

Circuits Devices And Systems 5th Edition Ralph J Smith Richard C

RECOGNIZING THE PRETENSION WAYS TO ACQUIRE THIS BOOK **CIRCUITS DEVICES AND SYSTEMS 5TH EDITION RALPH J SMITH RICHARD C** IS ADDITIONALLY USEFUL. YOU HAVE REMAINED IN RIGHT SITE TO BEGIN GETTING THIS INFO. ACQUIRE THE CIRCUITS DEVICES AND SYSTEMS 5TH EDITION RALPH J SMITH RICHARD C JOIN THAT WE FIND THE MONEY FOR HERE AND CHECK OUT THE LINK.

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DASAR TEKNIK ELEKTRO JILID 2 - BUDIONO MISMAIL 2011-11-01
SEJARAH PERKEMBANGAN ELEKTRONIKA MERUPAKAN CERITA YANG MENARIK SEJAK ABAD YANG LALU. PERKEMBANGANNYA DIAWALI DENGAN PENGAMATAN PADA SINAR KATODE DAN BERKEMBANG DENGAN BERBAGAI SUMBANGAN DARI PARA MATEMATIKAWAN, FISIKAWAN, INSINYUR, DAN PARA PENCIPTA. BUKU INI DISUSUN UNTUK MENUNJANG MATA KULIAH DASAR TEKNIK ELEKTRO YANG DIBERIKAN DI PERGURUAN TINGGI TINGKAT AKADEMI DAN SASTRA SATU. SISTEMATIKANYA MENDEKATI SILABUS BAKU UNTUK PROGRMA PENDIDIKAN TEKNIK ELEKTRO SASTRA SATU YANG

DISUSUN OLEH KONSORSIUM TEKNOLOGI, DEPARTEMEN PENDIDIKAN DAN KEBUDAYAAN. BUKU INI MERUPAKAN BUKU ACUAN YANG DISUSUN SEJAUH MUNGKIN MENGIKUTI PERKEMBANGAN PENERAPAN TEKNIK ELEKTRO DI INDONESIA. BERDASARKAN PERTIMBANGAN PRAKTIS BAGI PEMAKAI DAN AGAR HARGANYA TERJANGKAU, BUKU INI SENGAJA DITERBITKAN DALAM TIGA JILID. BUKU INI DIAWALI DENGAN TINJAUAN TENTANG SEJARAH TEKNIK ELEKTRO, RANGKAIAN LISTRIK DAN PENGANTAR ELEKTRONIKA DASAR. BUKU KEDUA AKAN MEMBAHAS KELANJUTAN TEKNIK ELEKTRONIKA DAN SISTEM TENAGA LISTRIK YANG BERAKHIR PADA

TRANSFORMATOR. BUKU KETIGA MENGURAIKAN PRINSIP ELEKTROMEKANIKA DAN MESIN-MESIN BERPUTAR. BUKU KETIGA JUGA MEMPERKENALKAN KONSEP SISTEM, SISTEM INSTRUMENTASI, SISTEM KENDALI OTOMATIS, SISTEM KOMUNIKASI, DAN DI AKHIRI DENGAN MASALAH KESELAMATAN DAN KESELAMATAN DAN KESEHATAN KERJA. PENDEKATAN YANG DITEMPUH ADALAH MENUMBUHKAN PROSES BAGI MAHASISWA UNTUK MENGENAL, MENGENAL, MENGHARGAI, DAN MEMAHAMI MASALAH-MASALAH YANG AKAN DIHADAPI DALAM TEKNIK ELEKTRO. UNTUK MENCAPAI TUJUAN TERSEBUT, INTUISI KADANG-KADANG LEBIH PENTING DARIPADA ANALISIS MATEMATIKA, TETAPI SEPERTI HALNYA TEORI DENGAN PRAKTIKUM, KEDUANYA ERAT BERKAITAN; TIDAK MUNGKIN KITA MENINGGALKAN SALAH SATU. BAHANNYA PUN DISASJIKAN BEGITU RUPA AGAR MUDAH DIPAHAMI MAHASISWA TAHUN PERTAMA SETELAH MEREKA MENDAPAT PENGETAHUAN FISIKA DAN MATEMATIKA DARI SEKOLAH MENENGAH ATAS. SETIAP BAB DALAM BUKU INI DIAWALI DENGAN PENDAHULUAN DAN TUJUAN INSTRUKSIONAL BAB YANG BERSANGKUTAN. DALAM SETIAP BAB DIBERIKAN CONTOH-CONTOH YANG DIPERLUKAN UNTUK MENINGKATKAN PEMAHAMAN PEMBACA TENTANG MASALAH YANG DIBAHAS. DI AKHIR BAB SELALU DIBERIKAN SOAL-SOAL UNTUK DIKERJAKAN SEBAGAI LATIHAN. BUKU INI TIDAK MEMERLUKAN PRASYARAT APA-APA BAGI MAHASISWA TEKNIK,

SEHINGGA DAPAT DIBERIKAN PADA TAHUN PERTAMA DI PERGURUAN TINGGI. STANDARD HANDBOOK OF PETROLEUM & NATURAL GAS ENGINEERING - WILLIAM C. LYONS 1996
PETROLEUM ENGINEERING NOW HAS ITS OWN TRUE CLASSIC HANDBOOK THAT REFLECTS THE PROFESSION'S STATUS AS A MATURE MAJOR ENGINEERING DISCIPLINE. FORMERLY TITLED THE PRACTICAL PETROLEUM ENGINEER'S HANDBOOK, BY JOSEPH ZABA AND W.T. DOHERTY (EDITORS), THIS NEW, COMPLETELY UPDATED TWO-VOLUME SET IS EXPANDED AND REVISED TO GIVE PETROLEUM ENGINEERS A COMPREHENSIVE SOURCE OF INDUSTRY STANDARDS AND ENGINEERING PRACTICES. IT IS PACKED WITH THE KEY, PRACTICAL INFORMATION AND DATA THAT PETROLEUM ENGINEERS RELY UPON DAILY. THE RESULT OF A FIFTEEN-YEAR EFFORT, THIS HANDBOOK COVERS THE GAMUT OF OIL AND GAS ENGINEERING TOPICS TO PROVIDE A RELIABLE SOURCE OF ENGINEERING AND REFERENCE INFORMATION FOR ANALYZING AND SOLVING PROBLEMS. IT ALSO REFLECTS THE GROWING ROLE OF NATURAL GAS IN INDUSTRIAL DEVELOPMENT BY INTEGRATING NATURAL GAS TOPICS THROUGHOUT BOTH VOLUMES. MORE THAN A DOZEN LEADING INDUSTRY EXPERTS-ACADEMIA AND INDUSTRY- CONTRIBUTED TO THIS TWO-VOLUME SET TO PROVIDE THE BEST, MOST COMPREHENSIVE SOURCE OF PETROLEUM ENGINEERING INFORMATION AVAILABLE. *DASAR TEKNIK ELEKTRO JILID 3* - PROF. IR. BUDIONO MISMAIL, M.S.E.E., PH.D.

