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DC Machines and Transformers (For GTU) Principles of Power System (LPSPE) Operating System (For GTU) Grid Technologies for E-Health: Applications for Telemedicine Services and Delivery PNR SERIES PRACTICAL WORKBOOK OF PHARMACOLOGY & TOXICOLOGY FOR DIPLOMA PHARMACY SECOND YEAR AS PER PCI & GTU SYLLABUS Elements of Mechanical Engineering(GTU) Information Access and Delivery in Health Sciences Libraries Engineering Geology (For GTU) Engineering Physics (with Practicals) (GTU), 8th Edition Mechanics of Structure (For Polytechnic Students) American Universities and Colleges Probability and Statistics Transmission & Distribution Of Electrical Power Reverse Acronyms, Initialisms, & Abbreviations Dictionary American Universities and Colleges Switchgear and Protection American Universities and Colleges [2 volumes] Electric Power Transmission and Distribution Fundamental Uncertainty Fundamentals of Tool Design, Fifth Edition Programming in Java Algorithms and Models for the Web Graph Introduction to Information Retrieval The

Geometry of Uncertainty Cyber-Physical Systems:
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Costing High Voltage Direct Current Transmission
Statistical Methods for Psychology Wind Power
Technology

the second edition of programming in java confirms to
java standard edition 7 the latest release since oracle
took over sun microsystems it is significant in the sense
that the last update was six years back and this major
release comes bundled with plenty of enhancements
which were overdue to list a few noticeable
enhancements java 7 includes support for strings in
switch statements try with resources statement
improved multi catch binary numeric literals numeric
literals with underscores new apis in nio like path and
files automatic resource management and much more

the second edition presents all these new topics with suitable examples this second edition is not just about the enhancements introduced in java 7 practically every chapter has been revisited to refine the text as much as possible with new example codes and greater topical coverage this volume addresses the subject of uncertainty from the point of view of an extended conception of rationality in particular the contributions explore the premises and implications of plausible reasoning when probabilities are non measurable or unknown and when the space of possible events is only partially identified buddhism across asia is a must read for anyone interested in the history and spread of buddhism in asia it comprises a rich collection of articles written by leading experts in their fields together the contributions provide an in depth analysis of buddhist history and transmission in asia over a period of more than 2000 years aspects examined include material culture politics economy languages and texts religious institutions practices and rituals conceptualisations and philosophy while the geographic scope of the studies extends from india to southeast asia and east asia readers knowledge of buddhism is constantly challenged by the studies presented incorporating new materials and interpretations rejecting the concept of a reified monolithic and timeless buddhism this publication

reflects the entangled dynamic and multi dimensional history of buddhism in asia over extended periods of integration development of multiple centres and european expansion which shaped the religion s regional and trans regional identities max deeg cardiff university buddhism across asia presents new research on buddhism in comprehensive spatial and temporal terms from studies on transmission networks to exegesis on doctrinal matters linguistics rituals and practices institutions buddhist libraries and the religion s interactions with political and cultural spheres as well as the society at large the volume presents an assemblage of essays of breathtaking breadth and depth the goal is to demonstrate how the transmission of buddhist ideas serves as a cultural force a lynchpin that had connected the societies of asia from past to present the volume manifests the vitality and maturity of the field of buddhist studies and for that we thank the editor and the erudite authors dorothy c wong university of virginia electric power transmission and distribution is a comprehensive text designed for undergraduate courses in power systems and transmission and distribution a part of the electrical engineering curriculum this book is designed to meet the requirements of students taking elementary courses in electric power transmission and distribution written in a simple easy to understand manner this

