

Get Free SEMICONDUCTOR PHYSICS AND DEVICES BASIC PRINCIPLES 4TH EDITION PDF Read Pdf Free

Hemostasis and Thrombosis Learning and Memory Biofeedback, Fourth Edition Comprehensive Semiconductor Science and Technology Standard Terminology for Curriculum and Instruction in Local and State School Systems Criminal Judicial Review General Principles of Law in the Decisions of International Criminal Courts and Tribunals Four Basic Principles of Numerology Clinical Oncology Fourth Edition Plastic Surgery E-Book: 6 - Volume Set Plastic Surgery E-Book Plastic Surgery E-Book Plastic Surgery E-Book Plastic Surgery - E-Book Plastic Surgery E-Book Plastic Surgery E-Book Signalman 1 & C Encyclopedia of Food Safety Encyclopedia of Biological Chemistry Treatise on Water Science Legitimacy and Drones General Principles of Law and International Investment Arbitration The Four Pillars of WEC The Physics of Semiconductors The Oxford Companion to International Criminal Justice Comprehensive Coordination Chemistry II Corporate Accountability in the Context of Transitional Justice Analog Circuits and Devices Comprehensive Biomaterials Short-Cut Math Comprehensive Nuclear Materials Genomic Medicine The Publishers' Trade List Annual Quantum Theory of the Optical and Electronic Properties of Semiconductors Daily Report Documents in International Economic Law General Catalog Issue Design, Synthesis, Structure, and Dynamics of a Polypeptide with Supersecondary Structure Intermediate Accounting, Volume 1 Pyrotechnics : Basic Principles, Technology, Application

Semiconductors are at the heart of modern living. Almost everything we do, be it work, travel, communication, or entertainment, all depend on some feature of semiconductor technology. Comprehensive Semiconductor Science and Technology captures the breadth of this important field, and presents it in a single source to the large audience who study, make, and exploit semiconductors. Previous attempts at this achievement have been abbreviated, and have omitted important topics. Written and Edited by a truly international team of experts, this work delivers an objective yet cohesive global review of the semiconductor world. The work is divided into three sections. The first section is concerned with the fundamental physics of semiconductors, showing how the electronic features and the lattice dynamics change drastically when systems vary from bulk to a low-dimensional structure and further to a nanometer size. Throughout this section there is an emphasis on the full understanding of the underlying physics. The second section deals largely with the transformation of the conceptual framework of solid state physics into devices and systems which require the growth of extremely high purity, nearly defect-free bulk and epitaxial materials. The last section is devoted to exploitation of the knowledge described in the previous sections to highlight the spectrum of devices we see all around us. Provides a comprehensive global picture of the semiconductor world Each of the work's three sections presents a complete description of one aspect of the whole Written and Edited by a truly international team of experts Comprehensive Biomaterials brings together the myriad facets of biomaterials into one, major series of six edited volumes that would cover the field of biomaterials in a major, extensive fashion: Volume 1: Metallic, Ceramic and Polymeric Biomaterials Volume 2: Biologically Inspired and Biomolecular Materials Volume 3: Methods of Analysis Volume 4: Biocompatibility, Surface Engineering, and Delivery Of Drugs, Genes and Other Molecules Volume 5: Tissue and Organ Engineering Volume 6: Biomaterials and Clinical Use Experts from around the world in hundreds of related biomaterials areas have contributed to this publication, resulting in a continuum of rich information appropriate for many audiences. The work addresses the current status of nearly all biomaterials in the field, their strengths and weaknesses, their future prospects, appropriate analytical methods and testing, device applications and performance, emerging candidate materials as competitors and disruptive technologies, and strategic insights for those entering and operational in diverse biomaterials applications, research and development, regulatory management, and commercial aspects. From the outset, the goal was to review materials in the context of medical devices and tissue properties, biocompatibility and surface analysis, tissue engineering and controlled release. It was also the intent both, to focus on material properties from the perspectives of therapeutic and diagnostic use, and to address questions relevant to state-of-the-art research endeavors. Reviews the current status of nearly all biomaterials in the field by analyzing their strengths and weaknesses, performance as well as future prospects Presents appropriate analytical methods and testing procedures in addition to potential device applications Provides strategic insights for those working on diverse application areas such as R&D, regulatory management, and commercial development