2011-05-18

BUKU INI DISUSUN UNTUK MENUNJANG MATA KULIAH DASAR TEKNIK ELEKTRO YANG DIBERIKAN DI PERGURUAN TINGGI TINGKAT AKADEMI DAN STRATA SATU. SISTEMATIKANYA MENDEKATI SILABUS BAKU UNTUK PROGRAM PENDIDIKAN TEKNIK ELEKTRO STRATA SATU YANG DISUSUN OLEH KONSORSIUM TEKNOLOGI, DEPARTEMEN PENDIDIKAN DAN KEBUDAYAAN. BUKU INI MERUPAKAN BUKU ACUAN YANG DISUSUN SEJAUH MUNGKIN MENGIKUTI PERKEMBANGAN PENERAPAN TEKNIK ELEKTRO DI INDONESIA. BERDASARKAN PERTIMBANGAN PRAKTIS BAGI PEMAKAI DAN AGAR HARGANYA TERJANGKAU, BUKU INI SENGAJA DITERBITKAN DALAM TIGA JILID. BUKU INI DIAWALI DENGAN TINJAUAN TENTANG SEJARAH TEKNIK ELEKTRO, RANGKAIAN LISTRIK DAN PENGANTAR ELEKTRONIKA DASAR. BUKU KEDUA AKAN MEMBAHAS KELANJUTAN TEKNIK ELEKTRONIKA DAN SISTEM TENAGA LISTRIK YANG BERAKHIR PADA TRANSFORMATOR. BUKU KETIGA MENGURAIKAN PRINSIP ELEKTROMEKANIKA DAN MESIN-MESIN BERPUTAR. BUKU KETIGA JUGA MEMPERKENALKAN KONSEP SISTEM, SISTEM INSTRUMENTASI, SISTEM KENDALI OTOMATIS, SISTEM KOMUNIKASI, DAN DIAKHIRI DENGAN MASALAH KESELAMATAN DAN KESEHATAN KERJA. PENDEKATAN YANG DITEMPUH ADALAH MENUMBUHKAN PROSES BAGI MAHASISWA UNTUK MENGENAL, MENGHARGAI, DAN MEMAHAMI MASALAH-MASALAH YANG AKAN DIHADAPI DALAM TEKNIK ELEKTRO. UNTUK MENCAPAI TUJUAN TERSEBUT,

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THE BRITISH NATIONAL BIBLIOGRAPHY
- ARTHUR JAMES WELLS 2000

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HANDBOOK OF ELECTRIC POWER CALCULATIONS, FOURTH EDITION - H. WAYNE BEATY 2015-06-01
PUBLISHER'S NOTE: PRODUCTS PURCHASED FROM THIRD PARTY SELLERS ARE NOT GUARANTEED BY THE PUBLISHER FOR QUALITY, AUTHENTICITY, OR ACCESS TO ANY ONLINE ENTITLEMENTS INCLUDED WITH THE PRODUCT. FULLY REVISED TO INCLUDE CALCULATIONS NEEDED FOR THE LATEST TECHNOLOGIES, THIS ESSENTIAL TOOL FOR ELECTRICAL ENGINEERS AND TECHNICIANS PROVIDES

THE STEP-BY-STEP PROCEDURES REQUIRED TO SOLVE A WIDE ARRAY OF ELECTRIC POWER PROBLEMS. THE NEW EDITION OF THE HANDBOOK OF ELECTRIC POWER CALCULATIONS IS UPDATED TO ADDRESS SIGNIFICANT NEW CALCULATION PROBLEMS AND THE TECHNOLOGICAL DEVELOPMENTS THAT HAVE OCCURRED SINCE PUBLICATION OF THE THIRD EDITION OF THE BOOK IN 2000. THIS FULLY REVISED RESOURCE PROVIDES ELECTRIC POWER ENGINEERS AND TECHNICIANS WITH A COMPLETE PROBLEM-SOLVING PACKAGE THAT MAKES IT EASY TO FIND AND USE THE RIGHT CALCULATION. THE BOOK COVERS THE ENTIRE SPECTRUM OF ELECTRICAL ENGINEERING, INCLUDING: BATTERIES; COGENERATION; ELECTRIC ENERGY ECONOMICS; GENERATION; INSTRUMENTATION; LIGHTING DESIGN; MOTORS AND GENERATORS; NETWORKS; TRANSMISSION. EACH SECTION CONTAINS A CLEAR STATEMENT OF THE PROBLEM, THE STEP-BY-STEP CALCULATION PROCEDURE, GRAPHS AND ILLUSTRATIONS TO CLARIFY THE PROBLEM, AND SI AND USCS EQUIVALENTS. BRAND-NEW CHAPTER ON THREE-PHASE REACTIVE POWER IN ALTERNATING-CURRENT (AC) TRANSMISSION SYSTEMS NEW—NOW INCLUDES RELEVANT INDUSTRY STANDARDS (NEMA, IEEE, ETC.) LISTED AT THE END OF EACH SECTION PROVIDES PRACTICAL, READY-TO-USE CALCULATIONS WITH A MINIMUM OF EMPHASIS ON THEORY

CIRCUITS, DEVICES, AND SYSTEMS - RALPH J. SMITH 1966

INTRODUCTION TO ELECTRIC CIRCUITS - RICHARD C. DORF 2010-01-07

THE CENTRAL THEME OF INTRODUCTION TO ELECTRIC CIRCUITS IS THE CONCEPT THAT ELECTRIC CIRCUITS ARE A PART OF THE BASIC FABRIC OF MODERN TECHNOLOGY. GIVEN THIS THEME, THIS BOOK ENDEAVORS TO SHOW HOW THE ANALYSIS AND DESIGN OF ELECTRIC CIRCUITS ARE INSEPARABLY INTERTWINED WITH THE ABILITY OF THE ENGINEER TO DESIGN COMPLEX ELECTRONIC, COMMUNICATION, COMPUTER AND CONTROL SYSTEMS AS WELL AS CONSUMER PRODUCTS. THIS BOOK IS DESIGNED FOR A ONE-TO THREE-TERM COURSE IN ELECTRIC CIRCUITS OR LINEAR CIRCUIT ANALYSIS, AND IS STRUCTURED FOR MAXIMUM FLEXIBILITY.

CIRCUITS, DEVICES AND SYSTEMS - RALPH JUDSON SMITH 1976

THIS BOOK IS ALSO AVAILABLE THROUGH THE INTRODUCTORY ENGINEERING CUSTOM PUBLISHING SYSTEM. IF YOU ARE INTERESTED IN CREATING A COURSE-PACK THAT INCLUDES CHAPTERS FROM THIS BOOK, YOU CAN GET FURTHER INFORMATION BY CALLING 212-850-6272 OR SENDING EMAIL INQUIRIES TO ENGINEER@WILEY.COM. THE AUTHORS OFFER A SET OF OBJECTIVES AT THE BEGINNING OF EACH CHAPTER PLUS A CLEAR, CONCISE DESCRIPTION OF ABSTRACT CONCEPTS. FOCUSING ON PREPARING STUDENTS TO SOLVE PRACTICAL PROBLEMS, IT INCLUDES NUMEROUS COLORFUL ILLUSTRATIVE EXAMPLES. ALONG WITH UPDATED

MATERIAL ON MOSFETS, THE CRO FOR USE IN LAB WORK, A THOROUGH TREATMENT OF DIGITAL ELECTRONICS AND RAPIDLY DEVELOPING AREAS OF ELECTRONICS, IT CONTAINS AN EXPANSIVE GLOSSARY OF NEW TERMS AND IDEAS.

GROUNDING AND SHIELDING - RALPH MORRISON 2006-06-14

THE FIFTH EDITION OF GROUNDING AND SHIELDING HAS BEEN REVISED THROUGHOUT. MATERIAL HAS BEEN ADDED ON TRANSMISSION LINES, RADIATION AND PRINTED CIRCUIT DESIGN, ALL OF WHICH ARE OF GREAT CURRENT INTEREST BECAUSE OF THE SMALLER DIMENSIONS OF ELECTRONIC DEVICES.

