Biopsychology International Edition Pinel

BiopsychologieModern Inorganic Synthetic ChemistryMetal-Organic FrameworksPhraseologie global - areal - regionalAdvanced Catalytic MaterialsCareers in PsychologyDiscovering the History of PsychiatryManaging Pharmaceuticals in International HealthApplied Water Science, Volume 2Biologische PsychologiePalladacyclesBiopsychologieGlobal HealthManaging Nuclear Safety and WasteLernen und GedächtnisSystematische Mehrlagen-Integration hybrider HochfrequenzschaltungenEthical Issues in Prison PsychiatryBibliography of the History of MedicineDas Janusgesicht der PsychiatrieCanadianaSustainable NanomaterialsAdvances in BiorefineriesCellulose Science and DerivativesModern Magnetic MaterialsBiomass ValorizationAdvances in Refining CatalysisNano-Materials as Photocatalysts for Degradation of Environmental PollutantsCodrin Tapu's PsychologyFoundations of BiopsychologyThe Oxford Handbook of the History of Psychology: Global PerspectivesThe Languages of PsychePsychiatrie, Psychosomatik, PsychotherapieEffective Approaches to Global Health IssuesEssentials of Global Mental HealthLebendige folkloristische Ausdrucksweisen traditioneller GemeinschaftenHydrogen Applications and TechnologiesThe Laws of ConnectionThe Routledge Handbook of Planning Research MethodsLarge Scale Network-Centric Distributed SystemsMicrostrip Filters for RF / Microwave Applications John P. J. Pinel Ruren Xu Fahmina Zafar Jarmo Korhonen Ashutosh Tiwari Tara L. Kuther Mark S. Micale Stuart Anderson Inamuddin Rainer Schandry Jairton Dupont John P. J. Pinel Mathias Bonk Great Britain: Parliament: House of Lords: European Union Committee Mark A. Gluck Torben Baras Norbert Konrad Hanfried Helmchen Imran Uddin Keith W. Waldron Arpit Sand Iuliana Stoica Davide Ravelli Deniz Uner Pardeep Singh Codrin Tapu Andrew P. Wickens David B. Baker G. S. Rousseau Hans-Jürgen Möller Manoj Sharma Samuel O. Okpaku Jana C. Schlinkert Mohammad Reza Rahimpour David Robson Elisabete A. Silva Hamid Sarbazi-Azad Jia-Sheng Hong

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biopsychologie ist ein neues interdisziplinares forschungsgebiet und ein pra1 4fungsfach fa1 4r psychologen dieses didaktisch fa1 4r studenten maageschneiderte und reich illustrierte einfa1 4hrungslehrbuch des kanadischen biopsychologen fa1 4hrt in den pra1 4fungsstoff an deutschen universitaten verstandlich und lernmotivierend ein die themenpalette umfaat viele disziplinen zunachst die biopsychologie und ihre methode als wissenschaft die anatomie des nervensystems und die funktionsweise der synapsen weiter die biopsychologischen prozesse des sehens und der wahnehmung der sensomotorik der ernahrungspsychologie der sexualitat des schlafverhaltens der plastizitat und lateralitat des gehirns der sprache und kognition der emotion und schliealich auch die funktionalen und psychischen starungen

the contributors to this book discuss inorganic synthesis reactions dealing with inorganic synthesis and preparative chemistry under specific conditions they go on to describe the synthesis preparation and assembly of six important categories of compounds with wide coverage of distinct synthetic chemistry systems

the emerging and interesting field of mof encouraged us to bring forth the book titled metal organic frameworks the book is divided into three sections section a consists of introduction section b comprises the synthesis and characterization techniques and section c is dedicated to the applications of mofs the book would be useful for scientists and researchers interested in the field of mofs