book introduces the reader to electrical mechanical and economic aspects of the design and construction of electric power transmission and distribution systems engineering physics has been specifically designed and written to meet the requirements of the engineering students of gtu all the topics and sub topics are neatly arranged for the students a number of assignment problems along with questions and answers have also been provided mcqs for the bridge course have been designed in such a way that the students can recollect every concept that they have read and apply easily during the examination key features detailed discussion of every topic from elementary to comprehensive level with several worked out examples a section on practicals solved question papers dec 2013 and june 2014 as per the syllabus for 2013 14 masterly s series lab manual of pharmaceuticals i for diploma pharmacy first year as per gtu pci syllabus this book describes a variety of reasons justifying the use of dc transmission as well as the basic concepts and techniques involved in the ac dc and dc ac conversion processes the knowledge of switchgear and apparatus protection plays an important role in the power system the book is structured to cover the key aspects of the course switchgear protection for undergraduate students the book starts with the discussion of basics of protective relaying the book includes comprehensive

coverage of faults and analysis of symmetrical and unsymmetrical faults the book explains the protection against overvoltage lightning arresters and power system earthing the book covers the characteristics of various types of relays such as electromagnetic relays induction type relays directional relays differential relays thermal relays frequency relays and negative sequence relays the detailed discussion of distance relays and static relays is also included in the book the book also covers the various possible faults and methods of protection of transformers generators motors busbars and transmission lines the book further explains the theory of circuit interruption and various arc interruption methods finally the book incorporates various types of circuit breakers circuit breaker ratings and testing of circuit breakers the book uses plain and lucid language to explain each topic the book provides the logical method of explaining the various complicated topics and stepwise methods to make the understanding easy each chapter is well supported with necessary illustrations and self explanatory diagrams the book explains the philosophy of the subject which makes the understanding of the concepts very clear and makes the subject more interesting through three editions cryptography theory and practice has been embraced by instructors and students alike it offers a comprehensive primer for the

subject's fundamentals while presenting the most current advances in cryptography the authors offer comprehensive in depth treatment of the methods and protocols that are vital to safeguarding the seemingly infinite and increasing amount of information circulating around the world key features of the fourth edition new chapter on the exciting emerging new area of post quantum cryptography chapter 9 new high level nontechnical overview of the goals and tools of cryptography chapter 1 new mathematical appendix that summarizes definitions and main results on number theory and algebra appendix a an expanded treatment of stream ciphers including common design techniques along with coverage of trivium interesting attacks on cryptosystems including padding oracle attack correlation attacks and algebraic attacks on stream ciphers attack on the dual ec random bit generator that makes use of a trapdoor a treatment of the sponge construction for hash functions and its use in the new sha 3 hash standard methods of key distribution in sensor networks the basics of visual cryptography allowing a secure method to split a secret visual message into pieces shares that can later be combined to reconstruct the secret the fundamental techniques cryptocurrencies as used in bitcoin and blockchain the basics of the new methods employed in messaging protocols such as signal including

deniability and diffie hellman key ratcheting for students of civil engineering the basic course on strength of materials is not enough to start their engineering career they need an advanced course like mechanics of structures to understand strength and stability of several components of civil engineering structures hence mechanics of structure is taught to all polytechnic students of civil engineering it is written in si units notations used are as per indian standard codes apart from west bengal polytechnic students of civil engineering branch it is hoped that the students of other states with similar syllabus may also find this book useful key features 100 per cent coverage of new syllabus emphasis on practice of numericals for guaranteed success in exams lucidity and simplicity maintained throughout nationally acclaimed author of over 40 books the book strictly complies with the new syllabus of gujrat technological university ahmedabad for b e first year of all braches of engineering the subject matter is presented in a graded stepwise easytofollow style each chapter includes muliplechoice questions review questions and exercises for easy recapitulation this book has been written for the students of third semester of electrical engineering of gujarat technological university gtu it would also be useful for the students of third semester of power electronics branch the book provides comprehensive

knowledge of the dc machines and transformers and has an extended summary in the form of key points to remember and a large number of solved and unsolved problems in the exercise the questions have been presented in accordance with the gtu examination pattern key features strictly as per the gtu syllabus over 125 descriptive questions examinations oriented approach includes questions of the last five years of gtu examinations the principal aim of this book is to introduce to the widest possible audience an original view of belief calculus and uncertainty theory in this geometric approach to uncertainty uncertainty measures can be seen as points of a suitably complex geometric space and manipulated in that space for example combined or conditioned in the chapters in part i theories of uncertainty the author offers an extensive recapitulation of the state of the art in the mathematics of uncertainty this part of the book contains the most comprehensive summary to date of the whole of belief theory with chap 4 outlining for the first time and in a logical order all the steps of the reasoning chain associated with modelling uncertainty using belief functions in an attempt to provide a self contained manual for the working scientist in addition the book proposes in chap 5 what is possibly the most detailed compendium available of all theories of uncertainty part ii the geometry of uncertainty is the