THE ELECTRICAL ENGINEERING HANDBOOK - SIX VOLUME SET - RICHARD C. DORF 2018-12-14

IN TWO EDITIONS SPANNING MORE THAN A DECADE, THE ELECTRICAL ENGINEERING HANDBOOK STANDS AS THE DEFINITIVE REFERENCE TO THE MULTIDISCIPLINARY FIELD OF ELECTRICAL ENGINEERING. OUR KNOWLEDGE CONTINUES TO GROW, AND SO DOES THE HANDBOOK. FOR THE THIRD EDITION, IT HAS GROWN INTO A SET OF SIX BOOKS CAREFULLY FOCUSED ON SPECIALIZED AREAS OR FIELDS OF STUDY. EACH ONE REPRESENTS A CONCISE YET DEFINITIVE COLLECTION OF KEY CONCEPTS, MODELS, AND EQUATIONS IN ITS RESPECTIVE DOMAIN, THOUGHTFULLY GATHERED FOR CONVENIENT ACCESS. COMBINED, THEY CONSTITUTE THE MOST COMPREHENSIVE, AUTHORITATIVE RESOURCE AVAILABLE. CIRCUITS,

SIGNALS, AND SPEECH AND IMAGE PROCESSING PRESENTS ALL OF THE BASIC INFORMATION RELATED TO ELECTRIC CIRCUITS AND COMPONENTS, ANALYSIS OF CIRCUITS, THE USE OF THE LAPLACE TRANSFORM, AS WELL AS SIGNAL, SPEECH, AND IMAGE PROCESSING USING FILTERS AND ALGORITHMS. IT ALSO EXAMINES EMERGING AREAS SUCH AS TEXT TO SPEECH SYNTHESIS, REAL-TIME PROCESSING, AND EMBEDDED SIGNAL PROCESSING. ELECTRONICS, POWER ELECTRONICS, OPTOELECTRONICS, MICROWAVES, ELECTROMAGNETICS, AND RADAR DELVES INTO THE FIELDS OF ELECTRONICS, INTEGRATED CIRCUITS, POWER ELECTRONICS, OPTOELECTRONICS, ELECTROMAGNETICS, LIGHT WAVES, AND RADAR, SUPPLYING ALL OF THE BASIC INFORMATION REQUIRED FOR A DEEP UNDERSTANDING OF EACH AREA. IT ALSO DEVOTES A SECTION TO ELECTRICAL EFFECTS AND DEVICES AND EXPLORES THE EMERGING FIELDS OF MICROLITHOGRAPHY AND POWER ELECTRONICS. SENSORS, NANOSCIENCE, BIOMEDICAL ENGINEERING, AND INSTRUMENTS PROVIDES THOROUGH COVERAGE OF SENSORS, MATERIALS AND NANOSCIENCE, INSTRUMENTS AND MEASUREMENTS, AND BIOMEDICAL SYSTEMS AND DEVICES, INCLUDING ALL OF THE BASIC INFORMATION REQUIRED TO THOROUGHLY UNDERSTAND EACH AREA. IT EXPLORES THE EMERGING FIELDS OF SENSORS, NANOTECHNOLOGIES, AND BIOLOGICAL EFFECTS. BROADCASTING AND OPTICAL COMMUNICATION TECHNOLOGY EXPLORES

COMMUNICATIONS, INFORMATION THEORY, AND DEVICES, COVERING ALL OF THE BASIC INFORMATION NEEDED FOR A THOROUGH UNDERSTANDING OF THESE AREAS. IT ALSO EXAMINES THE EMERGING AREAS OF ADAPTIVE ESTIMATION AND OPTICAL COMMUNICATION. COMPUTERS, SOFTWARE ENGINEERING, AND DIGITAL DEVICES EXAMINES DIGITAL AND LOGICAL DEVICES, DISPLAYS, TESTING, SOFTWARE, AND COMPUTERS, PRESENTING THE FUNDAMENTAL CONCEPTS NEEDED TO ENSURE A THOROUGH UNDERSTANDING OF EACH FIELD. IT TREATS THE EMERGING FIELDS OF PROGRAMMABLE LOGIC, HARDWARE DESCRIPTION LANGUAGES, AND PARALLEL COMPUTING IN DETAIL. SYSTEMS, CONTROLS, EMBEDDED SYSTEMS, ENERGY, AND MACHINES EXPLORES IN DETAIL THE FIELDS OF ENERGY DEVICES, MACHINES, AND SYSTEMS AS WELL AS CONTROL SYSTEMS. IT PROVIDES ALL OF THE FUNDAMENTAL CONCEPTS NEEDED FOR THOROUGH, IN-DEPTH UNDERSTANDING OF EACH AREA AND DEVOTES SPECIAL ATTENTION TO THE EMERGING AREA OF EMBEDDED SYSTEMS. ENCOMPASSING THE WORK OF THE WORLD'S FOREMOST EXPERTS IN THEIR RESPECTIVE SPECIALTIES, THE ELECTRICAL ENGINEERING HANDBOOK, THIRD EDITION REMAINS THE MOST CONVENIENT, RELIABLE SOURCE OF INFORMATION AVAILABLE. THIS EDITION FEATURES THE LATEST DEVELOPMENTS, THE BROADEST SCOPE OF COVERAGE, AND NEW MATERIAL ON NANOTECHNOLOGIES, FUEL CELLS, EMBEDDED SYSTEMS, AND

BIOMETRICS. THE ENGINEERING COMMUNITY HAS RELIED ON THE HANDBOOK FOR MORE THAN TWELVE YEARS, AND IT WILL CONTINUE TO BE A PLATFORM TO LAUNCH THE NEXT WAVE OF ADVANCEMENTS. THE HANDBOOK'S LATEST INCARNATION FEATURES A PROTECTIVE SLIPCASE, WHICH HELPS YOU STAY ORGANIZED WITHOUT OVERWHELMING YOUR BOOKSHELF. IT IS AN ATTRACTIVE ADDITION TO ANY COLLECTION, AND WILL HELP KEEP EACH VOLUME OF THE HANDBOOK AS FRESH AS YOUR LATEST RESEARCH.

SENSORS, NANOSCIENCE, BIOMEDICAL ENGINEERING, AND INSTRUMENTS -

RICHARD C. DORF 2018-10-03

IN TWO EDITIONS SPANNING MORE THAN A DECADE, THE ELECTRICAL ENGINEERING HANDBOOK STANDS AS THE DEFINITIVE REFERENCE TO THE MULTIDISCIPLINARY FIELD OF ELECTRICAL ENGINEERING. OUR KNOWLEDGE CONTINUES TO GROW, AND SO DOES THE HANDBOOK. FOR THE THIRD EDITION, IT HAS EXPANDED INTO A SET OF SIX BOOKS CAREFULLY FOCUSED ON A SPECIALIZED AREA OR FIELD OF STUDY. EACH BOOK REPRESENTS A CONCISE YET DEFINITIVE COLLECTION OF KEY CONCEPTS, MODELS, AND EQUATIONS IN ITS RESPECTIVE DOMAIN, THOUGHTFULLY GATHERED FOR CONVENIENT ACCESS. SENSORS, NANOSCIENCE, BIOMEDICAL ENGINEERING, AND INSTRUMENTS PROVIDES THOROUGH COVERAGE OF SENSORS, MATERIALS AND NANOSCIENCE, INSTRUMENTS AND MEASUREMENTS, AND BIOMEDICAL SYSTEMS AND DEVICES, INCLUDING ALL OF THE BASIC INFORMATION REQUIRED