der vorliegende sammelband vereint beiträge die als plenarvorträge oder sektionsreferate auf der internationalen konferenz europhras 2008 in helsinki gehalten wurden der inhaltliche schwerpunkt der beiträge liegt auf der globalisierung verbreitung und entlehnung sowie auf dem arealen und regionalen vorkommen von phraseologismen in zahlreichen europäischen und außereuropäischen sprachen wobei sich die darlegungen auf standardsprachen mundarten und weitere sprachvarietäten beziehen der band gibt somit einblick in aktuelle forschungsrichtungen und ziele darunter in ganz neue bzw bisher weniger beachtete teilbereiche der phraseologie darüber hinaus kommen in den beiträgen auch aspekte bereits fest etablierter forschungszweige wie der kontrastiven phraseologie und der zweisprachigen phraseografie zur sprache the subject of advanced materials in catalysisbrings together recent advancements in materials synthesis and technologies to the design of novel and smart catalysts used in the field of catalysis nanomaterials in general show an important role in chemical processing as adsorbents catalysts catalyst supports and membranes and form the basis of cutting edge technology because of their unique structural and surface properties advanced catalytic materials is written by a distinguished group of contributors and the chapters provide comprehensive coverage of the current literature up to date overviews of all aspects of advanced materials in catalysis and present the skills needed for designing and synthesizing advanced materials the book also showcases many topics concerning the fast developing area of materials for catalysis and their emerging applications the book is divided into three parts nanocatalysts architecture and design organic and inorganic catalytic transformations and functional catalysis fundamentals and applications specifically the chapters discuss the following subjects environmental applications of multifunctional nanocomposite catalytic materials transformation of nanostructured functional precursors using soft chemistry graphenes in heterogeneous catalysis gold nanoparticles graphene composites material for catalytic application hydrogen generation from chemical hydrides ring opening polymerization of poly lactic acid catalytic performance of metal alkoxides cycloaddition of co2 and epoxides over reusable solid catalysts biomass derived fine chemicals using catalytic metal bio composites homoleptic metal carbonyls in organic transformation zeolites smart materials for novel efficient and versatile catalysis optimizing zeolitic catalysis for environmental remediation

careers in psychology sixth edition helps students navigate and plan for their futures by offering exposure to the rich careers in each subfield of psychology and prompting students to consider the what why and how of each option with salary insights career guidance and job search tips post graduation the authors equip students to make informed choices about their future careers

this book brings together leading international authorities physicians historians social scientists and others who explore the many complex interpretive and ideological dimensions of historical writing about psychiatry the book includes chapters on the history of the asylum freud anti psychiatry in the united states and abroad feminist interpretations of psychiatry s past and historical accounts of nazism and psychotherapy as well as discussions of many individual historical figures and movements it represents the first attempt to study comprehensively the multiple mythologies that have grown up around the history of madness and the origin functions and validity of these myths in our psychological century

one third of the world's population lack effective access to quality assured essential medicines used rationally when who first made this statement fifteen years ago there was general concern that medical miracles such as antibiotics antiparasitic medicines vaccines and anal gesics would not be available to many people today the proportion of those lack ing access is lower in asia and latin america and higher in africa but there are probably about two billion people in this situation this book describes the many problems involved and then puts together possible solutions based on country experiences in a comprehensive and coherent manner many people lack access to essential medicines

because they and their countries are poor and because of inefficiencies in their health systems we know that in low and middle income countries between 25 and 40 per cent of health expenditure is on medicines and that most of that expenditure is out of pocket often this amounts to less than us 2 per head per year in contrast high income countries spend only 8 to 15 per cent of health expenditure on medicines and this is mostly paid for by health insurance or social security funds high income country expenditure may be over us 400 per person per year so managing the scanty resources available in low income countries becomes all the more important