Corporate Accountability in the Context of Transitional Justice explores how corporations can be held accountable for their role in past human rights violations when a country is making a transition from conflict or repression to peace and democracy. It breaks new ground in theorizing the linkages between the areas of transitional justice and corporate accountability and analyzing problems frequently arising where the two fields meet in practice, for example where the role of corporations in past human rights violations is examined by truth and reconciliation commissions or in the course of litigation. The book provides an overview of the current trends in law and in legal and political discussion relating to both areas, as well as in-depth analysis of how tools of corporate accountability and transitional justice can complement each other in order to achieve the best outcomes for bringing justice to victims and lasting peace to societies. The authors bring extensive experience from diverse professional backgrounds and jurisdictions to provide the first sustained attempt to address this link. The book will be of interest to scholars, practitioners, policymakers and activists working in the areas of transitional justice; corporate accountability; and business and human rights. This comprehensive volume is widely regarded as the definitive practitioner resource and text resource in the field of biofeedback and applied psychophysiology. Leading experts cover basic concepts, assessment, instrumentation, clinical procedures, and professional issues. Chapters describe how traditional and cutting-edge methods are applied in treatment of a wide range of disorders, including headaches, temporomandibular disorders, essential hypertension, pelvic floor disorders, attention-deficit/hyperactivity disorder, tinnitus, and others. Applications for optimizing physical performance among artists and athletes are also reviewed. A wealth of information and empirical research is presented in an accessible style, including helpful glossaries. New to This Edition *Incorporates significant technological developments and new research areas. *Expanded focus on specialized applications, such as electroencephalographic (EEG) biofeedback/neurofeedback and heart rate variability biofeedback. *Chapters on surface electromyography, quantitative EEG, and consumer products. *Chapters on cognitive-behavioral therapy and relaxation training. *Chapters on additional clinical problems: anxiety disorders, asthma, work-related pain, traumatic brain injury, autism spectrum disorders, and substance use disorders. Fully updated to meet the demands of the 21st-century surgeon, Breast, Volume 5 of Plastic Surgery 3rd Edition, provides you with the most current knowledge and techniques in breast surgery, allowing you to offer every patient the best possible outcome. Access all the state-of-the-art know-how you need to overcome any challenge you may face and exceed your patients' expectations. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Apply the very latest advances in breast plastic surgery and ensure optimal outcomes with evidence-based advice from a diverse collection of world-leading authorities. Purchase this volume individually or own the entire set, with the ability to search across all six volumes online! Make optimal use of the latest practices in aesthetic breast surgery, including imaging for breast augmentation and short scar mastopexy; autologous lipofilling of the breast; the use and challenges of silicone gel devices; and new techniques for developmental and congenital deformities of the breast. Know what to look for and what results you can expect with 1,300 photographs and illustrations. See how to perform key techniques with 25 surgical videos online. Access the complete, fully searchable contents online, download all the tables and figures, and take advantage of additional content and images at www.expertconsult.com! Water quality and management are of great significance globally, as the demand for clean, potable water far exceeds the availability. Water science research brings together the natural and applied sciences, engineering, chemistry, law and policy, and economics, and the Treatise on Water Science seeks to unite these areas through contributions from a global team of author-experts. The 4-volume set examines topics in depth, with an emphasis on innovative research and technologies for those working in applied areas. Published in partnership with and endorsed by the International Water Association (IWA), demonstrating the authority of the content Editor-in-Chief Peter Wilderer, a Stockholm Water Prize recipient, has assembled a world-class team of volume editors and contributing authors Topics related to water resource management, water quality and supply, and handling of wastewater are treated in depth This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work is in the "public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant. Fully updated to meet the demands of the 21st-century surgeon, Craniofacial, Head and Neck Surgery and Pediatric Plastic Surgery, Volume 3 of Plastic Surgery, 3rd Edition, provides you with the most current knowledge and techniques across your entire field, allowing you to offer every patient the best possible outcome. Access all the state-of-the-art know-how you need to overcome any challenge you may face and exceed your patients' expectations. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Apply the very latest advances in craniofacial, head, neck, and pediatric plastic surgery and ensure optimal outcomes with evidence-based advice from a diverse collection of world-leading authorities. Purchase this volume individually or own the entire set, with the ability to search across all six volumes online! Master the newest procedures in pediatric plastic surgery, including conjoined twinning. Apply the latest clinical evidence and surgical techniques to facilitate the decision-making process for craniofacial patients, and optimize outcomes in the correction of congenital, oncologic, traumatic, and acquired deformities. Know what to look for and what results you

can expect with over 2,000 photographs and illustrations. See how to perform key techniques with 28 surgical videos online. Access the complete, fully searchable contents online, download all the tables and figures, and take advantage of additional content and images at www.expertconsult.com! Comprehensive Nuclear Materials discusses the major classes of materials suitable for usage in nuclear fission, fusion reactors and high power accelerators, and for diverse functions in fuels, cladding, moderator and control materials, structural, functional, and waste materials. The work addresses the full panorama of contemporary international research in nuclear materials, from Actinides to Zirconium alloys, from the worlds' leading scientists and engineers. Critically reviews the major classes and functions of materials, supporting the selection, assessment, validation and engineering of materials in extreme nuclear environment Fully integrated with F-elements.net, a proprietary database containing useful cross-referenced property data on the lanthanides and actinides Details contemporary developments in numerical simulation, modelling, experimentation, and computational analysis, for effective implementation in labs and plants

With the world's growing population, the provision of a safe, nutritious and wholesome food supply for all has become a major challenge. To achieve this, effective risk management based on sound science and unbiased information is required by all stakeholders, including the food industry, governments and consumers themselves. In addition, the globalization of the food supply requires the harmonization of policies and standards based on a common understanding of food safety among authorities in countries around the world. With some 280 chapters, the Encyclopedia of Food Safety provides unbiased and concise overviews which form in total a comprehensive coverage of a broad range of food safety topics, which may be grouped under the following general categories: History and basic sciences that support food safety; Foodborne diseases, including surveillance and investigation; Foodborne hazards, including microbiological and chemical agents; Substances added to food, both directly and indirectly; Food technologies, including the latest developments; Food commodities, including their potential hazards and controls; Food safety management systems, including their elements and the roles of stakeholders. The Encyclopedia provides a platform for experts from the field of food safety and related fields, such as nutrition, food science and technology and environment to share and learn from state-of-the art expertise with the rest of the food safety community. Assembled with the objective of facilitating the work of those working in the field of food safety and related fields, such as nutrition, food science and technology and environment - this work covers the entire spectrum of food safety topics into one comprehensive reference work The Editors have made every effort to ensure that this work meets strict quality and pedagogical thresholds such as: contributions by the foremost authorities in their fields; unbiased and concise overviews on a multitude of food safety subjects; references for further information, and specialized and general definitions for food safety terminology In maintaining confidence in the safety of the food supply, sound scientific information is key to effectively and efficiently assessing, managing and communicating on food safety risks. Yet, professionals and other specialists working in this multidisciplinary field are finding it increasingly difficult to keep up with developments outside their immediate areas of expertise. This single source of concise, reliable and authoritative information on food safety has, more than ever, become a necessity Clear, concise compendium of about 150 time-saving math short-cuts features faster, easier ways to add, subtract, multiply, and divide. Each problem includes an explanation of the method. No