TO THOROUGHLY UNDERSTAND EACH AREA. IT EXPLORES THE EMERGING FIELDS OF SENSORS, NANOTECHNOLOGIES, AND BIOLOGICAL EFFECTS. EACH ARTICLE INCLUDES DEFINING TERMS, REFERENCES, AND SOURCES OF FURTHER INFORMATION. ENCOMPASSING THE WORK OF THE WORLD'S FOREMOST EXPERTS IN THEIR RESPECTIVE SPECIALTIES, SENSORS, NANOSCIENCE, BIOMEDICAL ENGINEERING, AND INSTRUMENTS FEATURES THE LATEST DEVELOPMENTS, THE BROADEST SCOPE OF COVERAGE, AND NEW MATERIAL ON MULTISENSOR DATA FUSION AND MEMS AND NEMS.

INTRODUCTION TO ELECTRIC CIRCUITS

- JAMES A. SVOBODA 2013-03-11

KNOWN FOR ITS CLEAR PROBLEM-SOLVING METHODOLOGY AND IT EMPHASIS ON DESIGN, AS WELL AS THE QUALITY AND QUANTITY OF ITS PROBLEM SETS, INTRODUCTION TO ELECTRIC CIRCUITS, NINTH EDITION BY DORF AND SVOBODA WILL HELP READERS TO THINK LIKE ENGINEERS.

ABUNDANT DESIGN EXAMPLES, DESIGN PROBLEMS, AND THE HOW CAN WE CHECK FEATURE ILLUSTRATE THE TEXTS FOCUS ON DESIGN. THE 9TH EDITION CONTINUES THE EXPANDED USE OF PROBLEM-SOLVING SOFTWARE SUCH AS PSpICE AND MATLAB.

CIRCUITS, SIGNALS, AND SPEECH AND IMAGE PROCESSING - RICHARD C. DORF 2018-10-03

IN TWO EDITIONS SPANNING MORE THAN A DECADE, THE ELECTRICAL ENGINEERING HANDBOOK STANDS AS THE DEFINITIVE REFERENCE TO THE MULTIDISCIPLINARY

FIELD OF ELECTRICAL ENGINEERING. OUR KNOWLEDGE CONTINUES TO GROW, AND SO DOES THE HANDBOOK. FOR THE THIRD EDITION, IT HAS EXPANDED INTO A SET OF SIX BOOKS CAREFULLY FOCUSED ON A SPECIALIZED AREA OR FIELD OF STUDY. EACH BOOK REPRESENTS A CONCISE YET DEFINITIVE COLLECTION OF KEY CONCEPTS, MODELS, AND EQUATIONS IN ITS RESPECTIVE DOMAIN, THOUGHTFULLY GATHERED FOR CONVENIENT ACCESS. CIRCUITS, SIGNALS, AND SPEECH AND IMAGE PROCESSING PRESENTS ALL OF THE BASIC INFORMATION RELATED TO ELECTRIC CIRCUITS AND COMPONENTS, ANALYSIS OF CIRCUITS, THE USE OF THE LAPLACE TRANSFORM, AS WELL AS SIGNAL, SPEECH, AND IMAGE PROCESSING USING FILTERS AND ALGORITHMS. IT ALSO EXAMINES EMERGING AREAS SUCH AS TEXT-TO-SPEECH SYNTHESIS, REAL-TIME PROCESSING, AND EMBEDDED SIGNAL PROCESSING. EACH ARTICLE INCLUDES DEFINING TERMS, REFERENCES, AND SOURCES OF FURTHER INFORMATION. ENCOMPASSING THE WORK OF THE WORLD'S FOREMOST EXPERTS IN THEIR RESPECTIVE SPECIALTIES, CIRCUITS, SIGNALS, AND SPEECH AND IMAGE PROCESSING FEATURES THE LATEST DEVELOPMENTS, THE BROADEST SCOPE OF COVERAGE, AND NEW MATERIAL ON BIOMETRICS.

POCKET BOOK OF ELECTRICAL ENGINEERING FORMULAS - RICHARD C. DORF 2018-04-27

POCKET BOOK OF ELECTRICAL ENGINEERING FORMULAS PROVIDES KEY FORMULAS USED IN PRACTICALLY ALL

AREAS OF ELECTRICAL ENGINEERING AND APPLIED MATHEMATICS. THIS HANDY, POCKET-SIZED GUIDE HAS BEEN ORGANIZED BY TOPIC FIELD TO MAKE FINDING INFORMATION QUICK AND EASY. THE BOOK FEATURES AN EXTENSIVE INDEX AND IS AN EXCELLENT QUICK REFERENCE FOR ELECTRICAL ENGINEERS, EDUCATORS, AND STUDENTS.

THE ELECTRICAL ENGINEERING HANDBOOK, SECOND EDITION - RICHARD C. DORF 1997-09-26

IN 1993, THE FIRST EDITION OF THE ELECTRICAL ENGINEERING HANDBOOK SET A NEW STANDARD FOR BREADTH AND DEPTH OF COVERAGE IN AN ENGINEERING REFERENCE WORK. NOW, THIS CLASSIC HAS BEEN SUBSTANTIALLY REVISED AND UPDATED TO INCLUDE THE LATEST INFORMATION ON ALL THE IMPORTANT TOPICS IN ELECTRICAL ENGINEERING TODAY. EVERY ELECTRICAL ENGINEER SHOULD HAVE AN OPPORTUNITY TO EXPAND HIS EXPERTISE WITH THIS DEFINITIVE GUIDE. IN A SINGLE VOLUME, THIS HANDBOOK PROVIDES A COMPLETE REFERENCE TO ANSWER THE QUESTIONS ENCOUNTERED BY PRACTICING ENGINEERS IN INDUSTRY, GOVERNMENT, OR ACADEMIA. THIS WELL-ORGANIZED BOOK IS DIVIDED INTO 12 MAJOR SECTIONS THAT ENCOMPASS THE ENTIRE FIELD OF ELECTRICAL ENGINEERING, INCLUDING CIRCUITS, SIGNAL PROCESSING, ELECTRONICS, ELECTROMAGNETICS, ELECTRICAL EFFECTS AND DEVICES, AND ENERGY, AND THE EMERGING TRENDS IN THE FIELDS OF COMMUNICATIONS, DIGITAL DEVICES, COMPUTER ENGINEERING, SYSTEMS, AND

BIOMEDICAL ENGINEERING. A COMPENDIUM OF PHYSICAL, CHEMICAL, MATERIAL, AND MATHEMATICAL DATA COMPLETES THIS COMPREHENSIVE RESOURCE. EVERY MAJOR TOPIC IS THOROUGHLY COVERED AND EVERY IMPORTANT CONCEPT IS DEFINED, DESCRIBED, AND ILLUSTRATED. CONCEPTUALLY CHALLENGING BUT CAREFULLY EXPLAINED ARTICLES ARE EQUALLY VALUABLE TO THE PRACTICING ENGINEER, RESEARCHERS, AND STUDENTS. A DISTINGUISHED ADVISORY BOARD AND CONTRIBUTORS INCLUDING MANY OF THE LEADING AUTHORS, PROFESSORS, AND RESEARCHERS IN THE FIELD TODAY ASSIST NOTED AUTHOR AND PROFESSOR RICHARD DORF IN OFFERING COMPLETE COVERAGE OF THIS RAPIDLY EXPANDING FIELD. NO OTHER SINGLE VOLUME AVAILABLE TODAY OFFERS THIS COMBINATION OF BROAD COVERAGE AND DEPTH OF EXPLORATION OF THE TOPICS. THE ELECTRICAL ENGINEERING HANDBOOK WILL BE AN INVALUABLE RESOURCE FOR ELECTRICAL ENGINEERS FOR YEARS TO COME.

