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*GB/T-2016, GB-2016 -- Chinese National Standard PDF-English, Catalog (year 2016)* - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2016.

**Chemical Engineering Design** - Gavin Towler 2012-01-25

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

**Engineering Project Management** - Neil G. Siegel 2020-02-18

A hands-on guide for creating a winning engineering project Engineering Project Management is a practical, step-by-step guide to project management for engineers. The author - a successful, long-time practicing engineering project manager - describes the techniques and strategies for creating a successful engineering project. The book introduces engineering projects and their management, and then proceeds stage-by-stage through the engineering life-cycle project, from requirements, implementation, to phase-out. The book offers information for understanding the needs of the end user of a product and other stakeholders associated with a project, and is full of techniques based on real, hands-on management of engineering projects. The book starts by explaining how we perform the actual engineering on projects; the techniques for project management contained in the rest of the book use those engineering methods to create superior management techniques. Every topic - from developing a work-breakdown structure and an effective project plan, to creating credible predictions for schedules and

costs, through monitoring the progress of your engineering project - is infused with actual engineering techniques, thereby vastly increasing the effectivity and credibility of those management techniques. The book also teaches you how to draw the right conclusions from numeric data and calculations, avoiding the mistakes that often cause managers to make incorrect decisions. The book also provides valuable insight about what the author calls the social aspects of engineering project management: aligning and motivating people, interacting successfully with your stakeholders, and many other important people-oriented topics. The book ends with a section on ethics in engineering. This important book: Offers a hands-on guide for developing and implementing a project management plan Includes background information, strategies, and techniques on project management designed for engineers Takes an easy-to-understand, step-by-step approach to project management Contains ideas for launching a project, managing large amount of software, and tips for ending a project Structured to support both undergraduate and graduate courses in engineering project management, Engineering Project Management is an essential guide for managing a successful project from the idea phase to the completion of the project.

*GB/T-2018, GB-2018 -- Chinese National Standard PDF-English, Catalog (year 2018)* - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2018.

**Isolation and Switching** - Institution of Electrical Engineers 2002

A guide to electrical isolation and switching. It is part of a series of manuals designed to amplify the particular requirements of a part of the 16th Edition Wiring Regulations. Each of the guides is extensively cross-referenced to the Regulations thus providing easy access. Some Guidance Notes contain information not included in the 16th Edition but which was included in earlier editions of the IEE Wiring Regulations. All the guides have been updated to align with BS 7671:2001.

**Electrical Engineering 101** - Darren Ashby 2011-10-13

Electrical Engineering 101 covers the basic theory and practice of electronics, starting by answering the question "What is electricity?" It goes on to explain the fundamental principles and components, relating them constantly to real-world examples. Sections on tools and troubleshooting give engineers deeper understanding and the know-how to create and maintain their own electronic design projects. Unlike other books that simply describe electronics and provide step-by-step build instructions, EE101 delves into how and why electricity and electronics work, giving the reader the tools to take their electronics education to the next level. It is written in a down-to-earth style and explains jargon, technical terms and schematics as they arise. The author builds a genuine understanding of the fundamentals and shows how they can be applied to a range of engineering problems. This third edition includes more real-world examples and a glossary of formulae. It contains new coverage of: Microcontrollers FPGAs Classes of components Memory (RAM, ROM, etc.) Surface mount High speed design Board layout Advanced digital electronics (e.g. processors) Transistor circuits and circuit design Op-amp and logic circuits Use of test equipment Gives readers a simple explanation of complex concepts, in terms they can understand and relate to everyday life. Updated content throughout and new material on the latest technological advances. Provides readers with an invaluable set of tools and references that they can use in their everyday work.

**GB/T-2013, GB-2013 -- Chinese National Standard PDF-English, Catalog (year 2013)** - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2013.

**GB/T-2004, GB-2004 -- Chinese National Standard PDF-English, Catalog (year 2004)** - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2004.

**Aircraft Design Projects** - Lloyd R. Jenkinson 2003-04-28

Written with students of aerospace or aeronautical engineering firmly in

mind, this is a practical and wide-ranging book that draws together the various theoretical elements of aircraft design - structures, aerodynamics, propulsion, control and others - and guides the reader in applying them in practice. Based on a range of detailed real-life aircraft design projects, including military training, commercial and concept aircraft, the experienced UK and US based authors present engineering students with an essential toolkit and reference to support their own project work. All aircraft projects are unique and it is impossible to provide a template for the work involved in the design process. However, with the knowledge of the steps in the initial design process and of previous experience from similar projects, students will be freer to concentrate on the innovative and analytical aspects of their course project. The authors bring a unique combination of perspectives and experience to this text. It reflects both British and American academic practices in teaching aircraft design. Lloyd Jenkinson has taught aircraft design at both Loughborough and Southampton universities in the UK and Jim Marchman has taught both aircraft and spacecraft design at Virginia Tech in the US. \* Demonstrates how basic aircraft design processes can be successfully applied in reality \* Case studies allow both student and instructor to examine particular design challenges \* Covers commercial and successful student design projects, and includes over 200 high quality illustrations

*GB/T-2009, GB-2009 -- Chinese National Standard PDF-English, Catalog (year 2009)* - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2009.