core of this book as it introduces the author's own geometric approach to uncertainty theory starting with the geometry of belief functions chap 7 studies the geometry of the space of belief functions or belief space both in terms of a simplex and in terms of its recursive bundle structure chap 8 extends the analysis to Dempster's rule of combination introducing the notion of a conditional subspace and outlining a simple geometric construction for Dempster's sum chap 9 delves into the combinatorial properties of plausibility and commonality functions as equivalent representations of the evidence carried by a belief function then chap 10 starts extending the applicability of the geometric approach to other uncertainty measures focusing in particular on possibility measures consonant belief functions and the related notion of a consistent belief function the chapters in part iii geometric interplays are concerned with the interplay of uncertainty measures of different kinds and the geometry of their relationship with a particular focus on the approximation problem part iv geometric reasoning examines the application of the geometric approach to the various elements of the reasoning chain illustrated in chap 4 in particular conditioning and decision making part v concludes the book by outlining a future complete statistical theory of random sets future extensions of the geometric approach and

identifying high impact applications to climate change machine learning and artificial intelligence the book is suitable for researchers in artificial intelligence statistics and applied science engaged with theories of uncertainty the book is supported with the most comprehensive bibliography on belief and uncertainty theory emerald studies in finance insurance and risk management 7b explores how ai and automation enhance the basic functions of human resource management this book constitutes the refereed proceedings of the 11th international workshop on algorithms and models for the graph waw 2014 held in beijing china in december 2014 the 12 papers presented were carefully reviewed and selected for inclusion in this volume the aim of the workshop was to further the understanding of graphs that arise from the and various user activities on the and stimulate the development of high performance algorithms and applications that exploit these graphs the workshop gathered the researchers who are working on graph theoretic and algorithmic aspects of related complex networks including social networks citation networks biological networks molecular networks and other networks arising from the internet for well over a half century american universities and colleges has been the most comprehensive and highly respected directory of four year institutions of higher education in

the united states a two volume set that choice magazine hailed as a most important resource in its november 2006 issue this revised edition features the most up to date statistical data available to guide students in making a smart yet practical decision in choosing the university or college of their dreams in addition the set serves as an indispensable reference source for parents college advisors educators and public academic and high school librarians these two volumes provide extensive information on 1 900 institutions of higher education including all accredited colleges and universities that offer at least the baccalaureate degree this essential resource offers pertinent statistical data on such topics as tuition room and board admission requirements financial aid enrollments student life library holdings accelerated and study abroad programs departments and teaching staff buildings and grounds and degrees conferred volume two of the set provides four indexes including an institutional index a subject accreditation index a levels of degrees offered index and a tabular index of summary data by state these helpful indexes allow readers to find information easily and to make comparisons among institutions effectively also contained within the text are charts and tables that provide easy access to comparative data on relevant topics this pnr series practical workbook represents all

the practicals of 2nd year diploma pharmacy of pharmacology and toxicology the experiments are designed to acquaint the student with various pharmacological and toxicological principles or concepts it includes title of experiment laboratory requirements a brief introductory material principle or theory and detailed procedure stepwise only observations results and conclusion must be noted by students which would save their time many well known procedures for preparing animals or isolated organs are explained in very simple way with proper diagrammatic representation wherever required principles of power system is a comprehensive textbook for students of engineering it also caters to the requirements of those readers who wish to increase their knowledge and gain a sound grounding in power systems as a whole twenty six chapters succinctly sum up the subject with topics such as supply and distribution systems fault calculations symmetrical and unsymmetrical voltage control fuses and circuit breakers giving the learner an understanding of the subject and an orientation to apply the knowledge gained in real world problem solving a book which has seen foreseen and incorporated changes in the subject for more than 30 years it continues to be one of the most sought after texts by the students class tested and coherent this textbook teaches classical and web information