THE CUMULATIVE BOOK INDEX - 1996

A WORLD LIST OF BOOKS IN THE ENGLISH LANGUAGE.

DASAR TEKNIK ELEKTRO JILID 1 - BUDIONO MISMAIL 2011-04-01

BUKU INI DISUSUN UNTUK MENUNJANG MATA KULIAH DASAR TEKNIK ELEKTRO YANG DIBERIKAN DI PERGURUAN TINGGI TINGKAT AKADEMI DAN STRATA SATU. SISTEMATIKANYA MENDEKATI SILABUS BAKU UNTUK PROGRAM PENDIDIKAN TEKNIK ELEKTRO STRATA SATU YANG DISUSUN OLEH KONSORSIUM

TEKNOLOGI, DEPARTEMEN PENDIDIKAN DAN KEBUDAYAAN. BUKU INI MERUPAKAN BUKU ACUAN YANG DISUSUN SEJAUH MUNGKIN MENGIKUTI PERKEMBANGAN PENERAPAN TEKNIK ELEKTRO DI INDONESIA. BERDASARKAN PERTIMBANGAN PRAKTIS BAGI PEMAKAI DAN AGAR HARGANYA TERJANGKAU, BUKU INI SENGAJA DITERBITKAN DALAM TIGA JILID. BUKU INI DIAWALI DENGAN TINJAUAN TENTANG SEJARAH TEKNIK ELEKTRO, RANGKAIAN LISTRIK DAN PENGANTAR ELEKTRONIKA DASAR. BUKU KEDUA AKAN MEMBAHAS KELANJUTAN TEKNIK ELEKTRONIKA DAN SISTEM TENAGA LISTRIK YANG BERAKHIR PADA TRANSFORMATOR. BUKU KETIGA MENGURAIKAN PRINSIP ELEKTROMEKANIK DAN MESIN-MESIN BERPUTAR. BUKU KETIGA JUGA MEMPERKENALKAN KONSEP SISTEM, SISTEM INSTRUMENTASI, SISTEM KENDALI OTOMATIS, SISTEM KOMUNIKASI, DAN DIAKHIRI DENGAN MASALAH KESELAMATAN DAN KESELAMATAN DAN KESEHATAN KERJA. PENDEKATAN YANG DITEMPUH ADALAH MENUMBUHKAN PROSES BAGI MAHASISWA UNTUK MENGENAL, MENGHARGAI, DAN MEMAHAMI MASALAH-MASALAH YANG AKAN DIHADAPI DALAM TEKNIK ELEKTRO. UNTUK MENCAPAI TUJUAN TERSEBUT, INTUISI KADANG-KADANG LEBIH PENTING DARIPADA ANALISIS MATEMATIKA, TETAPI SEPERTI HALNYA TEORI DENGAN PRAKTIKUM, KEDUANYA ERAT BERKAITAN; TIDAK MUNGKIN KITA MENINGGALKAN SALAH SATU. BAHANNYA PUN DISAJIKAN BEGITU RUPA AGAR MUDAH DIPAHAMI MAHASISWA TAHUN PERTAMA SETELAH

MEREKA MENDAPAT PENGETAHUAN FISIKA DAN MATEMATIKA DARI SEKOLAH MENENGAH ATAS. SETIAP BAB DALAM BUKU INI DIAWALI DENGAN PENDAHULUAN DAN TUJUAN INSTRUKSIONAL BAB YANG BERSANGKUTAN. DALAM SETIAP BAB DIBERIKAN CONTOH-CONTOH YANG DIPERLUKAN UNTUK MENINGKATKAN PEMAHAMAN PEMBACA TENTANG MASALAH YANG DIBAHAS. DI AKHIR BAB SELALU DIBERIKAN SOAL-SOAL UNTUK DIKERJAKAN SEBAGAI LATIHAN. BUKU INI TIDAK MEMERLUKAN PRASYARAT APA-APA BAGI MAHASISWA TEKNIK, SEHINGGA DAPAT DIBERIKAN PADA TAHUN PERTAMA DI PERGURUAN TINGGI. FUNDAMENTALS OF ELECTRICAL ENGINEERING - CHARLES A. GROSS 2012-02-15 REAL-WORLD ENGINEERING PROBLEMS ARE RARELY, IF EVER, NEATLY DIVIDED INTO MECHANICAL, ELECTRICAL, CHEMICAL, CIVIL, AND OTHER CATEGORIES. ENGINEERS FROM ALL DISCIPLINES EVENTUALLY ENCOUNTER COMPUTER AND ELECTRONIC CONTROLS AND INSTRUMENTATION, WHICH REQUIRE AT LEAST A BASIC KNOWLEDGE OF ELECTRICAL AND OTHER ENGINEERING SPECIALTIES, AS WELL AS ASSOCIATED ECONOMICS, AND ENVIRONMENTAL, POLITICAL, AND SOCIAL ISSUES. CO-AUTHORED BY CHARLES GROSS—ONE OF THE MOST WELL-KNOWN AND RESPECTED PROFESSORS IN THE FIELD OF ELECTRIC MACHINES AND POWER ENGINEERING—AND HIS WORLD-RENOWNED COLLEAGUE THAD ROPPEL, FUNDAMENTALS OF ELECTRICAL

ENGINEERING PROVIDES AN OVERVIEW OF THE PROFESSION FOR ENGINEERING PROFESSIONALS AND STUDENTS WHOSE SPECIALIZATION LIES IN AREAS OTHER THAN ELECTRICAL. FOR INSTANCE, CIVIL ENGINEERS MUST CONTEND WITH COMMERCIAL ELECTRICAL SERVICE AND LIGHTING DESIGN ISSUES. MECHANICAL ENGINEERS HAVE TO DEAL WITH MOTORS IN HVAC APPLICATIONS, AND CHEMICAL ENGINEERS ARE FORCED TO HANDLE PROBLEMS INVOLVING PROCESS CONTROL. SIMPLE AND EASY-TO-USE, YET MORE THAN SUFFICIENT IN RIGOR AND COVERAGE OF FUNDAMENTAL CONCEPTS, THIS RESOURCE TEACHES EE FUNDAMENTALS BUT OMITTS THE TYPICAL ANALYTICAL METHODS THAT HOLD LITTLE RELEVANCE FOR THE AUDIENCE. THE AUTHORS PROVIDE MANY EXAMPLES TO ILLUSTRATE CONCEPTS, AS WELL AS HOMEWORK PROBLEMS TO HELP READERS UNDERSTAND AND APPLY PRESENTED MATERIAL. IN MANY CASES, COURSES FOR NON-ELECTRICAL ENGINEERS, OR NON-EEs, HAVE PRESENTED WATERED-DOWN CLASSICAL EE MATERIAL, RESULTING IN UNPOPULAR COURSES THAT STUDENTS HATE AND SENIOR FACULTY MEMBERS UNDERSTANDINGLY AVOID TEACHING. TO REMEDY THIS SITUATION—AND CREATE MORE WELL-ROUNDED PRACTITIONERS—THE AUTHORS FOCUS ON THE TRUE EE NEEDS OF NON-EEs, AS DETERMINED THROUGH THEIR OWN TEACHING EXPERIENCE, AS WELL AS SIGNIFICANT INPUT FROM NON-EE FACULTY. THE BOOK PROVIDES SEVERAL IMPORTANT CONTEMPORARY

INTERDISCIPLINARY EXAMPLES TO SUPPORT THIS APPROACH. THE RESULT IS A FULL-COLOR MODERN NARRATIVE THAT BRIDGES THE VARIOUS EE AND NON-EE CURRICULA AND SERVES AS A TRULY RELEVANT COURSE THAT STUDENTS AND FACULTY CAN BOTH ENJOY.

