunnels; hypersonic experimental facilities; low density wind tunnels; shock tube; wind tunnel measurements; instrumented models in free flight; piloted aircraft testing; free flight range methods. Originally published in 1961. The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.  
IJCAI-97 Psychology Press

This volume features the complete text of all regular papers, posters, and summaries of symposia presented at the 16th annual meeting of the Cognitive Science Society.  
*Miscellaneous Publication - National Bureau of Standards* CRC Press  
Table of contents

High Speed Problems of Aircraft and Experimental Methods Psychology Press  
As World War II came to a close, piston-powered fighter aircraft were at their zenith, and Navy fighters, such as the Grumman F6F Hellcat and Vought Corsair, dominated the skies over the Pacific. As these fighter designs reached their peak, a new propulsion technology was being developed that held great promise. When introduced, the first jet aircraft were underpowered, and in many ways inferior to propeller-driven aircraft of the time. U.S. Naval Air Superiority examines the Navy's internal struggle to adapt the jet engine to its style of warfare as well as the development and evolution of carrier-borne fighters and their airframes and engines, from the closing days of World War II through Vietnam. For the first time, U.S. Naval Air Superiority profiles the turbulent design and development stage of the Navy's carrier-based jet fighter program. From the successful designs, such as the Fury, Banshee, Crusader, and Phantom II, to the also-rans, like the Fireball, Demon, Pirate, and Cutlass, the Navy's needs are measured against contractor and political demands and the limits of the evolving engine and aerodynamic technologies of the day. This book includes engine cut-aways, aircraft comparison diagrams, and details the safety improvements made to aircraft carriers to enable higher speed and high-gross-weight jet operations.

*The Social Psychology of Organizational Behavior* Specialty Press  
This book constitutes the refereed proceedings of the Second International Conference on Autonomous Infrastructure, Management and Security, AIMS 2008, held in Bremen, Germany, in June 2008, under the auspices of IFIP. The 13 revised full papers presented together with 8 papers of the AIMS PhD workshop were carefully reviewed and selected from 33 submissions to the main conference and 12 papers for the PhD workshop respectively. The papers are discussing topics such as autonomy, incentives and trust, overlays and virtualization, load balancing and fault recovery, network traffic engineering and analysis, and convergent behavior of distributed systems.  
Scientific and Technical Aerospace Reports Princeton University Press  
Provides an accessible introduction to computational complexity analysis and its application to questions of intractability in cognitive science.

*Problem Solving* Springer  
First Published in 2003. Routledge is an imprint of Taylor & Francis, an informa company.  
Proceedings of the Seventeenth Annual Conference of the Cognitive Science Society Schaum's Outline Series  
Organized by: European Coordinating Committee for AI (ECCA)  
Mathematics at Work Taylor & Francis  
This book constitutes the refereed proceedings of the 14th International Conference on Parallel

Problem Solving from Nature, PPSN 2016, held in Edinburgh, UK, in September 2016. The total of 93 revised full papers were carefully reviewed and selected from 224 submissions. The meeting began with four workshops which offered an ideal opportunity to explore specific topics in intelligent transportation Workshop, landscape-aware heuristic search, natural computing in scheduling and timetabling, and advances in multi-modal optimization. PPSN XIV also included sixteen free tutorials to give us all the opportunity to learn about new aspects: gray box optimization in theory; theory of evolutionary computation; graph-based and cartesian genetic programming; theory of parallel evolutionary algorithms; promoting diversity in evolutionary optimization: why and how; evolutionary multi-objective optimization; intelligent systems for smart cities; advances on multi-modal optimization; evolutionary computation in cryptography; evolutionary robotics - a practical guide to experiment with real hardware; evolutionary algorithms and hyper-heuristics; a bridge between optimization over manifolds and evolutionary computation; implementing evolutionary algorithms in the cloud; the attainment function approach to performance evaluation in EMO; runtime analysis of evolutionary algorithms: basic introduction; meta-model assisted (evolutionary) optimization. The papers are organized in topical sections on adaption, self-adaption and parameter tuning; differential evolution and swarm intelligence; dynamic, uncertain and constrained environments; genetic programming; multi-objective, many-objective and multi-level optimization; parallel algorithms and hardware issues; real-word applications and modeling; theory; diversity and landscape analysis.