applied water science volume 2 the second volume in a new two volume set on applied water science this book provides understanding occurrence identification toxic effects and control of water pollutants in an aquatic environment using green chemistry protocols the high rate of industrialization around the world has led to an increase in the rate of anthropogenic activities which involve the release of different types of contaminants into the aquatic environment this generates high environmental risks which could affect health and socio economic activities if not treated properly there is no doubt that the rapid progress in improving water guality and management has been motivated by the latest developments in green chemistry over the past decade sources of water pollutants and the conventional methods used for the treatment of industrial wastewater treatment have flourished water guality and its adequate availability have been a matter of concern worldwide particularly in developing countries according to a world health organization who report more than 80 of diseases are due to the consumption of contaminated water heavy metals are highly toxic and are a potential threat to water soil and air their consumption in higher concentrations gives hazardous outcomes water quality is usually measured in terms of chemical physical biological and radiological standards the discharge of effluent by industries contains heavy metals hazardous chemicals and a high amount of organic and inorganic impurities that can contaminate the water environment and hence human health therefore it is our primary responsibility to maintain the water quality in our respective countries this book provides understanding occurrence identification toxic effects and control of water pollutants in an aquatic environment using green chemistry protocols it focuses on water remediation properties and processes including industry scale water remediation technologies this book covers recent literature on remediation technologies in preventing water contamination and its treatment chapters in this book discuss remediation of emerging pollutants using nanomaterials polymers advanced oxidation processes membranes and microalgae bioremediation etc it also includes photochemical electrochemical piezoacoustic and ultrasound techniques it is a unique reference guide for graduate students faculties researchers and industrialists working in the area of water science environmental science analytical chemistry and chemical engineering this outstanding new volume provides an in depth overview of remediation technologies in water science is written by leading experts in the field contains excellent well drafted chapters for beginners graduate students veteran engineers and other experts alike discusses current challenges and future perspectives in the field audience this book is an invaluable guide to engineers students professors scientists and r d industrial specialists working in the fields of environmental science geoscience water science physics and chemistry

from synthesis to applications in catalysis material science and biology this much needed book is the first to comprehensively present everything you need to know about palladacycles renowned international authors guarantee high quality content making this a must have for everyone working in the field

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there are many threats to global health in the 21st century newly emerging infectious diseases climate change non communicable diseases spreading among different societies and many more there is an urgent need to find answers to questions how to organize an efficient health care system how to define best practices in health policies and health politics how to ensure universal coverage for all and how to fight new and old diseases this textbook gives an introduction in this intersdisciplinary field and addresses current and imminent aspects of global health it assembles the fields of medicine health sciences political and social sciences epidemiology as well as economic and management aspects of health and addresses at both students and global health care workers

this publication contains a range of oral and written evidence taken by the committee in relation to its inquiry into the controversy surrounding a pair of draft directives known as the nuclear package which would harmonise the way eu member states ensure the safety of nuclear installations and manage spent fuel and radioactive waste it includes contributions from government ministers in defra and the dti the uk atomic energy authority euratom the health and safety executive and the nuclear decommissioning authority british nuclear fuels nirex friends of the earth and greenpeace as well as from government officials representing finland the czech republic ireland poland norway sweden lithuania and romania

dieses exzellente lehrbuch zum thema lernen und gedächtnis für das grundstudium vermittelt einen umfassenden Überblick über die forschung zu lernen und gedächtnis und die praktische bedeutung in psychologie pädagogik medizin und auch verhaltensbiologie ein buch das die wichtigsten aspekte von lernen und gedächtnis beleuchtet die psychologen pädagogen neurowissenschaftler und mediziner in forschung und praxis verstehen und im grundstudium lernen müssen elektronische schaltungen sind die basis für die moderne kommunikation deren betriebsfrequenz mit den wachsenden anforderungen ständig steigt um auch in zukunft eine grundlage für hochwertige baugruppen zu schaffen bedarf es einer ständigen weiterentwicklung der technologie die keramische mehrlagentechnologie ltcc hat in den letzten zwei jahrzehnten zunehmend an bedeutung gewonnen sie verspricht hohe flexibilität bei niedrigen initialkosten und konnte zur miniaturisierung von kommunikationssystemen bei frequenzen von wenigen gigahertz erfolgreich eingesetzt werden ein schlüssel zur reduzierung der abmessungen und zur steigerung der leistungsfähigkeit ist die integration passiver strukturen in das keramische trägermaterial um die bislang erfolgreich eingesetzte technologie ltcc auch bei sehr viel höheren frequenzen nutzbar zu machen werden in dieser arbeit drei kernpunkte behandelt