special math ability needed. The pre-eminent reference on coagulation disorders is now in its thoroughly updated Fifth Edition. Written by more than 160 of the world's foremost authorities, this encyclopedic volume integrates basic science and clinical practice and details all that is currently known about blood clotting disorders and how to manage patients with these and related problems. This edition has been reorganized into smaller, more tightly focused chapters to help readers find information easily. A new co-editor, Samuel Z. Goldhaber, MD, has expanded the cardiology portion of the book. Other new features include a two-color page design and more than 100 full-color illustrations. International lawyers usually disregard the vital functions that general principles of law may play in the decisions of international courts and tribunals. As far as international criminal law is concerned, general principles of law may be crucial to the outcome of an international trial, "inter alia" because the conviction of an accused in respect of a particular charge may depend on the existence of a given defence under this source. This volume examines the role that general principles of law have played in the decisions of international criminal courts and tribunals. In particular, it analyses their alleged a ~subsidiary (TM) nature, their process of determination, and their transposition from national legal systems into international law. It concludes that general principles of law have played a significant role in the decisions of international criminal courts and tribunals, not only by filling legal gaps, but also by being a fundamental means for the interpretation of legal rules and the enhancement of legal reasoning. This is the unbound, loose-leaf version of Intermediate Accounting, 17th Edition, Volume 1. This book is written by industry thought leaders, Kieso, Weygandt, and Warfield and is developed around one simple proposition: create great accountants. Upholding industry standards, this edition incorporates new data analytics content and up-to-date coverage of leases, revenue recognition, financial instruments, and US GAAP & IFRS. While maintaining its reputation for accuracy, comprehensiveness, and accessibility, Intermediate Accounting drives results by helping students build professional competencies through reliable problem material. The move to end impunity for human rights atrocities has seen the creation of international and hybrid tribunals and increased prosecutions in domestic courts. The Oxford Companion to International Criminal Justice is the first major reference work to provide a complete overview of this emerging field. Its nearly 1100 pages are divided into three sections. In the first part, 21 essays by leading thinkers offer a comprehensive survey of issues and debates surrounding international humanitarian law, international criminal law, and their enforcement. The second part is arranged alphabetically, containing 320 entries on doctrines, procedures, institutions and personalities. The final part contains over 400 case summaries on different trials from international and domestic courts dealing with war crimes, crimes against humanity, genocide, torture, and terrorism. With analysis and commentary on every aspect of international criminal justice, this Companion is designed to be the first port of call for scholars and practitioners interested in current developments in international justice. This text explores the core principles of learning and memory in a clear, reader-friendly style, covering animal learning and human memory in a balanced fashion. A strong emphasis on practical applications to the college student's everyday life is evident in examples throughout, such as the correlation between caffeine consumption and grade point average (Chapter 1), the importance of taking practice tests over additional studying (Chapter 9), approach/avoidance coping for upcoming and completed exams (Chapter 5), and misremembering what your professor said in class (Chapter 10). The relationship between the fields of neuropsychology and learning and memory is also stressed throughout. The fourth edition has been thoroughly updated to reflect the latest research and has been freshened throughout with more relevant examples and better graphics. There are new sections on the adaptive-evolutionary approach, potentiated startle, behavior medicine, breaking habits, behavioral economics, testing effect, consolidation theory, an expanded section on working memory, and new applications in animal training, self behavior modification, neuroethics and artificial memory enhancement, and acting and memory. The 4th edition of this highly successful textbook features copious material for a complete upper-level undergraduate or graduate course, guiding readers to the point where they can choose a specialized topic and begin supervised research. The textbook provides an integrated approach beginning from the essential principles of solid-state and semiconductor physics to their use in various classic and modern semiconductor devices for