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With Ovation, we found a comprehensive and flexible LIMS platform that is purpose-built for complex molecular diagnostics, enabling us to quickly deploy innovative genetic tests that improve the lives ...

~~Genetics Institute of America Selects Ovation LIMS to Accelerate Advanced Molecular Testing~~

A multi-institutional study has discovered spontaneous mutations in RNF2 (RING2) gene as the underlying cause of a novel neurological disorder. This Undiagnosed Diseases Network (UDN) study was led by ...

~~A novel neurological disorder associated with the Polycomb complex identified~~

Global EEPROM-based Complex Programmable Logic Device (CPLD) Market 2021 by Manufacturers, Regions, Type and Application, Forecast to 2026, the new advanced research study and presentation by ...

~~Global EEPROM-based Complex Programmable Logic Device (CPLD) Market 2021 with Covid-19 Impact Analysis and Forecast by 2026~~

utm_source=marketwatch.com&utm_medium=AG Advanced wound care products are designed to treat more complex wounds and "in order to be ... are focusing on combat competition in the market. The ...

~~Advanced Wound Care Market Size Growing at 6.5% CAGR to hit USD 20030 million by 2026~~

The Keio Research Highlights website offers more details about this and other recent research being conducted by researchers at Keio University. Lipids are hydrocarbon molecules—such as fats and ...

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~~Keio University Research: Demystifying the fatty world of lipids~~

The Environment + Energy Leader Awards recognize excellence in products and services that provide companies with energy, environmental and sustainability benefits through innovati ...

~~ehsAI Earns 2021 Top Product of the Year from Environment + Energy Leader~~

HOBOKEN, N.J. and OAKLAND, Calif., July 14, 2021 /PRNewswire/ -- Health Recovery Solutions, a leading provider of telehealth and remote patient monitoring solutions, today announced a partnership with ...

~~Health Recovery Solutions (HRS) and Eko Announce Partnership to Integrate Eko DUO ECG + Digital Stethoscope into HRS Telehealth Solution~~

With the Forklift Training simulations, operators can prepare for certification and learn advanced exercises like loading a ramp.

~~CM Labs' New Forklift Simulator Offers Advanced Exercises~~

Second, an advanced healthcare analytics platform cannot be treated as an IT project. It is a business initiative intended to solve a complex business challenge. Thus, you need input and buy-in ...

~~Using advanced analytics to look at the 'whole person' for better value-based care delivery~~

Avishkaar is dedicated to educating children about high-end technologies and coding in their childhood. Analytics Insight has featured Tarun Bhalla, CEO, and Pooja Goyal, Co-founder & COO of Avishkaar ...

~~Avishkaar: Shaping Children to Become Technologically Advanced Maestros~~

Secureworks Unveils Technology Alliance Partner Program to Protect from Advanced Cyber Threats Cybersec ChannelVision Magazine ...

~~Secureworks Unveils Technology Alliance Partner Program to Protect from Advanced Cyber Threats~~

Leonardo DRS Land Systems is a business unit within Leonardo DRS and is a world leader in the integration of complex technologies ... From its ultra-modern, advanced engineering and manufacturing ...

~~Keeping soldiers safe through advanced manufacturing and combat systems integration~~

Breaking value chain silos and truly integrating across segments, at least virtually, is something that may have been tried in the past, often unsuccessfully, but advanced technologies have ...

~~Is A Complex Value Chain Squeezing Every Cent From A Barrel Of Oil?~~

With a modern, spa-like design, onsite patient advocacy services, complex diagnosis management ... Now that our Advanced Primary Care

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model has joined Sana's innovative health plans, our ...

~~Sana Partners with Proactive MD to Open Sana MD, A Next Generation Advanced Primary Care Health Center Providing Members With Comprehensive Primary Care~~

The advanced wound care market size was valued at \$9.25 billion in 2019, and is estimated to reach at \$15.30 billion by 2027, registering a CAGR of 11.6% from 2020 to 2027."Advanced Wound Care ...