retrieval including web search and the related areas of text classification and text clustering from basic concepts it gives an up to date treatment of all aspects of the design and implementation of systems for gathering indexing and searching documents methods for evaluating systems and an introduction to the use of machine learning methods on text collections all the important ideas are explained using examples and figures making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science based on feedback from extensive classroom experience the book has been carefully structured in order to make teaching more natural and effective slides and additional exercises with solutions for lecturers are also available through the book s supporting website to help course instructors prepare their lectures focuses on circulation interlibrary loan and document delivery and fee based services illustrating both the unique aspects of health sciences libraries and those they have in common with other libraries a text for library schools and professional training courses and a reference for librarians and administrators notes that health sciences libraries continue to take the lead in implementing new technologies and approaches annotation copyright by book news inc portland or statistical methods for psychology surveys the statistical techniques

commonly used in the behavioral and social sciences particularly psychology and education to help students gain a better understanding of the specific statistical hypothesis tests that are covered throughout the text author david howell emphasizes conceptual understanding this eighth edition continues to focus students on two key themes that are the cornerstones of this book s success the importance of looking at the data before beginning a hypothesis test and the importance of knowing the relationship between the statistical test in use and the theoretical questions being asked by the experiment new and expanded topics reflecting the evolving realm of statistical methods include effect size meta analysis and treatment of missing data important notice media content referenced within the product description or the product text may not be available in the ebook version

chemical engineering design second edition deals with the application of chemical engineering principles to the design of chemical processes and equipment revised throughout this edition has been specifically developed for the u s market it provides the latest us codes and standards including api asme and isa design codes and ansi standards it contains new discussions of conceptual plant design flowsheet development and revamp design extended coverage of capital cost estimation process costing and economics

and new chapters on equipment selection reactor design and solids handling processes a rigorous pedagogy assists learning with detailed worked examples end of chapter exercises plus supporting data and excel spreadsheet calculations plus over 150 patent references for downloading from the companion website extensive instructor resources including 1170 lecture slides and a fully worked solutions manual are available to adopting instructors this text is designed for chemical and biochemical engineering students senior undergraduate year plus appropriate for capstone design courses where taken plus graduates and lecturers tutors and professionals in industry chemical process biochemical pharmaceutical petrochemical sectors new to this edition revised organization into part i process design and part ii plant design the broad themes of part i are flowsheet development economic analysis safety and environmental impact and optimization part ii contains chapters on equipment design and selection that can be used as supplements to a lecture course or as essential references for students or practicing engineers working on design projects new discussion of conceptual plant design flowsheet development and revamp design significantly increased coverage of capital cost estimation process costing and economics new chapters on equipment selection reactor design

and solids handling processes new sections on fermentation adsorption membrane separations ion exchange and chromatography increased coverage of batch processing food pharmaceutical and biological processes all equipment chapters in part ii revised and updated with current information updated throughout for latest us codes and standards including api asme and isa design codes and ansi standards additional worked examples and homework problems the most complete and up to date coverage of equipment selection 108 realistic commercial design projects from diverse industries a rigorous pedagogy assists learning with detailed worked examples end of chapter exercises plus supporting data and excel spreadsheet calculations plus over 150 patent references for downloading from the companion website extensive instructor resources 1170 lecture slides plus fully worked solutions manual available to adopting instructors this book provides a comprehensive overview of this multi disciplinary subject which has interaction with other disciplines such as mineralogy petrology structural geology hydrogeology seismic engineering rock engineering soil mechanics geophysics remote sensing rs gis gps environmental geology etc the book operating system is an insightful work that elaborates on fundamentals as well as advanced topics of the discipline keeping the needs of