recent surveys demonstrate a high and possibly increasing prevalence of mental disorders in prisoners they have an increased risk of suffering from a mental disorder that transcends countries and diagnoses ethical dilemmas in prison psychiatry arise from resource allocation and include issues of patient choice and autonomy in an inherently coercive environment ethical conflicts may arise from the dual role of forensic psychiatrists giving raise to tensions between patient care protection of the public this book describes models and ethical issues of psychiatric healthcare in prison in several countries relevant issues are the professional medical role of a psychiatrist and or psychotherapist working in prison the involvement of psychiatrists in disciplinary or coercive measures consent to treatment the use of coercion in forcing a prisoner to undergo treatment hunger strike confidentiality the book ends with consensus guidelines concerning good practice in prison psychiatry

psychiatric work aims to benefit those who are mentally ill but it also holds a risk of adverse effects this dual face of psychiatry is seen for example in the way in which benefits and risks are often assessed in different ways by the physician from the way in which they are experienced and evaluated by the patient the aim of this volume is to develop solutions that can be understood in a complementary fashion for this tense relationship that is often described as being insolubly antagonistic using specific historically based examples oriented towards a biopsychosocial model the problem of psychiatric risk benefit considerations is clarified and the ambivalence of psychiatric work is reflected on in a constructive and critical fashion in a trialogue between psychiatry patient and society

this book brings together various topics of nanomaterials in various industrial applications to promote sustainable development practices the first part of the book describes green nanotechnology for clean energy and environmental sustainability which includes heavy metal detoxification from water wastewater remediation dye degradation and bioremediation the second part of the book covers sustainable biomedical applications of nanomaterials such as antibacterial activity and drug delivery systems which includes the toxicological as well as the antibacterial impacts that nanoparticles have on microorganisms the subsequent chapters discuss the roles of nanomaterials for sustainability in agriculture crop protection plant disease management food technology increasing the efficiency of the food industry and the textile industry the book caters to researchers and scientists who are interested in the utilization of nanomaterials to enhance sustainable

industrial practices

biorefineries are an essential technology in converting biomass into biofuels or other useful materials advances in biorefineries provides a comprehensive overview of biorefining processing techniques and technologies and the biofuels and other materials produced part one focuses on methods of optimizing the biorefining process and assessing its environmental and economic impact it also looks at current and developing technologies for producing value added materials part two goes on to explore these materials with a focus on biofuels and other value added products it considers the properties limitations and practical applications of these products and how they can be used to meet the increasing demand for renewable and sustainable fuels as an alternative to fossil fuels advances in biorefineries is a vital reference for biorefinery process engineers industrial biochemists chemists biomass waste scientists and researchers and academics in the field a comprehensive and systematic reference on the advanced biomass recovery and conversion processes used in biorefineries reviews developments in biorefining processes the wide range of value added products from biorefineries from biofuel to biolubricants and bioadhesives

cellulose and cellulose derivatives are a class of bio based materials that have attracted scientific interest due to their unique structural features and properties such as biocompatibility biodegradability and renewability they are promising candidates for applications in biomedicine pharmaceuticals electronics barrier films nanocomposites membranes and supercapacitors new resources extraction procedures and treatments are currently under development to satisfy increasing demands for cost effective and sustainable methods of manufacturing new types of cellulose nanoparticle based materials on an industrial scale this book written by an international collection of contributors in the field is a useful reference for graduate students and researchers in chemistry materials science nanoscience and green nanotechnology

this new book introduces a range of advanced topics in physics and magnetic materials science covering basic physical concepts experimental methods and applications focusing on state of the art magnetic materials the volume discusses advanced treatment of materials that can hold a magnetic field and describes recent research developments in fabrication characterization applications and more it includes several novel case studies that illustrate the large diversity of technical applications and that demonstrate the benefits of the different processing methods for the development of magnetic materials and their properties with optimized applications

explore the potential of biomass based chemicals with this comprehensive new reference from leading voices in the field with the depletion of fossil raw materials a readily ascertainable inevitability the exploitation of biomass based renewable derivatives becomes ever more practical and realistic in biomass valorization sustainable methods for the production of chemicals accomplished researchers and authors davide ravelli and chiara samori deliver a thorough compilation of state of the art techniques and most advanced strategies used to convert biomass into