Proceedings of the Sixteenth Annual Conference of the Cognitive Science Society Morgan Kaufmann  
Readings in Qualitative Reasoning about Physical Systems describes the automated reasoning about the physical world using qualitative representations. This text is divided into nine chapters, each focusing on some aspect of qualitative physics. The first chapter deal with qualitative physics, which is concerned with representing and reasoning about the physical world. The goal of qualitative physics is to capture both the commonsense knowledge of the person on the street and the tacit knowledge underlying the quantitative knowledge used by engineers and scientists. The succeeding chapter discusses the qualitative calculus and its role in constructing an envisionment that includes behavior over both mythical time and elapsed time. These topics are followed by reviews of the mathematical aspects of qualitative reasoning, history-based simulation and temporal reasoning, as well as the intelligence in scientific computing. The final chapters are devoted to automated modeling for qualitative reasoning and causal explanations of behavior. These chapters also examine the qualitative kinematics of reasoning about shape and space. This book will prove useful to psychologists and psychiatrists.

*Expert Systems, Six-Volume Set* MIT Press  
Analogical thinking lies at the core of human cognition, pervading from the most mundane to the most extraordinary forms of creativity. By connecting poorly understood phenomena to learned situations whose structure is well articulated, it allows reasoners to expand the boundaries of their knowledge. The first part of the book begins by fleshing out the debate around whether our cognitive system is well-suited for creative analogizing, and ends by reviewing a series of studies that were designed to decide between the experimental and the naturalistic accounts. The studies confirm the psychological reality of the surface bias revealed by most experimental studies, thus claiming for realistic solutions to the problem of inert knowledge. The second part of the book delves into cognitive interventions, while maintaining an emphasis on the interplay between psychological modeling and instructional applications. It begins by reviewing the first generation of instructional interventions aimed at improving the later retrievability of educational contents by highlighting their abstract structure. Subsequent chapters discuss the most realistic avenues for devising easily-executable and widely-applicable ways of enhancing access to stored knowledge that would otherwise remain inert. The authors review results from studies from both others and their own lab that speak of the promise of these approaches. ?

**Advanced Topics in Artificial Intelligence** Resilient Networks and Services  
The new fourth edition retains the original purpose which has made this book such a large success through every one of its previous editions: to effectively help its readers solve a wide array of mathematical problems specifically related to mechanical work. Aside from its unique compilation of mathematical problems, this book is renowned for its ability to duplicate, as far as possible, personal instruction.

Its usefulness as a self-learning guide for the mathematics of mechanical problems is therefore unexcelled. The entire text has been carefully reviewed and edited where necessary for greater clarity and accuracy. Includes new problem materials. At the request of many users, it now includes trigonometric and common logarithm tables.  
*Parallel Problem Solving from Nature – PPSN XIV* Industrial Press Inc.  
A comprehensive introduction to the computational modeling of human cognition.  
Cognition and Intractability Psychology Press  
Kinematics, Dynamics, and Design of Machinery, Third Edition, presents a fresh approach to kinematic design and analysis and is an ideal textbook for senior undergraduates and graduates in mechanical, automotive and production engineering Presents the traditional approach to the design and analysis of kinematic problems and shows how GCP can be used to solve the same problems more simply Provides a new and simpler approach to cam design Includes an increased number of exercise problems Accompanied by a website hosting a solutions manual, teaching slides and MATLAB® programs