COLLIER'S ENCYCLOPEDIA - 1984

CHOICE - 1991

BOOKS IN PRINT SUPPLEMENT - 2002

STANDARD HANDBOOK OF PETROLEUM AND NATURAL GAS ENGINEERING - WILLIAM C. LYONS 2011-03-15

THIS NEW EDITION OF THE STANDARD HANDBOOK OF PETROLEUM AND NATURAL GAS ENGINEERING PROVIDES YOU WITH THE BEST, STATE-OF-THE-ART COVERAGE FOR EVERY ASPECT OF PETROLEUM AND NATURAL GAS ENGINEERING. WITH THOUSANDS OF ILLUSTRATIONS AND 1,600 INFORMATION-PACKED PAGES, THIS TEXT IS A HANDY AND VALUABLE REFERENCE. WRITTEN BY OVER A DOZEN LEADING INDUSTRY EXPERTS AND ACADEMICS, THE STANDARD HANDBOOK OF PETROLEUM AND NATURAL GAS ENGINEERING PROVIDES THE BEST, MOST COMPREHENSIVE SOURCE OF PETROLEUM ENGINEERING INFORMATION AVAILABLE. NOW IN AN EASY-TO-USE SINGLE VOLUME FORMAT, THIS CLASSIC IS ONE OF THE TRUE "MUST HAVES" IN ANY PETROLEUM OR NATURAL GAS ENGINEER'S LIBRARY. * A CLASSIC FOR THE OIL AND GAS INDUSTRY FOR OVER

65 YEARS! * A COMPREHENSIVE SOURCE FOR THE NEWEST DEVELOPMENTS, ADVANCES, AND PROCEDURES IN THE PETROCHEMICAL INDUSTRY, COVERING EVERYTHING FROM DRILLING AND PRODUCTION TO THE ECONOMICS OF THE OIL PATCH. * EVERYTHING YOU NEED - ALL THE FACTS, DATA, EQUIPMENT, PERFORMANCE, AND PRINCIPLES OF PETROLEUM ENGINEERING, INFORMATION NOT FOUND ANYWHERE ELSE. * A DESKTOP REFERENCE FOR ALL KINDS OF CALCULATIONS, TABLES, AND EQUATIONS THAT ENGINEERS NEED ON THE RIG OR IN THE OFFICE. * A TIME AND MONEY SAVER ON PROCEDURAL AND EQUIPMENT ALTERNATIVES, APPLICATION TECHNIQUES, AND NEW APPROACHES TO PROBLEMS.

RECORDING FOR THE BLIND & DYSLEXIC, ... CATALOG OF BOOKS - 1996

BROADCASTING AND OPTICAL COMMUNICATION TECHNOLOGY - RICHARD C. DORF 2017-12-19

IN TWO EDITIONS SPANNING MORE THAN A DECADE, THE ELECTRICAL ENGINEERING HANDBOOK STANDS AS THE DEFINITIVE REFERENCE TO THE MULTIDISCIPLINARY FIELD OF ELECTRICAL ENGINEERING. OUR KNOWLEDGE CONTINUES TO GROW, AND SO DOES THE HANDBOOK. FOR THE THIRD EDITION, IT HAS BEEN EXPANDED INTO A SET OF SIX BOOKS CAREFULLY FOCUSED ON A SPECIALIZED AREA OR FIELD OF STUDY. BROADCASTING AND OPTICAL COMMUNICATION TECHNOLOGY REPRESENTS A CONCISE YET DEFINITIVE COLLECTION OF KEY

CONCEPTS, MODELS, AND EQUATIONS IN THE FIELDS OF BROADCASTING AND OPTICAL COMMUNICATION, THOUGHTFULLY GATHERED FOR CONVENIENT ACCESS. ADDRESSING THE CHALLENGES INVOLVED IN MODERN COMMUNICATIONS NETWORKS, BROADCASTING AND OPTICAL COMMUNICATION TECHNOLOGY EXPLORES COMMUNICATIONS, INFORMATION THEORY, AND DEVICES, COVERING ALL THE BASIC INFORMATION NEEDED FOR A THOROUGH UNDERSTANDING OF THESE AREAS. IT ALSO EXAMINES THE EMERGING AREAS OF ADAPTIVE ESTIMATION AND OPTICAL COMMUNICATION, INCLUDING LIGHTWAVE TECHNOLOGY, LONG-DISTANCE FIBER OPTIC COMMUNICATIONS, AND PHOTONIC NETWORKS. ARTICLES INCLUDE DEFINING TERMS, REFERENCES, AND SOURCES OF FURTHER INFORMATION. ENCOMPASSING THE WORK OF THE WORLD'S FOREMOST EXPERTS IN THEIR RESPECTIVE SPECIALTIES, BROADCASTING AND OPTICAL COMMUNICATION TECHNOLOGY PRESENTS THE LATEST DEVELOPMENTS, THE BROADEST SCOPE OF COVERAGE, AND NEW MATERIAL ON MOBILE COMMUNICATIONS. IT OFFERS FAST, CONVENIENT ACCESS TO SPECIALISTS IN NEED OF DETAILED REFERENCE ON THE JOB.

AMERICAN BOOK PUBLISHING RECORD - 2007

CIRCUITS, DEVICES AND SYSTEMS - RALPH J. SMITH 1992-04-16

THIS BOOK IS ALSO AVAILABLE

THROUGH THE INTRODUCTORY ENGINEERING CUSTOM PUBLISHING SYSTEM. IF YOU ARE INTERESTED IN CREATING A COURSE-PACK THAT INCLUDES CHAPTERS FROM THIS BOOK, YOU CAN GET FURTHER INFORMATION BY CALLING 212-850-6272 OR SENDING EMAIL INQUIRIES TO

ENGINEERJWILEY.COM. THE AUTHORS OFFER A SET OF OBJECTIVES AT THE BEGINNING OF EACH CHAPTER PLUS A CLEAR, CONCISE DESCRIPTION OF ABSTRACT CONCEPTS. FOCUSING ON PREPARING STUDENTS TO SOLVE PRACTICAL PROBLEMS, IT INCLUDES NUMEROUS COLORFUL ILLUSTRATIVE EXAMPLES. ALONG WITH UPDATED MATERIAL ON MOSFETS, THE CRO FOR USE IN LAB WORK, A THOROUGH TREATMENT OF DIGITAL ELECTRONICS AND RAPIDLY DEVELOPING AREAS OF ELECTRONICS, IT CONTAINS AN EXPANSIVE GLOSSARY OF NEW TERMS AND IDEAS.