useful building blocks and commodity chemicals each chapter in this collection of insightful papers begins by detailing the core components of the described technology along with a fulsome description of its advantages and limitations before moving on to a discussion of recent advancements in the field the discussions are grouped by the processed biomass such as terrestrial biomass aquatic biomass and biomass deriving waste readers will also benefit from the inclusion of a thorough introduction to the role of biomass in the production of chemicals an exploration of biomass processing via acid base and metal catalysis as well as biocatalysis a practical discussion of biomass processing via pyrolysis and thermochemical biological hybrid processes a concise treatment of biomass processing assisted by ultrasound and via electrochemical photochemical and mechanochemical means perfect for chemical engineers catalytic chemists biotechnologists and polymer chemists biomass valorization sustainable methods for the production of chemicals will also earn a place in the libraries of environmental chemists and professionals working with organometallics and natural products chemists

to meet changing market demands that have stringent emission standards and to ensure proper performance in refinery units evaluation of novel catalyst designs and results from material characterization and testing of catalysts are of crucial importance for refiners as well as for catalyst manufacturers this book highlights recent developments in the application of refinery catalysts in selected units such as fluid catalytic cracking fcc hydrogen production for hydroprocessing units hydrotreating hydrocracking and sustainable processing of biomass into biofuels

nano materials as photocatalysts for degradation of environmental pollutants challenges and possibilities contains both practical and theoretical aspects of environmental management using the processes of photodegradation and various heterogeneous catalysts the book s main focus is on the degradation of harmful pollutants such as petrochemicals crude oils dyes xenobiotic pharmaceutical waste endocrine disrupting compounds and other common pollutants chapters incorporate both theoretical and practical aspects this book is useful for undergraduate or university students teachers and researchers especially those working in areas of photocatalysis through heterogeneous catalysts the primary audience for this book includes chemical engineers environmental engineers and scientists scholars working on the management of hazardous waste scientists working in fields of materials science and civil engineers working on wastewater treatment reviews recent trends in the photodegradation of organic pollutants offers a bibliometric analysis of photocatalysis for environmental abatement includes many degradation mechanisms of organic pollutants using various catalysts includes examples on the degradation of organic pollutants from various sources e g pharmaceuticals dyes pesticides etc discusses the effect of nanocatalysts on soil plants and the ecosystem

the most concise psychology text available codrin tapu s psychology is a very brief outline of psychology and the first to integrate the presentation of mental operations their disorders and their specific biological and psychological treatments it contains essential knowledge that everybody should possess whether they seek formal training in the field or they don t however it is not written in a popular but in a scientific style psychology is a science that everybody should be acquainted with but this does not require it to abandon the scientific

language codrin tapu s book could be seen as a possible chapter in a virtual textbook of everybody s science usually introductory textbooks of psychology are packed full of research data and students having no previous knowledge of psychology find them difficult to use so this book may well serve as an introduction for those who are preparing to study college level psychology

foundations of biopsychology is an excellent introduction to a fascinating field of study up to date and comprehensive this is an ideal companion for any biopsychology student and is particularly suitable for use on a semester based course foundations of biopsychology is a lively and engaging introduction to how the brain produces behaviour the book does not assume any background knowledge in biology or psychology although academically rigorous it adopts an accessible modular format and is supported throughout by diagrams and images this edition places a strong emphasis on the historical development of the subject to help students gain a deeper understanding of the main themes in biopsychology references exciting and up to date research emphasising how the discipline is moving forward special interest boxes provide new insights into the brain in order to stimulate debate these include discussions on how einstein s brain was different the effects of navigational experience on the shape of the brain and how laughter affects the same areas of the brain as cocaine this book includes bibliographies to encourage further reading it also features search terms to help students locate further information on the internet a companion website is located at pearsoned co uk wickens this provides additional support for students and includes mind maps to bring study of the brain to life multiple choice questions to test progress an essay writing guide to assist with assignments links to relevant websites for further research dr andrew wickens lectures at the university of central lancashire in biopsychology and neuroscience front cover image coloured 3 dimensional mri scan of the white matter pathways of the brain side view credit tom barrick chris clark sghms science photo library