**GB/T-2015, GB-2015 -- Chinese National Standard PDF-English, Catalog (year 2015)** - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2015.

**GB/T-2010, GB-2010 -- Chinese National Standard PDF-English, Catalog (year 2010)** - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2010.

*GB/T-2001, GB-2001 -- Chinese National Standard PDF-English, Catalog (year 2001)* - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2001.

*GB/T-2022, GB-2022 -- Chinese National Standard PDF-English, Catalog (year 2022)* - <https://www.chinesestandard.net> 2022-06-02

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2022.

*Innovations in Electrical and Electronic Engineering* - Saad Mekhilef 2021-05-24

This book presents selected papers from the 2021 International Conference on Electrical and Electronics Engineering (ICEEE 2020), held on January 2-3, 2021. The book focuses on the current developments in various fields of electrical and electronics engineering, such as power generation, transmission and distribution; renewable energy sources and technologies; power electronics and applications; robotics; artificial intelligence and IoT; control, automation and instrumentation; electronics devices, circuits and systems; wireless and optical communication; RF and microwaves; VLSI; and signal processing. The book is a valuable resource for academics and industry professionals alike.

**What Every Electrical Engineering Student Must Know** - Ali Alqaraghuli 2020-09-18

A step-by-step guide for electrical engineering students.

*Art of Doing Science and Engineering* - Richard R. Hamming 2003-12-16

Highly effective thinking is an art that engineers and scientists can be taught to develop. By presenting actual experiences and analyzing them as they are described, the author conveys the developmental thought processes employed and shows a style of thinking that leads to successful results is something that can be learned. Along with spectacular successes, the author also conveys how failures contributed to shaping the thought processes. Provides the reader with a style of thinking that will enhance a person's ability to function as a problem-solver of complex technical issues. Consists of a collection of stories about the author's participation in significant discoveries, relating how those discoveries came about and, most importantly, provides analysis about the thought processes and reasoning that took place as the author and his associates progressed through engineering problems.

**GB/T-2021, GB-2021 -- Chinese National Standard PDF-English, Catalog (year 2021)** - <https://www.chinesestandard.net> 2022-06-02

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2021.

*GB/T-2017, GB-2017 -- Chinese National Standard PDF-English, Catalog*

*(year 2017)* - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2017.

*GB/T-2006, GB-2006 -- Chinese National Standard PDF-English, Catalog (year 2006)* - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2006.

*GB/T-2008, GB-2008 -- Chinese National Standard PDF-English, Catalog (year 2008)* - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2008.

*Statistics and Probability for Engineering Applications* - William DeCoursey 2003-05-14

Statistics and Probability for Engineering Applications provides a complete discussion of all the major topics typically covered in a college engineering statistics course. This textbook minimizes the derivations and mathematical theory, focusing instead on the information and techniques most needed and used in engineering applications. It is filled with practical techniques directly applicable on the job. Written by an experienced industry engineer and statistics professor, this book makes learning statistical methods easier for today's student. This book can be read sequentially like a normal textbook, but it is designed to be used as a handbook, pointing the reader to the topics and sections pertinent to a particular type of statistical problem. Each new concept is clearly and briefly described, whenever possible by relating it to previous topics. Then the student is given carefully chosen examples to deepen understanding of the basic ideas and how they are applied in engineering. The examples and case studies are taken from real-world engineering problems and use real data. A number of practice problems are provided for each section, with answers in the back for selected problems. This book will appeal to engineers in the entire engineering spectrum (electronics/electrical, mechanical, chemical, and civil engineering); engineering students and students taking computer science/computer engineering graduate courses; scientists needing to use applied statistical methods; and engineering technicians and technologists. \* Filled with practical techniques directly applicable on the job \* Contains hundreds of solved problems and case studies, using real data sets \* Avoids unnecessary theory