~~Advanced Wound Care Market latest industry trends 2021 Outlook, Industry Size, Market Share, Forecast till 2027~~

The platform will meet Advanced Medical Home Tier ... or through providing a comprehensive care management solution— including complex care management, chronic care management, transitional ...

~~Entire Health Partners With Innovaccer to Build a Population Health Analytics Platform for North Carolina Managed Medicaid Care Launch~~

Its advanced analytics, visualization capabilities, and comprehensive range of functionalities were ... In addition to simple keyword search functionality, it uses complex AI to take a deep dive into ...

~~SANDSIV Wins Frost & Sullivan's Award for Leadership in the European VoC Industry for sandsiv+~~

Retirement in America represents a complex equation fraught ... experts to mix these financially advanced approaches early and thoroughly to provide a truly comprehensive retirement plan for ...

~~A 'Rebuilding American Retirement' Call to Arms for Financial Advisors~~

Effective threat detection and response relies upon comprehensive visibility across increasingly complex infrastructures ... customers' ability to detect advanced threats, streamline and ...

This double volume set (LNAI 10863-10864) constitutes the refereed proceedings of the 25th International Workshop, EG-ICE 2018, held in Lausanne, Switzerland, in June 2018. The 58 papers presented in this volume were carefully reviewed and selected from 108 submissions. The papers are organized in topical sections on Advanced Computing in Engineering, Computer Supported Construction Management, Life-Cycle Design Support, Monitoring and Control Algorithms in Engineering, and BIM and Engineering Ontologies.

Ten Strategies of a World-Class Cyber Security Operations Center conveys MITRE's accumulated expertise on enterprise-grade computer network defense. It covers ten key qualities of leading Cyber Security Operations Centers (CSOCs), ranging from their structure and organization, to processes that best enable smooth operations, to approaches that extract maximum value from key CSOC technology investments. This book offers perspective and context for key decision points in structuring a CSOC, such as what capabilities to offer, how to architect large-scale data collection and analysis, and how to prepare the CSOC team for agile, threat-based response. If you manage, work

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in, or are standing up a CSOC, this book is for you. It is also available on MITRE's website, www.mitre.org.

This is a practical guide to the use of simulation in pediatric training and evaluation, including all subspecialty areas. It covers scenario building, debriefing and feedback, and it discusses the use of simulation for different purposes: education, crisis resource management and interdisciplinary team training, competency assessment, patient safety and systems integration. Readers are introduced to the different simulation modalities and technologies and guided on the use of simulation with a variety of learners, including medical students, residents, practicing pediatricians, and health-related professionals. Separate chapters on each pediatric subspecialty provide practical advice and strategies to allow readers to integrate simulation into existing curriculum. Pediatric subspecialties covered include: General Pediatrics, Pediatric Emergency Medicine and Trauma, Neonatology, Pediatric Critical Care Medicine, Transport Medicine, Pediatric Anesthesia, and Pediatric Surgery amongst many others. Comprehensive Healthcare Simulation PEDIATRICS Edition is a volume in the series, Comprehensive Healthcare Simulation. The series is designed to complement Levine et al., eds., The Comprehensive Textbook of Healthcare Simulation by providing short, focused volumes on the use of simulation in a single specialty or on a specific simulation topic, and emphasizing practical considerations and guidance.

An Introduction to Complex Analysis and Geometry provides the reader with a deep appreciation of complex analysis and how this subject fits into mathematics. The book developed from courses given in the Campus Honors Program at the University of Illinois Urbana-Champaign. These courses aimed to share with students the way many mathematics and physics problems magically simplify when viewed from the perspective of complex analysis. The book begins at an elementary level but also contains advanced material. The first four chapters provide an introduction to complex analysis with many elementary and unusual applications. Chapters 5 through 7 develop the Cauchy theory and include some striking applications to calculus. Chapter 8 glimpses several appealing topics, simultaneously unifying the book and opening the door to further study. The 280 exercises range from simple computations to difficult problems. Their variety makes the book especially attractive. A reader of the first four chapters will be able to apply complex numbers in many elementary contexts. A reader of the full book will know basic one complex variable theory and will have seen it integrated into mathematics as a whole. Research mathematicians will discover several novel perspectives.