the science and practice of psychology has evolved around the world on different trajectories and timelines yet with a convergence on the recognition of the need for a human science that can confront the challenges facing the world today few would argue that the standard narrative of the history of psychology has emphasized european and american traditions over others but in today s global culture there is a greater need in psychology for international understanding this volume describes the historical development of psychology in countries throughout the world contributors provide narratives that examine the political and socioeconomic forces that have shaped their nations psychologies each unique story adds another element to our understanding of the history of psychology the chapters in this volume remind us that there are unique contexts and circumstances that influence the ways in which the science and practice of psychology are assimilated into our daily lives making these contexts and circumstances explicit through historical research and writing provides some promise of greater international insight as well as a better understanding of the human condition

the languages of psyche traces the dualism of mind and body during the long eighteenth century from the restoration in england to the aftermath of the french revolution ten outstanding scholars investigate the complex mind body relationship in a variety of enlightenment

contexts science medicine philosophy literature and everyday society no other recent book provides such an in depth suggestive resource for philosophers literary critics intellectual and social historians and all who are interested in enlightenment studies this title is part of uc press s voices revived program which commemorates university of california press s mission to seek out and cultivate the brightest minds and give them voice reach and impact drawing on a backlist dating to 1893 voices revived makes high quality peer reviewed scholarship accessible once again using print on demand technology this title was originally published in 1996 the languages of psyche traces the dualism of mind and body during the long eighteenth century from the restoration in england to the aftermath of the french revolution ten outstanding scholars investigate the complex mind body relationship in

das umfangreiche nachschlagewerk von möller laux und kapfhammer darf zu recht als standardwerk für psychiatrie im deutschsprachigen raum bezeichnet werden die aktuelle auflage wurde komplett überarbeitet und aktualisiert zahlreiche autoren tragen mit ihrem expertenwissen dazu bei dass sowohl Ärzte in weiterbildung als auch fachärzte für psychiatrie und psychotherapie auf alle fragen umfassende antworten erhalten insgesamt vier bände enthalten alle grundlagen der psychiatrie prinzipien der diagnostik und behandlung und selbstverständlich einen umfangreichen teil zu den einzelnen störungen von der geschichte über klassifikation diagnostik und therapie aller krankheitsbilder bis hin zu speziellen aspekten der psychiatrie finden sie hier das gesamte wissen auf aktuellem stand

effective approaches to global health issues is a comprehensive interdisciplinary book that explores diverse topics in global health it serves as a valuable resource for understanding the complexities and challenges associated with global health from various perspectives the book delves into historical contexts health indicators cultural influences behavioral factors communicable and non communicable diseases malnutrition nutritional deficiencies obesity environmental health population issues women s and children s health mental well being global health systems and emerging issues in the field it goes beyond a mere recitation of topics and provides an engaging narrative that examines the interconnectedness of global health issues this is an essential reference for students researchers and professionals involved in public health international development and related disciplines by providing a comprehensive understanding of global health issues and potential solutions this book equips readers with the knowledge and tools to address the complex challenges of global health in their respective fields presents interdisciplinary perspectives on global health problems and solutions highlights the epidemiological historical political sociological behavioral cultural and medical dimensions provides readers with a roadmap to address issues and problems confronting both developed and developing nations

mental illness accounts directly for 14 of the global burden of disease and significantly more indirectly and recent reports recognise the need to expand and improve mental health delivery on a global basis especially in low and middle income countries this text defines an approach to mental healthcare focused on the provision of evidence based cost effective treatments founded on the principles of sharing the best information about common problems and achieving international equity in coverage options and outcomes the coverage spans a diverse range of topics and defines five priority areas for the field these embrace the domains of global advocacy systems of development research progress capacity building and monitoring the book concludes by defining the steps to achieving equality of care globally this is essential reading for policy makers administrators economists and mental health care professionals and those from the allied professions of sociology anthropology international politics and foreign policy