STANDARD HANDBOOK OF PETROLEUM AND NATURAL GAS ENGINEERING -

WILLIAM LYONS 2015-12-08

STANDARD HANDBOOK OF PETROLEUM AND NATURAL GAS ENGINEERING, THIRD EDITION, PROVIDES YOU WITH THE BEST, STATE-OF-THE-ART COVERAGE FOR EVERY ASPECT OF PETROLEUM AND NATURAL GAS ENGINEERING. WITH THOUSANDS OF ILLUSTRATIONS AND 1,600 INFORMATION-PACKED PAGES, THIS HANDBOOK IS A HANDY AND VALUABLE REFERENCE. WRITTEN BY DOZENS OF LEADING INDUSTRY EXPERTS AND ACADEMICS, THE BOOK PROVIDES THE BEST, MOST COMPREHENSIVE

SOURCE OF PETROLEUM ENGINEERING INFORMATION AVAILABLE. NOW IN AN EASY-TO-USE SINGLE VOLUME FORMAT, THIS CLASSIC IS ONE OF THE TRUE "MUST HAVES" IN ANY PETROLEUM OR NATURAL GAS ENGINEER'S LIBRARY. A CLASSIC FOR OVER 65 YEARS, THIS BOOK IS THE MOST COMPREHENSIVE SOURCE FOR THE NEWEST DEVELOPMENTS, ADVANCES, AND PROCEDURES IN THE OIL AND GAS INDUSTRY. NEW TO THIS EDITION ARE MATERIALS COVERING EVERYTHING FROM DRILLING AND PRODUCTION TO THE ECONOMICS OF THE OIL PATCH. UPDATED SECTIONS INCLUDE: UNDERBALANCED DRILLING; INTEGRATED RESERVOIR MANAGEMENT; AND ENVIRONMENTAL HEALTH AND SAFETY. THE SECTIONS ON NATURAL GAS HAVE BEEN UPDATED WITH NEW SECTIONS ON NATURAL GAS LIQUEFACTION PROCESSING, NATURAL GAS DISTRIBUTION, AND TRANSPORT. ADDITIONALLY THERE ARE UPDATED AND NEW SECTIONS ON OFFSHORE EQUIPMENT AND OPERATIONS, SUBSEA CONNECTION SYSTEMS, PRODUCTION CONTROL SYSTEMS, AND SUBSEA CONTROL SYSTEMS. STANDARD HANDBOOK OF PETROLEUM AND NATURAL GAS ENGINEERING, THIRD EDITION, IS A ONE-STOP TRAINING TOOL FOR ANY NEW PETROLEUM ENGINEER OR VETERAN LOOKING FOR A DAILY PRACTICAL REFERENCE. PRESENTS NEW AND UPDATED SECTIONS IN DRILLING AND PRODUCTION COVERS ALL CALCULATIONS, TABLES, AND EQUATIONS FOR EVERY DAY PETROLEUM

ENGINEERS FEATURES NEW SECTIONS ON TODAY'S UNCONVENTIONAL RESOURCES AND RESERVOIRS

COMPUTERS, SOFTWARE ENGINEERING, AND DIGITAL DEVICES - RICHARD C. DORF 2018-10-03

IN TWO EDITIONS SPANNING MORE THAN A DECADE, THE ELECTRICAL ENGINEERING HANDBOOK STANDS AS THE DEFINITIVE REFERENCE TO THE MULTIDISCIPLINARY FIELD OF ELECTRICAL ENGINEERING. OUR KNOWLEDGE CONTINUES TO GROW, AND SO DOES THE HANDBOOK. FOR THE THIRD EDITION, IT HAS EXPANDED INTO A SET OF SIX BOOKS CAREFULLY FOCUSED ON A SPECIALIZED AREA OR FIELD OF STUDY. EACH BOOK REPRESENTS A CONCISE YET DEFINITIVE COLLECTION OF KEY CONCEPTS, MODELS, AND EQUATIONS IN ITS RESPECTIVE DOMAIN, THOUGHTFULLY GATHERED FOR CONVENIENT ACCESS. COMPUTERS, SOFTWARE ENGINEERING, AND DIGITAL DEVICES EXAMINES DIGITAL AND LOGICAL DEVICES, DISPLAYS, TESTING, SOFTWARE, AND COMPUTERS, PRESENTING THE FUNDAMENTAL CONCEPTS NEEDED TO ENSURE A THOROUGH UNDERSTANDING OF EACH FIELD. IT TREATS THE EMERGING FIELDS OF PROGRAMMABLE LOGIC, HARDWARE DESCRIPTION LANGUAGES, AND PARALLEL COMPUTING IN DETAIL. EACH ARTICLE INCLUDES DEFINING TERMS, REFERENCES, AND SOURCES OF FURTHER INFORMATION. ENCOMPASSING THE WORK OF THE WORLD'S FOREMOST EXPERTS IN THEIR RESPECTIVE SPECIALTIES, COMPUTERS, SOFTWARE ENGINEERING, AND DIGITAL DEVICES

FEATURES THE LATEST DEVELOPMENTS, THE BROADEST SCOPE OF COVERAGE, AND NEW MATERIAL ON SECURE ELECTRONIC COMMERCE AND PARALLEL COMPUTING.

INTRODUCTION TO ELECTRIC CIRCUITS - RICHARD C. DORF 2006-01-09

DORF AND SVOBODA'S TEXT BUILDS ON THE STRENGTH OF PREVIOUS EDITIONS WITH ITS EMPHASIS ON REAL-WORLD PROBLEMS THAT GIVE STUDENTS INSIGHT INTO THE KINDS OF PROBLEMS THAT ELECTRICAL AND COMPUTER ENGINEERS ARE CURRENTLY ADDRESSING. STUDENTS ENCOUNTER A WIDE VARIETY OF APPLICATIONS WITHIN THE PROBLEMS AND BENEFIT FROM THE AUTHOR TEAM'S ENORMOUS BREADTH OF KNOWLEDGE OF LEADING EDGE TECHNOLOGIES AND THEORETICAL DEVELOPMENTS ACROSS ELECTRICAL AND COMPUTER ENGINEERING'S SUBDISCIPLINES.

ELECTRICAL ENGIN HDBK THE - RICHARD C. DORF 1993-04-03

A COMPREHENSIVE SOURCE OF ELECTRICAL ENGINEERING INFORMATION, THIS TEXT FEATURES A COMPLETE SECTION DEVOTED TO KEY MATHEMATICAL FORMULAE, CONCEPTS, DEFINITIONS AND DERIVATIVES. IT ALSO PROVIDES COMPLETE DESCRIPTIONS OF SELECT US AND INTERNATIONAL PROFESSIONAL AND ACADEMIC SOCIETIES.