the students in mind this book offers an in depth coverage of concepts design and functions of an operating system irrespective of the hardware used with neat illustrations and examples and presentation of difficult concepts in the simplest form the aim is to make the subject crystal clear to the students and the book extremely student friendly the book caters to undergraduate students of most indian universities who would find the introductory and advanced discussions highly informative and enriching tailored as a guide for self paced learning the book equips budding system programmers with the right knowledge and expertise the topics covered include organization of the computer system communication between processes threads and multithreading models scheduling criteria and algorithms synchronization among cooperating processes deadlock situation memory management virtual memory i o system disk scheduling algorithms disk management swap space management and raid file types attributes and access methods managing files directories and disc space security and protection in computers unix and linux operating systems implementation of various os concepts in windows 2000 multiprocessor and distributed systems this comprehensive textbook now in its second edition provides engineering students with the underlying principles of different types of grid

connected renewable energy sources and in particular the detailed knowledge required to understand different types of grid connected wind power plants the text includes 260 illustrations the relevant pictures tables graphs and ample worked out examples will aid learning software based computer simulation examples of grid connected wind electric generators are provided a chapter on small wind turbine technologies is also included this book presents new findings in industrial cyber physical system design and control for various domains as well as their social and economic impacts on society industry 4 0 requires new approaches in the context of secure connections control and maintenance of cyber physical systems as well as enhancing their interaction with humans the book focuses on open issues of cyber physical system control and its usage discussing implemented breakthrough systems models programs and methods that could be used in industrial processes for the control condition assessment diagnostics prognostication and proactive maintenance of cyber physical systems further it addresses the topic of ensuring the cybersecurity of industrial cyber physical systems and proposes new reliable solutions the authors also examine the impact of university courses on the performance of industrial complexes and the organization of education for the development of cyber physical systems the book is

intended for practitioners enterprise representatives scientists students and ph d and master s students conducting research in the area of cyber physical system development and implementation in various domains first chapter deals with probability and random variable discussion cdf pdf and two dimensional random variables are discussed second chapter presents various useful probability distribution models it also presents useful statistical averages such as mean moments variance etc third chapter presents basic statistics concepts mean median mode moments variance kurtosis skewness are discussed correlation regression chebyshev inequality are also presented fourth chapter discusses formation of hypothesis tests of significance and chi square distribution last chapter presents curve fitting using straight line and second degree parabola grid technologies for e health applications for telemedicine services and delivery examines innovations to further improve medical management using grid computing a defining collection of field advancements this publication discusses the significance of automation and it resources in healthcare technology previously infeasible due to computing and data integration constraints examining the full scope of digital signal processing in the biomedical field this guide provides the basics of digital signal processing as well as c

language programs for designing and implementing simple digital filers the creation of a fifth edition is proof of the continuing vitality of the book's contents including tool design and materials jigs and fixtures workholding principles die manipulation inspection gaging and tolerances computer hardware and software and their applications joining processes and pressworking tool design to stay abreast of the newer developments in design and manufacturing every effort has been made to include those technologies that are currently finding applications in tool engineering for example sections on rapid prototyping hydroforming and simulation have been added or enhanced the basic principles and methods discussed in fundamentals of tool design can be used by both students and professionals for designing efficient tools this book discusses several mechanical and material problems that are typical for gas turbine components it discusses accelerated tests and other methods for increasing the reliability of gas turbine engines special attention is given to non traditional methods for calculating the strength characteristics and longevity of the main components this first volume focuses on the selection of materials deformation and destruction mechanisms in connection with stationary and non stationary loading and types of material damage such as the thermal fatigue particular attention is paid to the

issues of the properties of single crystal alloys the relationship between structure and properties the influence of technological factors and long term operation the characteristics of creep resistance crack resistance and resistance to cyclic deformation of different alloys are given the book covers basic concepts such as random experiments probability axioms conditional probability and counting methods single and multiple random variables discrete continuous and mixed as well as moment generating functions characteristic functions random vectors and inequalities limit theorems and convergence introduction to bayesian and classical statistics random processes including processing of random signals poisson processes discrete time and continuous time markov chains and brownian motion simulation using matlab and r

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