hydrogen has wide applications across many industries including petroleum refineries hydrotreating processes and metallurgy applications in addition a number of valuable chemicals such as ammonia alcohols and acids are manufactured directly or indirectly with hydrogen hydrogen applications and technologies covers the utilization of hydrogen in petrochemical products vehicles and power generation systems as well as in refinery hydrotreating metallurgy welding annealing and the heat treating of metals describes the application of hydrogen in producing valuable chemicals in detail comprehensively discusses hydrogen utilization as an energy source covers the application of hydrogen in power generation systems and across various industries reviews hydrogen s role as an agent in chemical reactions part of the multivolume handbook of hydrogen production and applications this stand alone book guides researchers and academics in chemical environmental energy and related areas of engineering interested in development and implementation of hydrogen production technologies

this groundbreaking study reveals how social connections are far more important than we thought showing us the steps we can take to build better relationships and improve our lives social connection is as essential for our health and happiness as a balanced diet and regular exercise it reduces our risk of stroke heart disease and alzheimer s it enhances our creativity and adds years to our life span yet many of us struggle to form strong and meaningful bonds and the problem lies not with our personalities but with a series of cognitive biases that stop us from fulfilling our social potential in the laws of connection award winning science writer david robson describes the psychological barriers that lead us to keep others at a distance and offers evidence based strategies to overcome them drawing on philosophy neuroscience and cutting edge psychology robson introduces readers to new concepts such as the liking gap the novelty penalty the fast friendship procedure the beautiful mess effect and the japanese art of amae whether we are shy or confident introvert or extrovert we can all build deeper relationships the laws of connection shows us how

the routledge handbook of planning research methods is an expansive look at the traditions methods and challenges of research design and research projects in contemporary urban planning through case studies an international group of researchers planning practitioners and planning academics and educators all recognized authorities in the field provide accounts of designing and implementing research projects from different approaches and venues this book shows how to apply quantitative and qualitative methods to projects and how to take your research from the classroom to the real world the book is structured into sections focusing on beginning planning research research design and development rediscovering qualitative methods new advances in quantitative methods turning research into action with chapters written by leading scholars in spatial planning the routledge handbook of planning research methods is the most authoritative and comprehensive handbook on the topic providing both established and ground breaking coverage of spatial planning research methods the book is an invaluable resource for undergraduate and graduate level students young professionals and practitioners in urban regional and spatial planning

a highly accessible reference offering a broad range of topics and insights on large scale network centric distributed systems evolving from the fields of high performance computing and networking large scale network centric distributed systems continues to grow as one of the most important topics in computing and communication and many interdisciplinary areas dealing with both wired and wireless networks this book focuses on the design and performance issues of such systems large scale network centric distributed systems provides in depth coverage ranging from ground level hardware issues such as buffer organization router delay and flow control to the high level issues immediately concerning application or system users including parallel programming middleware and os support for such computing systems on chip part 2 pervasive ubiquitous computing and peer to peer systems part 3 wireless mobile networks part 4 grid and cloud computing part 5 other topics related to network centric computing and its applications large scale network centric distributed systems is an incredibly useful resource for practitioners postgraduate students postdocs and researchers

the first edition of microstrip filters for rf microwave applications was published in 2001 over the years the book has been well received and is used extensively in both academia and industry by microwave researchers and engineers from its inception as a manuscript the book is almost 8 years old while the fundamentals of filter circuits have not changed further innovations in filter realizations and other applications have occurred with changes in the technology and use of new fabrication processes such as the recent advances in rf mems and ferroelectric films for tunable filters the use of liquid crystal polymer lcp substrates for multilayer circuits as well as the new filters for dual band multi band and ultra wideband uwb applications although the microstrip filter remains as the main transmission line medium for these new developments there has been a new trend of using combined planar transmission line structures such as co planar waveguide cpw and slotted ground structures for novel physical implementations beyond the single layer in order to achieve filter miniaturization and better performance also over the years practitioners have suggested topics that should be added for completeness or deleted in some cases as they were not very useful in practice in view of the above the authors are proposing a revised version of the microstrip filters for rf microwave applications text and a slightly changed book title of planar filters for rf microwave applications to reflect the aforementioned trends in the revised book

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Converting 87 Inches to Feet: A Comprehensive Guide

Converting measurements from one unit to another is a fundamental skill in various fields, from construction and engineering to everyday tasks like sewing or cooking. Understanding unit conversions ensures accuracy and efficiency. This article focuses specifically on converting 87 inches to feet, a common conversion problem encountered in numerous situations, exploring the process in detail and addressing common challenges along the way.