ELECTRONICS - I. J. NAGRATH 2013-09-13

THE SECOND EDITION OF THIS BOOK HAS BEEN UPDATED AND ENLARGED, ESPECIALLY THE CHAPTERS ON DIGITAL

ELECTRONICS. IN THE ANALOG PART, SEVERAL ADDITIONS HAVE BEEN MADE WHEREVER NECESSARY. ALSO, OPTICAL DEVICES AND CIRCUITS HAVE BEEN INTRODUCED. ANALOG ELECTRONICS SPANS SEMICONDUCTORS, DIODES, TRANSISTORS, SMALL AND LARGE-SIGNAL AMPLIFIERS, OPAMPS AND THEIR APPLICATIONS. BOTH BJT AND JFET, AND MOSFET ARE TREATED PARALLELY SO AS TO HIGHLIGHT THEIR SIMILARITIES AND DISSIMILARITIES FOR THOROUGH UNDER-STANDING OF THEIR PARAMETERS AND SPECIFICATIONS. THE DIGITAL ELECTRONICS COVERS LOGIC GATES, COMBINATIONAL CIRCUITS, IC FAMILIES, NUMBER SYSTEMS CODES, ADDERS/SUBTRACTORS, FLIP-FLOPS, REGISTERS AND COUNTERS. SEQUENTIAL CIRCUITS, MEMORIES AND D/A AND A/D CONVERTOR CIRCUITS ARE ESPECIALLY STRESSED. FABRICATION TECHNOLOGY OF INTEGRATED DEVICES AND CIRCUITS HAVE ALSO BEEN DEALT WITH. BESIDES, MANY NEW EXAMPLES AND PROBLEMS HAVE BEEN ADDED SECTION-WISE. THE TEXT IS WRITTEN IN SIMPLE YET RIGOROUS MANNER WITH PROFUSION OF ILLUSTRATIVE EXAMPLES AS AN AID TO CLEAR UNDERSTANDING. THE STUDENT CAN SELF-STUDY SEVERAL PORTIONS OF THE BOOK WITH MINIMAL GUIDANCE. A SOLUTION MANUAL IS AVAILABLE FOR THE TEACHERS.

CIRCUITS, DEVICES AND SYSTEMS -
RALPH J. SMITH 1998-01

ELECTRONICS, POWER ELECTRONICS,
OPTOELECTRONICS, MICROWAVES,
ELECTROMAGNETICS, AND RADAR -

RICHARD C. DORF 2018-10-03

IN TWO EDITIONS SPANNING MORE THAN A DECADE, THE ELECTRICAL ENGINEERING HANDBOOK STANDS AS THE DEFINITIVE REFERENCE TO THE MULTIDISCIPLINARY FIELD OF ELECTRICAL ENGINEERING. OUR KNOWLEDGE CONTINUES TO GROW, AND SO DOES THE HANDBOOK. FOR THE THIRD EDITION, IT HAS EXPANDED INTO A SET OF SIX BOOKS CAREFULLY FOCUSED ON A SPECIALIZED AREA OR FIELD OF STUDY. ELECTRONICS, POWER ELECTRONICS, OPTOELECTRONICS, MICROWAVES, ELECTROMAGNETICS, AND RADAR REPRESENTS A CONCISE YET DEFINITIVE COLLECTION OF KEY CONCEPTS, MODELS, AND EQUATIONS IN THESE AREAS, THOUGHTFULLY GATHERED FOR CONVENIENT ACCESS. ELECTRONICS, POWER ELECTRONICS, OPTOELECTRONICS, MICROWAVES, ELECTROMAGNETICS, AND RADAR DELVES INTO THE FIELDS OF ELECTRONICS, INTEGRATED CIRCUITS, POWER ELECTRONICS, OPTOELECTRONICS, ELECTROMAGNETICS, LIGHT WAVES, AND RADAR, SUPPLYING ALL OF THE BASIC INFORMATION REQUIRED FOR A DEEP UNDERSTANDING OF EACH AREA. IT ALSO DEVOTES A SECTION TO ELECTRICAL EFFECTS AND DEVICES AND EXPLORES THE EMERGING FIELDS OF MICROLITHOGRAPHY AND POWER ELECTRONICS. ARTICLES INCLUDE DEFINING TERMS, REFERENCES, AND SOURCES OF FURTHER INFORMATION. ENCOMPASSING THE WORK OF THE WORLD'S FOREMOST EXPERTS IN THEIR RESPECTIVE SPECIALTIES, ELECTRONICS,

POWER ELECTRONICS,
OPTOELECTRONICS, MICROWAVES,
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FEATURES THE LATEST DEVELOPMENTS,
THE BROADEST SCOPE OF COVERAGE,
AND NEW MATERIAL IN EMERGING AREAS.
CIRCUITS DEVICES AND SYSTEMS -
RALPH J. SMITH 1994-10-01

PRINCIPLES OF ENGINEERING - JAMES J.
DUDERSTADT 1982

PROVIDES AN INTRODUCTION TO THE
ENGINEERING PROFESSION, AND THE
METHODS ENGINEERS APPLY IN
ENGINEERING PRACTICE. EMPHASIZES THE
MODERN TOOLS OF ENGINEERING
ANALYSIS AND DESIGN, INCLUDING
PROBLEM SOLVING METHODS, DIGITAL
COMPUTING, COMPUTER AIDED DESIGN,
EXPERIMENTS, AND TESTING. ALSO
DISCUSSES COMMUNICATION AND
CONSTRAINTS ON ENGINEERING PRACTICE
IN RELATION TO ECONOMICS, LAW,
GOVERNMENT, AND MANAGEMENT.

**SYSTEMS, CONTROLS, EMBEDDED
SYSTEMS, ENERGY, AND MACHINES** -
RICHARD C. DORF 2016-04-19

IN TWO EDITIONS SPANNING MORE THAN
A DECADE, THE ELECTRICAL ENGINEERING
HANDBOOK STANDS AS THE DEFINITIVE
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THOUGHTFULLY GATHERED FOR
CONVENIENT ACCESS. SYSTEMS,
CONTROLS, EMBEDDED SYSTEMS,
ENERGY, AND MACHINES EXPLORES IN
DETAIL THE FIELDS OF ENERGY DEVICES,
MACHINES, AND SYSTEMS AS WELL AS
CONTROL SYSTEMS. IT PROVIDES ALL
OF THE FUNDAMENTAL CONCEPTS NEEDED
FOR THOROUGH, IN-DEPTH
UNDERSTANDING OF EACH AREA AND
DEVOTES SPECIAL ATTENTION TO THE
EMERGING AREA OF EMBEDDED SYSTEMS.
EACH ARTICLE INCLUDES DEFINING
TERMS, REFERENCES, AND SOURCES OF
FURTHER INFORMATION. ENCOMPASSING
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EXPERTS IN THEIR RESPECTIVE
SPECIALTIES, SYSTEMS, CONTROLS,
EMBEDDED SYSTEMS, ENERGY, AND
MACHINES FEATURES THE LATEST
DEVELOPMENTS, THE BROADEST SCOPE
OF COVERAGE, AND NEW MATERIAL ON
HUMAN-COMPUTER INTERACTION.

**ROBUST ELECTRONIC DESIGN REFERENCE
BOOK: NO SPECIAL TITLE** - JOHN R.
BARNES 2004

IF YOU DESIGN ELECTRONICS FOR A
LIVING, YOU NEED ROBUST ELECTRONIC
DESIGN REFERENCE BOOK. WRITTEN BY
A WORKING ENGINEER, WHO HAS PUT
OVER 115 ELECTRONIC PRODUCTS
INTO PRODUCTION AT SYCOR, IBM,
AND LEXMARK, ROBUST ELECTRONIC
DESIGN REFERENCE COVERS ALL THE
VARIOUS ASPECTS OF DESIGNING AND
DEVELOPING ELECTRONIC DEVICES AND
SYSTEMS THAT: -WORK. -ARE SAFE
AND RELIABLE. -CAN BE MANUFACTURED,
TESTED, REPAIRED, AND SERVICED. -MAY

BE SOLD AND USED WORLDWIDE. -CAN

BE ADAPTED OR ENHANCED TO MEET NEW
AND CHANGING REQUIREMENTS.