applications in electronics and photonics. The text highlights many practical aspects of semiconductors: alloys, strain, heterostructures, nanostructures, amorphous semiconductors, and noise, which are essential aspects of modern semiconductor research but often omitted in other textbooks. This textbook also covers advanced topics, such as Bragg mirrors, resonators, polarized and magnetic semiconductors, nanowires, quantum dots, multi-junction solar cells, thin film transistors, and transparent conductive oxides. The 4th edition includes many updates and chapters on 2D materials and aspects of topology. The text derives explicit formulas for many results to facilitate a better understanding of the topics. Having evolved from a highly regarded two-semester course on the topic, The Physics of Semiconductors requires little or no prior knowledge of solid-state physics. More than 2100 references guide the reader to historic and current literature including original papers, review articles and topical books, providing a go-to point of reference for experienced researchers as well. The 4-volume Encyclopedia of Biological Chemistry, Second Edition, represents the current state of a dynamic and crucial field of study. The Encyclopedia pulls together over 500 articles that help define and explore contemporary biochemistry, with content experts carefully chosen by the Editorial Board to assure both breadth and depth in its coverage. Editors-In-Chief William J. Lennarz and M. Daniel Lane have crafted a work that proceeds from the acknowledgement that understanding every living process-from physiology, to immunology, and genetics-is impossible without a grasp on the basic chemistry that provides its underpinning. Each article in the work provides an up-to-date snapshot of a given topic, written by experts, as well as suggestions for further readings for students and researcher wishing to go into greater depth. Available on-line via SciVerse ScienceDirect, the functionality of the Encyclopedia will provide easy linking to referenced articles, electronic searching, as well an online index and glossary to aid comprehension and searchability. This 4-volume set, thoroughly up-to-date and comprehensive, expertly captures this fast-moving field Curated by two esteemed editors-in-chief and an illustrious team of editors and contributors, representing the state of the field Suggestions for further readings offer researchers and students avenues for deeper exploration; a wide-ranging glossary aids comprehension Fully updated to meet the demands of the 21st-century surgeon, Hand and Upper Extremity, Volume 6 of Plastic Surgery, 3rd Edition, provides you with the most current knowledge and techniques hand and upper extremity plastic surgery, allowing you to offer every patient the best possible outcome. Access all the state-of-the-art know-how you need to overcome any challenge you may face and exceed your patients' expectations. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Apply the very latest advances in hand and upper extremity plastic surgery and ensure optimal outcomes with evidence-based advice from a diverse collection of world-leading authorities. Purchase this volume individually or own the entire set, with the ability to search across all six volumes online! Master the latest on all aspects of hand surgery - including pediatric and adult conditions - in one comprehensive volume. Access the most up-to-date information on nerve transfers, hand allotransplantation, functional prosthetics, and fracture fixation, presented by the original innovators themselves. Know what to look for and what results you can expect with over 1,700 photographs and illustrations. See how to perform key techniques with 57 surgical videos online. Access the complete, fully searchable contents online, download all the tables and figures, and take advantage of additional content and images at www.expertconsult.com! This textbook presents the basic elements needed to understand and engage in research in semiconductor physics. It deals with elementary excitations in bulk and low-dimensional semiconductors, including quantum wells, quantum wires and quantum dots. The basic principles underlying optical nonlinearities are developed, including excitonic and many-body plasma effects. The fundamentals of optical bistability, semiconductor lasers, femtosecond excitation, optical Stark effect, semiconductor photon echo, magneto-optic effects, as well as bulk and quantum-confined Franz-Keldysh effects are covered. The material is presented in sufficient detail for graduate students and researchers who have a general background in quantum mechanics. This is a comprehensive guide to