*Electronic Circuit Design* - T. H. O'Dell 1988-09-15

The theme of this new textbook is the practical element of electronic circuit design. Dr O'Dell, whilst recognising that theoretical knowledge is essential, has drawn from his many years of teaching experience to produce a book which emphasises learning by doing throughout. However, there is more to circuit design than a good theoretical foundation coupled to design itself. Where do new circuit ideas come from? This is the topic of the first chapter, and the discussion is maintained throughout the following eight chapters which deal with high and low frequency small signal circuits, opto-electronic circuits, digital circuits, oscillators, translinear circuits, and power amplifiers. In each chapter, one or more experimental circuits are described in detail for the reader to construct, a total of thirteen project exercises in all. The final chapter draws some conclusions about the fundamental problem of design in the light of the circuits that have been dealt with in the book. The book is intended for use alongside a foundation text on the theoretical basis of electronic circuit design. It is written not only for undergraduate students of electronic engineering but also for the far wider range of reader in the hard or soft sciences, in industry or in education, who have access to a simple electronics laboratory.

*GB/T-2020, GB-2020 -- Chinese National Standard PDF-English, Catalog (year 2020)* - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2020.

**GB/T-2007, GB-2007 -- Chinese National Standard PDF-English, Catalog (year 2007)** - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2007.

**Video Codec Design** - Iain E. Richardson 2002-05-22

Video compression coding is the enabling technology behind a new wave of communication applications. From streaming internet video to broadcast digital television and digital cinema, the video codec is a key building block for a host of new multimedia applications and services. Video Codec Design sets out to de-mystify the subject of video coding and present a practical, design-based approach to this emerging field. Featuring: \* Guidance on the practical design and implementation of video coding technology. \* Explanation of the major video coding

standards, including MPEG-2, MPEG-4, H.263 and H.26L. \* Detailed coverage of key video coding techniques and core algorithms. \* Examination of critical design issues including transmission, Quality of Service and processing platforms. \* A wealth of illustrations and practical examples, including quantitative comparisons of design alternatives. Video Codec Design provides communications engineers, system designers, researchers and technical managers with an essential handbook to image and video compression technology. The clear presentation and emphasis on real-life examples make this book an excellent teaching tool for computer science and electronic engineering instructors.

GB/T-2014, GB-2014 -- Chinese National Standard PDF-English, Catalog (year 2014) - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2014.

*Lessons in Electric Circuits: An Encyclopedic Text & Reference Guide (6 Volumes Set)* - Tony R. Kuphaldt 2011

GB/T-2019, GB-2019 -- Chinese National Standard PDF-English, Catalog (year 2019) - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2019.

**Occupational Outlook Handbook** - United States. Bureau of Labor Statistics 1976

**71 Electrical & Electronic Projects** - Shukla Nikhil 2014-09-10

This book is ideal for high school & engineering students as well as hobbyists who have just started out building projects in Electrical and Electronics fields. The book starts with electrical and electronics fundamentals necessary for execution of projects. The basic knowledge is introduced first followed by a schematic diagram, components list and the theory behind the project to be performed is given. The projects have been divided into three segments corresponding to beginners, intermediate and engineering levels. The materials required to build the projects are commonly available at the corner shop and are less expensive than you think. Features Ideal for beginners, high school (intermediate), engineering students and hobbyists Useful for knowing basics of electronic components, circuit, and home lab setup. Practical for doing projects at home or school laboratory

GB/T-2011, GB-2011 -- Chinese National Standard PDF-English, Catalog (year 2011) - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2011.

**Handbook of Electrical Engineering** - Alan L. Sheldrake 2016-06-22

A practical treatment of power system design within the oil, gas, petrochemical and offshore industries. These have significantly different characteristics to large-scale power generation and long distance public utility industries. Developed from a series of lectures on electrical power systems given to oil company staff and university students, Sheldrake's work provides a careful balance between sufficient mathematical theory and comprehensive practical application knowledge. Features of the text include: Comprehensive handbook detailing the application of electrical engineering to the oil, gas and petrochemical industries Practical guidance to the electrical systems equipment used on off-shore production platforms, drilling rigs, pipelines, refineries and chemical plants Summaries of the necessary theories behind the design together with practical guidance on selecting the correct electrical equipment and systems required Presents numerous 'rule of thumb' examples enabling quick and accurate estimates to be made Provides worked examples to demonstrate the topic with practical parameters and data Each chapter contains initial revision and reference sections prior to concentrating on the practical aspects of power engineering including the use of computer modelling Offers numerous references to other texts, published papers and international standards for guidance and as sources of further reading material Presents over 35 years of experience in one self-contained reference Comprehensive appendices include lists of abbreviations in common use, relevant international standards and conversion factors for units of measure An essential reference for electrical engineering designers, operations and maintenance engineers and technicians.