With this second volume, we enter the intriguing world of complex analysis. From the first theorems on, the elegance and sweep of the results is evident. The starting point is the simple idea of extending a function initially given for real values of the argument to one that is defined when the argument is complex. From there, one proceeds to the main properties of holomorphic functions, whose proofs are generally short and quite illuminating: the Cauchy theorems, residues, analytic continuation, the argument principle. With this background, the reader is ready to learn a wealth of additional material connecting the subject with other areas of mathematics: the Fourier transform treated by contour integration, the zeta function and the prime number theorem, and an introduction to elliptic functions culminating in their application to combinatorics and number theory. Thoroughly developing a subject with many ramifications, while striking a careful balance between conceptual insights and the technical underpinnings of rigorous analysis, Complex Analysis will be welcomed by students of mathematics, physics, engineering and other sciences. The Princeton Lectures in Analysis represents a sustained effort to introduce the core areas of

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mathematical analysis while also illustrating the organic unity between them. Numerous examples and applications throughout its four planned volumes, of which Complex Analysis is the second, highlight the far-reaching consequences of certain ideas in analysis to other fields of mathematics and a variety of sciences. Stein and Shakarchi move from an introduction addressing Fourier series and integrals to in-depth considerations of complex analysis; measure and integration theory, and Hilbert spaces; and, finally, further topics such as functional analysis, distributions and elements of probability theory.

This comprehensive treatment of immunochemistry theory offers the kind of information essential to furthering the biotechnological development of advances in molecular and cellular immunology. More than just a review of the principles, the Second Edition of Advanced Immunochemistry presents a full exposition of modern immunochemical theory and knowledge. Incorporating the major developments in immunochemistry over the past two decades, this exciting text presents the latest information on the progress in such areas as: immunoglobulin structures; applications of molecular genetics to the understanding of immunoglobulin genes and supergene families; molecular and cellular bases of antibody diversity; antibody binding to specific epitopes of antigen molecules; and idiotype. This Second Edition will serve as a comprehensive reference to the structure and function of immunoglobulins and as a basis for understanding the complexities of immune responses.

This four-volume set (CCIS 643, 644, 645, 646) constitutes the refereed proceedings of the 16th Asia Simulation Conference and the First Autumn Simulation Multi-Conference, AsiaSim / SCS AutumnSim 2016, held in Beijing, China, in October 2016. The 265 revised full papers presented were carefully reviewed and selected from 651 submissions. The papers in this second volume of the set are organized in topical sections on HMI and robot simulations; modeling and simulation for intelligent manufacturing; military simulation; visualization and virtual reality.

"First published in the United States of America by Viking Penguin Inc. 1953"--title page verso.

The fundamental mathematical tools needed to understand machine learning include linear algebra, analytic geometry, matrix decompositions, vector calculus, optimization, probability and statistics. These topics are traditionally taught in disparate courses, making it hard for data science or computer science students, or professionals, to efficiently learn the mathematics. This self-contained textbook bridges the gap between mathematical and machine learning texts, introducing the mathematical concepts with a minimum of prerequisites. It uses these concepts to derive four central machine learning methods: linear regression, principal component analysis, Gaussian mixture models and support vector machines. For students and others with a mathematical background, these derivations provide a starting point to machine learning texts. For those learning the mathematics for the first time, the methods help build intuition and practical experience with applying mathematical concepts. Every chapter includes worked examples and exercises to test understanding. Programming tutorials are offered on the book's web site.

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