challenging decisions of criminal courts and public bodies in the criminal justice system using judicial review. Written by a team of criminal and public law practitioners, it considers claims for judicial review arising in the criminal justice system, which now represent a distinct area of public law. These claims are set apart by special considerations and rules; for example, on the limits of the High Court's jurisdiction or the availability of relief during ongoing proceedings. Criminal practitioners may lack the background to spot public law points. Equally, public law specialists may be unfamiliar with criminal law and types of issues that arise. Criminal Judicial Review is intended as a resource for both. The book deals with the principles, case law, remedies and, the practice and procedure for obtaining legal aid and costs. It will be of assistance to any practitioner preparing or responding to judicial review claims involving the following: - The Police and the Crown Prosecution Service. - Magistrates' courts, the Crown Court and Coroners. - Prisons and the Parole Board. - Statutory bodies such as the Independent Police Complaints Commission and the Legal Aid Agency. - Claimants who are children, young persons or have mental disorders. - The international dimension including extradition proceedings and European Union law. - Practical considerations such as CPR Part 54, remedies, legal aid and costs. From the Foreword by The Rt Hon Lord Judge "The book is offered in clear and simple style, focussing less on esoteric theoretical considerations and more on the practical needs of the practitioner. It brings together materials relating to public law with which a criminal specialist may be less well informed, and material relevant to the criminal justice processes which may not be immediately apparent to the public law specialist. It will assist with the preparation of arguments, and also enable submissions which are unarguable to be discarded. It will therefore provide valuable guidance in this broad and developing area of practice." Fully updated to meet the demands of the 21st-century surgeon, *Aesthetic Plastic Surgery, Volume 2 of Plastic Surgery, 3rd Edition*, provides you with the most current knowledge and techniques in aesthetic plastic surgery, allowing you to offer every patient the best possible outcome. Access all the state-of-the-art know-how you need to overcome any challenge you may face and exceed your patients' expectations. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Apply the very latest advances in aesthetic plastic surgery and ensure optimal outcomes with evidence-based advice from a diverse collection of world-leading authorities. Purchase this volume individually or own the entire set, with the ability to search across all six volumes online! Master the latest nonsurgical aesthetic therapies, including cosmetic skin care, Botulinum toxin treatments, soft tissue fillers, and skin resurfacing. Apply the most recent techniques in rhinoplasty, body contouring, facelift techniques, and the growing field of Asian facial cosmetic surgery. Know what to look for and what results you can expect with over 1,400 photographs and illustrations. See how to perform key techniques with 41 surgical videos online. Access the complete, fully searchable contents online, download all the tables and figures, and take advantage of additional content and images at www.expertconsult.com! The Principles and Application in Engineering Series is a new series of convenient, economical references sharply focused on particular engineering topics and subspecialties. Each volume in this series comprises chapters carefully selected from CRC's bestselling handbooks, logically organized for optimum convenience, and thoughtfully priced to fit Fully updated to meet the demands of the 21st-century surgeon, *Lower Extremity, Trunk and Burns Surgery, Volume 4 of Plastic Surgery, 3rd Edition*, provides you with the most current knowledge and techniques across your field, allowing you to offer every patient the best possible outcome. Access all the state-of-the-art know-how you need to overcome any challenge you may face and exceed your patients' expectations. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. 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Bringing together all the most important treaties and materials in international trade law, investment law, and financial law, this book will be an invaluable resource to both students and practitioners of international economic law. *Comprehensive Coordination Chemistry II (CCC II)* is the sequel to what has become a classic in the field, *Comprehensive Coordination Chemistry*, published in 1987. CCC II builds on the first and surveys new developments authoritatively in over 200 newly commissioned chapters, with an emphasis on current trends in biology, materials science and other areas of contemporary scientific interest. Fully updated to meet the demands of the 21st-century surgeon, *Plastic Surgery* provides you with all the most current knowledge and techniques across your entire field, allowing you to offer every patient the best possible outcome. Edited by Drs. Mathes and Hentz in its last edition, this six-volume plastic surgery reference now features new expert leadership, a new organization, new online features, and a vast collection of new information - delivering all the state-of-the-art know-how you need to overcome any challenge you may face. Renowned authorities provide evidence-based guidance to help you make the best clinical decisions, get the best results from each procedure, avoid complications, and exceed your patients' expectations. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Apply the very latest advances in every area of plastic surgery and ensure optimal outcomes with evidence-based advice from a diverse collection of world-leading authorities. Master the latest on stem cell therapy, tissue engineering, and inductive therapies • aesthetic surgical techniques and nonsurgical treatments • conjoined twin separation and other craniofacial surgery advances • microsurgical lymphatic reconstruction, super microsurgery, and sternal fixation • autologous lipofilling of the breast • nerve transfers in hand surgery, hand allotransplantation, and functional prosthetics • and much, much more. Easily find the answers you need with a new organization that features separate volumes covering Principles • Aesthetic • Craniofacial, Head and Neck Surgery • Lower Extremity, Trunk and Burns • Breast • and Hand and Upper Extremity, plus a more templated, user-friendly, high-yield presentation. Visualize procedures more clearly through an abundance of completely redrawn full-color illustrations and new color clinical photographs. Access the complete, fully searchable contents of each volume online, download all the tables and figures, view 160 procedural videos, and take advantage of additional content and images at www.expertconsult.com! In *General Principles of Law in Investment Arbitration*, the authors address selected general principles of law, assessing their functions in investment arbitration. The resulting picture is that of a lively source that escapes doctrinal straitjackets and maintains its relevance. Preceded by *Genomics and clinical medicine* / edited by Dhavendra Kumar. [First edition]. 2008. A clear and comprehensive introduction to the principles and practice of clinical oncology, for medical undergraduates and clinicians who want to increase their understanding of the challenges of managing patients with cancer. Including questions for self assessment by the same authors, the reader can learn and test themselves on all aspects of cancer medicine, from epidemiology, aetiology, pathogenesis and presentation, through to diagnosis, staging, management and prognosis. Fully updated to meet the demands of the 21st-century surgeon, *Principles, Volume 1 of Plastic Surgery, 3rd Edition*, provides you with the most current knowledge and techniques in the principles of plastic surgery, allowing you to offer every patient the best possible outcome. Access all the state-of-the-art know-how you need to overcome any challenge you may face and exceed your patients' expectations. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Apply the very latest advances in plastic surgery and ensure optimal outcomes with evidence-based advice from a diverse collection of world-leading authorities. Stay abreast of the latest information on business practices, stem cell therapy, and tissue engineering, and walk through the history, psychology, and core principles of reconstructive and aesthetic plastic surgery. Know what to look for and what results you can expect with over 1,000 color photographs and illustrations. Easily find the answers you need with a more templated, user-friendly, high-yield presentation. Unmanned combat air vehicles, or in common parlance 'drones', have become a prominent instrument in US efforts to counter an objective (and subjective) cross-border terrorist threat with lethal force. As a result, critical questions abound on the legitimacy of their use. In a series of multidisciplinary essays by scholars with an extensive knowledge of international norms, this book explores the question of legitimacy through the conceptual lenses of legality, morality and efficacy, it then closes with the consideration of a policy proposal aimed at incorporating all three indispensable elements. The importance of this inquiry cannot be overstated. Non-state actors fully understand that attacking the much more powerful state requires moving the conflict away from the traditional battlefield where they are at an enormous disadvantage. Those engaging in terrorism seek to goad the ruling government into an overreaction, or abuse of power, to trigger a destabilization via an erosion of its legitimacy. Thus defending the target of legitimacy "in this case, insuring the use of deadly force is constrained by valid limiting principles" represents an essential strategic interest. This book seeks to come to grips with the new reality of drone warfare by exploring if it can be used to preserve, rather than eat away at, legitimacy. After an extensive analysis of the three key parameters in twelve chapters, the practical proposition of establishing a 'Drone Court' is put forward and examined as a way of pursuing the goal of integrating these essential components to defend the citizenry and the legitimacy of the government at the same time.

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