Understanding the Relationship between Inches and Feet

The cornerstone of this conversion lies in understanding the fundamental relationship between inches and feet within the imperial system of measurement. There are 12 inches in every foot. This simple fact forms the basis for all calculations involved in converting inches to feet. This seemingly straightforward relationship can sometimes be overlooked, leading to errors in calculations. We will explore how to leverage this relationship efficiently and accurately.

Method 1: Direct Division

The most straightforward method to convert 87 inches to feet involves simple division. Since there are 12 inches in a foot, we divide the total number of inches (87) by 12: 87 inches \div 12 inches/foot = 7.25 feet Therefore, 87 inches is equal to 7.25 feet. This method is quick and efficient for simple conversions.

Method 2: Using Fractions

This method provides a deeper understanding of the conversion process. We express the conversion as a fraction: 87 inches (1 foot / 12 inches) Notice how the "inches" unit cancels out, leaving us with feet as the remaining unit. This simplifies to: 87/12 feet This fraction can be simplified: 87/12 = 7 and 3/12 feet Further simplifying the fraction 3/12, we get 1/4. Therefore, the answer is: 7 and 1/4 feet or 7.25 feet. This fractional method helps visualize the leftover inches as a fraction of a foot, enhancing understanding.

Addressing Common Challenges and Errors

Several common mistakes can arise during inch-to-foot conversions. Let's address some of them: Forgetting the conversion factor: The most frequent error is forgetting that there are 12 inches in a foot, leading to incorrect calculations. Always remember this crucial relationship. Incorrect division: Dividing the feet by the inches instead of the inches by the feet is a common mistake. Ensure you divide the total inches by 12. Improper handling of remainders: When the conversion results in a remainder (as in our example), accurately expressing this remainder as a fraction or decimal is crucial. Failing to do so leads to imprecise results. Unit inconsistency: Ensure that all measurements are in the same units before the conversion. Mixing inches and centimeters, for example, will lead to an incorrect answer.

Applying the Conversion in Practical Scenarios

The conversion of inches to feet finds numerous applications in various real-world scenarios: Construction: Determining the length of lumber, planning room dimensions, or calculating material needs. Sewing and Tailoring: Converting pattern measurements or fabric lengths. Engineering: Working with blueprints, calculating distances, and designing structures. Everyday measurements: Estimating the height of objects, determining the size of furniture, or measuring distances. In each of these contexts, accurate conversions are critical for success and avoid costly mistakes.

Conclusion

Converting 87 inches to feet, while seemingly simple, highlights the importance of understanding unit conversions and the potential pitfalls of overlooking fundamental principles. Using either direct division or the fractional method provides accurate results. By avoiding common errors and employing a systematic approach, you can confidently tackle similar conversion problems in diverse applications. Remember the crucial relationship of 12 inches per foot and always double-check your calculations.

Frequently Asked Questions (FAQs):

1. Can I convert inches to feet using a calculator? Yes, simply divide the number of inches by 12. Most calculators have a division function. 2. How do I convert feet back to inches? Multiply the number of feet by 12. 3. What if I have a measurement in inches and fractions of inches? Convert the fractional part to a decimal and then divide by 12. For example, 87 ½ inches would be 87.5 inches, then divide by 12. 4. Are there online converters for inches to feet? Yes, many websites offer free online converters for various unit conversions, including inches to feet. 5. Why is it important to be accurate in unit conversions? Inaccurate conversions can lead to errors in calculations, causing problems in various fields, from construction to engineering to manufacturing, potentially leading to wasted resources, safety hazards or project failures.

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