*Fundamentals of Electrical Engineering* - Leonard S. Bobrow 1996

Divided into four parts: circuits, electronics, digital systems, and electromagnetics, this text provides an understanding of the fundamental principles on which modern electrical engineering is based. It is suitable for a variety of electrical engineering courses, and can also be used as a text for an introduction to electrical engineering.

GB/T-2005, GB-2005 -- Chinese National Standard PDF-English, Catalog (year 2005) - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2005.

**Project Management** - Harold Kerzner 2013-01-22

A new edition of the most popular book of project management case studies, expanded to include more than 100 cases plus a "super case" on the Iridium Project Case studies are an important part of project management education and training. This Fourth Edition of Harold Kerzner's Project Management Case Studies features a number of new cases covering value measurement in project management. Also included is the well-received "super case," which covers all aspects of project management and may be used as a capstone for a course. This new edition: Contains 100-plus case studies drawn from real companies to illustrate both successful and poor implementation of project management Represents a wide range of industries, including medical and pharmaceutical, aerospace, manufacturing, automotive, finance and banking, and telecommunications Covers cutting-edge areas of construction and international project management plus a "super case" on the Iridium Project, covering all aspects of project management Follows and supports preparation for the Project Management Professional (PMP®) Certification Exam Project Management Case Studies, Fourth Edition is a valuable resource for students, as well as practicing engineers and managers, and can be used on its own or with the new Eleventh Edition of Harold Kerzner's landmark reference, Project Management: A Systems Approach to Planning, Scheduling, and Controlling. (PMP and Project Management Professional are registered marks of the Project Management Institute, Inc.)

Adobe® Acrobat® and PDF for Architecture, Engineering, and Construction - Tom Carson 2006-04-26

Applied Acrobat for Engineers is the first and only book to be written specifically to give engineers the skills that they need to use pdfs and Adobe Acrobat in engineering applications. Teaches the use of PDF in communication and archiving of complex documents with a specific slant towards various engineering disciplines and the related areas of architecture and construction management Better document control reduces project review and approval times Uses the progressive treatment of a sample project, throughout the book, to explain and illustrate the application of Acrobat techniques Encourages easier interaction with clients and regulatory agencies by employing a completely searchable document format which is available to all

**Engineering** - Unesco 2010-01-01

This report reviews engineering's importance to human, economic, social and cultural development and in addressing the UN Millennium Development Goals. Engineering tends to be viewed as a national issue, but engineering knowledge, companies, conferences and journals, all demonstrate that it is as international as science. The report reviews the role of engineering in development, and covers issues including poverty reduction, sustainable development, climate change mitigation and adaptation. It presents the various fields of engineering around the world and is intended to identify issues and challenges facing engineering, promote better understanding of engineering and its role, and highlight ways of making engineering more attractive to young people, especially women.--Publisher's description.

GB/T-2012, GB-2012 -- Chinese National Standard PDF-English, Catalog (year 2012) - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2012.

Electrical Power Engineering Reference & Applications Handbook - K.C.Agrawal 2020-11-10

SOME UNIQUE FEATURES Special thrust on energy conservation, pollution control and space saving in consonance with the latest global requirements • Special Coverage on earthquake engineering and tsunami Seismic testing of critical machines . In all there are 32 Chapters and 2 Appendices. Each chapter is very interesting and full of rare Information . The book contains 5 parts and each part is a mini-encyclopedia on the subjects covered • Many topics are research work of the author and may have rare information not available in most works available in the market. Tables of all relevant and equivalent Standards IEC, BS, ANSI, NEMA, IEEE and IS at the end of each chapter is a rare feature APPLICATIONS OF THE HANDBOOK For professionals and practising engineers: As a reference handbook for all professionals and practising engineers associated with design, engineering, production, quality assurance, protection and testing. • Project engineering, project design and project Implementation A very useful book for every industry for selection, Installation and maintenance

of electrical machines. . For practising engineers. It would be like keeping a gospel by their sides. For Inhouse training programmes: . Unique handbook for inhouse training courses for Industries, power generating, transmission and distribution organizations For students and research scholars : As a reference textbook for all electrical engineering students in the classrooms and during practical training. It can bridge the gap between the theory of the classroom and the practice in the field. A highly recommended book for all engineering colleges worldwide, right from 1st

year through final year. It will prove to be a good guide during higher studies and research activities Subjects like Earthquake Engineering, Intelligent Switchgears, SCADA Power Systems, Surges. Temporary Over Voltage, Surge Protection, Reactive Power Control and Bus Systems etc. are some pertinent topics that can form the basis of their higher studies and research work . The book shall help in technological and product development and give a fresh Impetus to R&D.