Engineering Casemate Publishers  
Although the field of intelligent systems has grown rapidly in recent years, there has been a need for a book that supplies a timely and accessible understanding of this important technology. Filling this need, Case Studies in Intelligent Computing: Achievements and Trends provides an up-to-date introduction to intelligent systems. This edited book captures the state of the art in intelligent computing research through case studies that examine recent developments, developmental tools, programming, and approaches related to artificial intelligence (AI). The case studies illustrate successful machine learning and AI-based applications across various industries, including: A non-invasive and instant disease detection technique based upon machine vision through the image scanning of the eyes of subjects with conjunctivitis and jaundice Semantic orientation-based approaches for sentiment analysis An efficient and autonomous method for distinguishing application protocols through the use of a dynamic protocol classification system Nonwavelet and wavelet image denoising methods using fuzzy logic Using remote sensing inputs based on swarm intelligence for strategic decision making in modern warfare Rainfall–runoff modeling using a wavelet-based artificial neural network (WANN) model Illustrating the challenges currently facing practitioners, the book presents powerful solutions recently proposed by leading researchers. The examination of the various case studies will help you develop the practical understanding required to participate in the advancement of intelligent computing applications. The book will help budding researchers understand how and where intelligent computing can be applied. It will also help more established researchers update their skills and fine-tune their approach to intelligent computing.

**The Routledge Companion to Production and Operations Management** John Wiley & Sons  
205 Group RAF mining operations over the River Danube in 1944. The product of research in British, Australian, South African, German, Hungarian and Slovak archives, 'Gardening by Moonlight' is about one of the least known and most effective of the Royal Air Force's bombing campaigns of the Second World War. Operating from a group of bases around Foggia, in Central Italy, the RAF's 205 Group mined the River Danube intensively between April and October 1944, radically curtailing the movement of Axis river shipping and at times halting it altogether. The Wellington and Liberator crews had to sow their mines (hence the slang term 'gardening') at low level on moonlit nights, running the gauntlet of night fighters, flak and balloon barrages. Their courage, skill and sacrifice are celebrated in what is an important account of a virtually unknown aspect of the war in the air.

*Case Studies in Intelligent Computing* Cambridge University Press  
Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

*Proceedings of the Nineteenth Annual Conference of the Cognitive Science Society*

Routledge

This remarkable volume highlights the importance of Production and Operations Management (POM) as a field of study and research contributing to substantial business and social growth. The editors emphasize how POM works with a range of systems—agriculture, disaster management, e-commerce, healthcare, hospitality, military systems, not-for-profit, retail, sports, sustainability, telecommunications, and transport—and how it contributes to the growth of each. Martin K. Starr and Sushil K. Gupta gather an international team of experts to provide researchers and students with a panoramic vision of the field. Divided into eight parts, the book presents the history of POM, and establishes the foundation upon which POM has been built while also revisiting and revitalizing topics that have long been essential. It examines the significance of processes and projects to the fundamental growth of the POM field. Critical emerging themes and new research are examined with open minds and this is followed by opportunities to interface with other business functions. Finally, the next era is discussed in ways that combine practical skill with philosophy in its analysis of POM, including traditional and nontraditional applications, before concluding with the editors' thoughts on the future of the discipline. Students of POM will find this a comprehensive, definitive resource on the state of the discipline and its future directions.

Approach Springer Science & Business Media

This volume features the complete text of the material presented at the Nineteenth Annual Conference of the Cognitive Science Society. Papers have been loosely grouped by topic and an author index is provided in the back. As in previous years, the symposium included an interesting mixture of papers on many topics from researchers with diverse backgrounds and different goals, presenting a multifaceted view of cognitive science. In hopes of facilitating searches of this work, an electronic index on the Internet's World Wide Web is provided. Titles, authors, and summaries of all the papers published here have been placed in an online database which may be freely searched by anyone. You can reach the web site at: [www-csli.stanford.edu/cogsci97](http://www-csli.stanford.edu/cogsci97).

**Popular Mechanics** Elsevier

Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it's practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle.