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OPEN CHANNEL FLOW EFFECTS OF HORIZONTAL VELOCITY VARIATIONS ON ULTRASONIC VELOCITY MEASUREMENTS IN OPEN CHANNELS OPEN CHANNEL HYDRAULICS, RIVER HYDRAULIC STRUCTURES AND FLUVIAL GEOMORPHOLOGY OPEN CHANNEL HYDRAULICS TRANSPORT OF SUSPENDED SOLIDS IN OPEN CHANNELS FLOW IN OPEN CHANNELS TURBULENCE IN OPEN CHANNEL FLOWS OPEN-CHANNEL FLOW CELL BIOLOGY E-BOOK MOLECULAR COLLISION DYNAMICS LEWIN'S CELLS THE TREATMENT OF EPILEPSY CURRENT TOPICS IN MEMBRANES AND TRANSPORT LEWIN'S CELLS MEDICAL PHYSIOLOGY E-BOOK GENERALIZED POTENTIALS FOR INELASTIC SCATTERING COMPUTATIONAL CELL BIOLOGY SYNAPSE, NEURON, BRAIN PRINCIPLES AND MEASURING TECHNIQUES OF TURBULENCE CHARACTERISTICS IN OPEN-CHANNEL FLOWS BIOELECTRICITY NASA TECHNICAL NOTE FLOW AND SEDIMENT TRANSPORT IN COMPOUND CHANNELS CELLULAR AND MOLECULAR NEUROPHYSIOLOGY COMPUTATIONAL BIOCHEMISTRY SCATTERING THEORY OF WAVES AND PARTICLES FUNDAMENTALS OF BIOCHEMISTRY CONCEPTS IN MEDICAL PHYSIOLOGY FLUID MECHANICS AND HYDRAULICS PHYSICAL BIOLOGY OF THE CELL THEORETICAL ATOMIC PHYSICS ATOMIC ASTROPHYSICS AND SPECTROSCOPY MATHEMATICAL PHYSIOLOGY BIOMEDICAL ENGINEERING PRINCIPLES ADVANCES IN HYDRAULICS AND WATER ENGINEERING: VOLUMES I & II - PROCEEDINGS OF THE 13TH IAHR-APD CONGRESS MECHANISMS OF ION CHANNELS VOLTAGE-DEPENDENCY PRACTICAL CHANNEL HYDRAULICS, 2ND EDITION RIVER, COASTAL AND ESTUARINE MORPHODYNAMICS. RCEM 2009, TWO VOLUME SET OPEN-CHANNEL FLOW THEORETICAL ATOMIC PHYSICS

OPEN CHANNEL FLOW

2010-11-09

A COMPREHENSIVE TREATMENT OF OPEN CHANNEL FLOW OPEN CHANNEL FLOW NUMERICAL METHODS AND COMPUTER APPLICATIONS STARTS WITH BASIC PRINCIPLES AND GRADUALLY ADVANCES TO COMPLETE PROBLEMS INVOLVING SYSTEMS OF CHANNELS WITH BRANCHES CONTROLS AND OUTFLOWS INFLOWS THAT REQUIRE THE SIMULTANEOUS SOLUTIONS OF SYSTEMS OF NONLINEAR ALGEBRAIC EQUATIONS COUPLED WITH DIFFERENTIAL EQUATIONS THE BOOK INCLUDES DOWNLOADABLE RESOURCES THAT CONTAIN A PROGRAM THAT SOLVES ALL TYPES OF SIMPLE OPEN CHANNEL FLOW PROBLEMS THE SOURCE PROGRAMS DESCRIBED IN THE TEXT THE EXECUTABLE ELEMENTS OF THESE PROGRAMS THE TK SOLVER AND MATHCAD PROGRAMS AND THE EQUIVALENT MATLAB SCRIPTS AND FUNCTIONS THE BOOK PROVIDES APPLIED NUMERICAL METHODS IN AN APPENDIX AND ALSO INCORPORATES THEM AS AN INTEGRAL COMPONENT OF THE METHODOLOGY IN SETTING UP AND SOLVING THE GOVERNING EQUATIONS PACKED WITH EXAMPLES THE BOOK INCLUDES PROBLEMS AT THE END OF EACH CHAPTER THAT GIVE READERS EXPERIENCE IN APPLYING THE PRINCIPLES AND OFTEN EXPAND UPON THE METHODOLOGIES USE IN THE TEXT THE AUTHOR USES FORTRAN AS THE SOFTWARE TO SUPPLY THE COMPUTER INSTRUCTION BUT COVERS MATH SOFTWARE PACKAGES SUCH AS MATHCAD TK SOLVER MATLAB AND SPREADSHEETS SO THAT READERS CAN USE THE INSTRUMENTS WITH WHICH THEY ARE THE MOST FAMILIAR HE EMPHASIZES THE BASIC PRINCIPLES OF CONSERVATION OF MASS ENERGY AND MOMENTUM HELPING READERS ACHIEVE TRUE MASTERY OF THIS IMPORTANT SUBJECT RATHER THAN JUST LEARN ROUTINE TECHNIQUES WITH THE ENHANCED UNDERSTANDING OF THE FUNDAMENTAL PRINCIPLES OF FLUID MECHANICS PROVIDED BY THIS BOOK READERS CAN THEN APPLY THESE PRINCIPLES TO THE SOLUTION OF COMPLEX REAL WORLD PROBLEMS THE BOOK SUPPLIES THE KNOWLEDGE TOOLS NECESSARY TO ANALYZE AND DESIGN ECONOMICAL AND PROPERLY PERFORMING CONVEYANCE SYSTEMS THUS NOT ONLY IS THE BOOK USEFUL FOR GRADUATE STUDENTS BUT IT ALSO PROVIDES PROFESSIONAL ENGINEERS THE EXPERTISE AND KNOWLEDGE TO DESIGN WELL PERFORMING AND ECONOMICAL CHANNEL SYSTEMS

EFFECTS OF HORIZONTAL VELOCITY VARIATIONS ON ULTRASONIC VELOCITY MEASUREMENTS IN OPEN CHANNELS

1992

THIS BOOK PRESENTS PRACTICAL HYDRAULIC AND RIVER ENGINEERING RESEARCH ALONG WITH FLUVIAL GEOMORPHOLOGICAL CONCEPTS AND LINKS THE THEORETICAL AND PRACTICAL KNOWLEDGE OF PEOPLE WORKING EVERY DAY WITH RIVERS STREAMS AND HYDRAULIC STRUCTURES TO FLUVIAL GEOMORPHOLOGY BESIDES PROVIDING A GUIDE FOR PROFESSIONALS THIS BOOK ALSO PROVIDES MATERIAL FOR STUDENTS TO ACQUIRE THE KNOWLEDGE AND SKILLS TO REHABILITATE RIVERS STREAMS AND WATERWAYS

OPEN CHANNEL HYDRAULICS, RIVER HYDRAULIC STRUCTURES AND FLUVIAL GEOMORPHOLOGY

2017-09-07

OPEN CHANNEL HYDRAULICS SECOND EDITION PROVIDES EXTENSIVE COVERAGE OF OPEN CHANNEL DESIGN WITH COMPREHENSIVE DISCUSSIONS ON FUNDAMENTAL EQUATIONS AND THEIR APPLICATION TO OPEN CHANNEL HYDRAULICS THE BOOK INCLUDES PRACTICAL FORMULAS TO COMPUTE FLOW RATES OR DISCHARGE DEPTHS AND OTHER RELEVANT QUANTITIES IN OPEN CHANNEL HYDRAULICS IN ADDITION IT ALSO EXPLAINS HOW MUTUAL INTERACTION OF INTERCONNECTED CHANNELS CAN AFFECT THE CHANNEL DESIGN WITH COVERAGE OF THE THEORETICAL BACKGROUND PRACTICAL GUIDANCE TO THE DESIGN OF OPEN CHANNELS AND OTHER HYDRAULIC STRUCTURES ADVANCED TOPICS THE LATEST RESEARCH IN THE FIELD AND REAL WORLD APPLICATIONS THIS NEW EDITION OFFERS AN UNPARALLELED USER FRIENDLY STUDY REFERENCE INTRODUCES AND EXPLAINS ALL THE MAIN TOPICS ON OPEN CHANNEL FLOWS USING NUMEROUS WORKED EXAMPLES TO ILLUSTRATE KEY POINTS FEATURES EXTENSIVE COVERAGE OF BRIDGE HYDRAULICS AND SCOUR IMPORTANT TOPICS CIVIL ENGINEERS NEED TO KNOW AS AGING BRIDGES ARE A MAJOR CONCERN INCLUDES MALCHEREK S MOMENTUM APPROACH WHERE APPLICABLE

OPEN CHANNEL HYDRAULICS

2021-05-21

CONFERENCE PROCEEDINGS OF EUROMECH 192 TRANSPORT OF SUSPENDED SOLIDS IN OPEN CHANNELS MUNICH NEUBIBERG 11 15
 JUNE 1985 RAPID GROWTH IN WATER REQUIREMENTS MAKES IT NECESSARY TO INCREASE THE AMOUNT OF WATER DRAWN FROM
 2023-03-18 2/11 HANNA HOEKOM ENGLISH CHAPTER

RIVERS THE DAMS NECESSARY FOR CAPTURING RIVER WATER HAVE TO BE BUILT TO RESIST DAMAGE WHEN LARGE FLOODS OCCUR AND AN IDEA OF THE POSSIBLE DESTRUCTIVE POWER OF FLOODS IS GIVEN BY THE FRONT COVER PHOTOGRAPH

TRANSPORT OF SUSPENDED SOLIDS IN OPEN CHANNELS

2022-04-13

A REVIEW OF OPEN CHANNEL TURBULENCE FOCUSING ESPECIALLY ON CERTAIN FEATURES STEMMING FROM THE PRESENCE OF THE FREE SURFACE AND THE BED OF A RIVER PART ONE PRESENTS THE STATISTICAL THEORY OF TURBULENCE PART TWO ADDRESSES THE COHERENT STRUCTURES IN OPEN CHANNEL FLOWS AND BOUNDARY LAYERS

FLOW IN OPEN CHANNELS

2008

OPEN CHANNEL FLOW 2ND EDITION IS WRITTEN FOR SENIOR LEVEL UNDERGRADUATE AND GRADUATE COURSES ON STEADY AND UNSTEADY OPEN CHANNEL FLOW THE BOOK IS COMPRISED OF TWO PARTS PART I COVERS STEADY FLOW AND PART II DESCRIBES UNSTEADY FLOW THE SECOND EDITION FEATURES CONSIDERABLE EMPHASIS ON THE PRESENTATION OF MODERN METHODS FOR COMPUTER ANALYSES FULL COVERAGE OF UNSTEADY FLOW INCLUSION OF TYPICAL COMPUTER PROGRAMS NEW PROBLEM SETS AND A COMPLETE SOLUTION MANUAL FOR INSTRUCTORS

TURBULENCE IN OPEN CHANNEL FLOWS

2017-10-02

READER FRIENDLY CELL BIOLOGY 4TH EDITION PROVIDES A CONCISE BUT COMPREHENSIVE FOUNDATION FOR STUDENTS ENTERING RESEARCH OR HEALTH CARE CAREER PATHS AWARD WINNING ILLUSTRATIONS HELP READERS QUICKLY GRASP GENERAL PRINCIPLES THE AUTHORS HAVE THOROUGHLY UPDATED THIS POPULAR TEXT TO PROVIDE READERS WITH THE CURRENT UNDERSTANDING OF THE PRINCIPLES OF NORMAL CELLULAR FUNCTION ALONG WITH EXAMPLES OF HOW MOLECULAR DEFECTS PREDISPOSE TO HUMAN DISEASE MAJOR NEW THEMES IN THE 4TH EDITION INCLUDE THE ROLES OF INTRINSICALLY DISORDERED POLYPEPTIDES AND PHASE SEPARATION IN CELLULAR FUNCTIONS THE INFLUENCE OF NEW MOLECULAR STRUCTURES ON UNDERSTANDING MECHANISMS AND THE IMPACT OF EXCITING NEW METHODS FROM SINGLE CELL RNA SEQUENCING TO SECOND GENERATION SUPER RESOLUTION FLUORESCENCE MICROSCOPY ON ADVANCING OUR UNDERSTANDING CLEAR READABLE EXPLANATIONS PROVIDE A CONCISE STORY ABOUT HOW CELLS FUNCTION AT THE MOLECULAR LEVEL AN INTUITIVE CHAPTER FLOW STARTS WITH GENOME ORGANIZATION GENE EXPRESSION AND RNA PROCESSING AS A FOUNDATION FOR UNDERSTANDING EVERY ASPECT OF CELLULAR FUNCTION AND PHYSIOLOGY BRINGS CELLULAR BIOLOGY TO LIFE FOR STUDENTS INTERESTED IN MEDICAL SCIENCE BY EXPLAINING HOW MUTATIONS IN GENES CAN COMPROMISE VIRTUALLY EVERY CELLULAR SYSTEM AND PREDISPOSE TO HUMAN DISEASE KNOWLEDGE OF CELL BIOLOGY HAS LED TO NEW TREATMENTS FOR CANCER HEART FAILURE CYSTIC FIBROSIS AND MANY OTHER DISEASES UNIQUE ILLUSTRATIONS WITH REALISTIC PROPORTIONS AND RELATIONSHIPS EXPLAIN EVERY CELLULAR PROCESS INCLUDING THE ASSEMBLY OF SARS COV 2 THE STRUCTURES ATTACHING MITOTIC CHROMOSOMES TO MICROTUBULES THE MECHANISM OF DNA REPLICATION AND HOW PUMPS CARRIERS AND CHANNELS ORCHESTRATE PHYSIOLOGICAL PROCESSES FROM SYNAPTIC TRANSMISSION TO CELLULAR VOLUME REGULATION COVERS EXCITING BREAKTHROUGHS SUCH AS SMC MOTOR PROTEINS ACTIVELY ORGANIZING CHROMOSOMAL DNA TOR KINASES REGULATING METABOLISM NEW TYPES OF IMMUNOTHERAPY FOR CANCER TREATMENT MECHANISMS REGULATING FAST AXONAL TRANSPORT AND THEIR RELATION TO NEURODEGENERATIVE DISEASES HOW COMPLETION OF DNA REPLICATION SETS THE TIME FOR CELLS TO ENTER MITOSIS HOW A CASCADE OF SIGNALS SPECIFIES THE SITE OF CELL DIVISION AND NEWLY UNDERSTOOD PATHWAYS OF NORMAL AND PATHOLOGICAL CELL DEATH

OPEN-CHANNEL FLOW

2007-11-16

THIS MONOGRAPH COVERS A BROAD SPECTRUM OF TOPICS IN THE VERY BROAD FIELD OF GAS PHASE MOLECULAR COLLISION DYNAMICS THE INTRODUCTION PREVIEWS EACH OF THE FOUR FOLLOWING TOPICS AND ATTEMPTS TO SEW THEM TOGETHER WITH A COMMON THREAD IN ADDITION A BRIEF REVIEW OF QUANTUM REACTIVE SCATTERING IS GIVEN THERE ALONG WITH SOME GENERAL REMARKS WHICH HIGHLIGHT THE DIFFICULTIES IN DOING QUANTUM REACTIVE SCATTERING CALCULATIONS THE CHAPTERS ARE ALL WRITTEN BY THEORETICIANS WHO ARE OF COURSE EXPERTS IN THE SUBJECTS THEY HAVE WRITTEN ABOUT THREE CHAPTERS THE ONES BY SECREST SCHATZ AND THE ONE BY SCHINKE AND BOWMAN DEAL WITH NON REACTIVE ATOM MOLECULE SCATTERING COLLECTIVELY THEY DESCRIBE NEARLY THE FULL BREADTH OF SCATTERING METHODS IN USE TO DAY FROM FULLY

2023-03-18

3/11

HANNA HOEKOM ENGLISH CHAPTER

SUMMARIES

QUANTUM MECHANICAL TO SEMICLASSICAL AND QUASICLASSICAL THE CHAPTER BY BAER IS THE ONLY ONE DEALING WITH QUANTUM REACTIVE SCATTERING WITH THE ADDITIONAL COMPLEXITY OF THE COUPLING OF TWO POTENTIAL ENERGY SURFACES THE ONE SIMPLIFYING FEATURE OF THE TREATMENT IS THAT THE REACTION IS CONSTRAINED TO BE COLLINEAR OVERALL THIS MONOGRAPH IS MAINLY A REVIEW OF THE RECENT ADVANCES IN THE FIELD OF MOLECULAR COLLISION DYNAMICS WITH HOWEVER A CONSIDERABLE AMOUNT OF NEW MATERIAL IT IS HOPED THAT WORKERS AND STUDENTS IN THE FIELD WILL FIND READING THE MONO GRAPH BOTH ENLIGHTENING AND ENJOYABLE

CELL BIOLOGY E-Book

2022-12-13

IDEAL TEXT FOR UNDERGRADUATE AND GRADUATE STUDENTS IN ADVANCED CELL BIOLOGY COURSES EXTRAORDINARY TECHNOLOGICAL ADVANCES IN THE LAST CENTURY HAVE FUNDAMENTALLY ALTERED THE WAY WE ASK QUESTIONS ABOUT BIOLOGY AND UNDERGRADUATE AND GRADUATE STUDENTS MUST HAVE THE NECESSARY TOOLS TO INVESTIGATE THE WORLD OF THE CELL THE IDEAL TEXT FOR STUDENTS IN ADVANCED CELL BIOLOGY COURSES LEWIN S CELLS THIRD EDITION CONTINUES TO OFFER A COMPREHENSIVE RIGOROUS OVERVIEW OF THE STRUCTURE ORGANIZATION GROWTH REGULATION MOVEMENTS AND INTERACTIONS OF CELLS WITH AN EMPHASIS ON EUKARYOTIC CELLS THE TEXT PROVIDES STUDENTS WITH A SOLID GROUNDING IN THE CONCEPTS AND MECHANISMS UNDERLYING CELL STRUCTURE AND FUNCTION AND WILL LEAVE THEM WITH A FIRM FOUNDATION IN CELL BIOLOGY AS WELL AS A BIG PICTURE VIEW OF THE WORLD OF THE CELL REVISED AND UPDATED TO REFLECT THE MOST RECENT RESEARCH IN CELL BIOLOGY LEWIN S CELLS THIRD EDITION INCLUDES EXPANDED CHAPTERS ON NUCLEAR STRUCTURE AND TRANSPORT CHROMATIN AND CHROMOSOMES APOPTOSIS PRINCIPLES OF CELL SIGNALING THE EXTRACELLULAR MATRIX AND CELL ADHESION PLANT CELL BIOLOGY AND MORE ALL NEW DESIGN FEATURES AND A CHAPTER BY CHAPTER EMPHASIS ON KEY CONCEPTS ENHANCE PEDAGOGY AND EMPHASIZE RETENTION AND APPLICATION OF NEW SKILLS THOROUGH ACCESSIBLE AND ESSENTIAL LEWIN S CELLS THIRD EDITION TURNS A NEW AND SHARPER LENS ON THE FUNDAMENTAL UNITS OF LIFE

MOLECULAR COLLISION DYNAMICS

2012-12-06

SERVING AS A REFERENCE ON THE EPILEPSIES THIS FOURTH EDITION PROVIDES AN OVERVIEW OF SEIZURE DISORDERS AND CONTEMPORARY TREATMENT OPTIONS IT BRINGS TOGETHER THE VITAL WORK IN THE NEUROSCIENCES GENETICS ELECTROENCEPHALOGRAPHY PEDIATRIC AND ADULT NEUROLOGY NEUROPHARMACOLOGY NEUROSURGERY AND PSYCHIATRY IT ALSO TALKS ABOUT EPILEPSY SURGERY

LEWIN'S CELLS

2013-12-02

CURRENT TOPICS IN MEMBRANES AND TRANSPORT

THE TREATMENT OF EPILEPSY

2006

COMPLETELY REVISED AND UPDATED TO INCORPORATE THE LATEST DATA IN THE FIELD LEWIN S CELLS SECOND EDITION IS THE IDEAL RESOURCE FOR ADVANCED UNDERGRADUATE AND GRADUATE STUDENTS ENTERING THE WORLD OF CELL BIOLOGY REDESIGNED TO INCORPORATE NEW LEARNING TOOLS AND ELEMENTS THIS EDITION CONTINUES TO PROVIDE READERS WITH CURRENT COVERAGE OF THE STRUCTURE ORGANIZATION GROWTH REGULATION MOVEMENTS AND INTERACTION OF CELLS WITH AN EMPHASIS ON EUKARYOTIC CELLS UNDER THE DIRECTION OF THREE EXPERT LEAD EDITORS NEW CHAPTERS ON METABOLISM AND GENERAL MOLECULAR BIOLOGY HAVE BEEN ADDED BY SUBJECT SPECIALIST ALL CHAPTERS HAVE BEEN CAREFULLY EDITED TO MAINTAIN CONSISTENT USE OF TERMINOLOGY AND TO ACHIEVE A HOMOGENOUS LEVEL OF DETAIL AND RIGOR A NEW DESIGN INCORPORATES MANY NEW PEDAGOGICAL ELEMENTS INCLUDING CONCEPT REASONING QUESTIONS METHODS BOXES CLINICAL APPLICATIONS BOXES AND MORE

CURRENT TOPICS IN MEMBRANES AND TRANSPORT

1984-09-05

2023-03-18

FOR A COMPREHENSIVE UNDERSTANDING OF HUMAN PHYSIOLOGY FROM MOLECULES TO SYSTEMS TURN TO THE LATEST EDITION OF MEDICAL PHYSIOLOGY THIS UPDATED TEXTBOOK IS KNOWN FOR ITS UNPARALLELED DEPTH OF INFORMATION EQUIPPING STUDENTS WITH A SOLID FOUNDATION FOR A FUTURE IN MEDICINE AND HEALTHCARE AND PROVIDING CLINICAL AND RESEARCH PROFESSIONALS WITH A RELIABLE GO TO REFERENCE COMPLEX CONCEPTS ARE PRESENTED IN A CLEAR CONCISE AND LOGICALLY ORGANIZED FORMAT TO FURTHER FACILITATE UNDERSTANDING AND RETENTION CLEAR DIDACTIC ILLUSTRATIONS VISUALLY PRESENT PROCESSES IN A CLEAR CONCISE MANNER THAT IS EASY TO UNDERSTAND INTUITIVE ORGANIZATION AND CONSISTENT WRITING STYLE FACILITATES NAVIGATION AND COMPREHENSION TAKES A STRONG MOLECULAR AND CELLULAR APPROACH THAT RELATES THESE CONCEPTS TO HUMAN PHYSIOLOGY AND DISEASE AN INCREASED NUMBER OF CLINICAL CORRELATIONS PROVIDES A BETTER UNDERSTANDING OF THE PRACTICAL APPLICATIONS OF PHYSIOLOGY IN MEDICINE HIGHLIGHTS NEW BREAKTHROUGHS IN MOLECULAR AND CELLULAR PROCESSES SUCH AS THE ROLE OF EPIGENETICS NECROPTOSIS AND ION CHANNELS IN PHYSIOLOGIC PROCESSES TO GIVE INSIGHTS INTO HUMAN DEVELOPMENT GROWTH AND DISEASE SEVERAL NEW AUTHORS OFFER FRESH PERSPECTIVES IN MANY KEY SECTIONS OF THE TEXT AND METICULOUS EDITING MAKES THIS MULTI AUTHORED RESOURCE READ WITH ONE UNIFIED VOICE INCLUDES ELECTRONIC ACCESS TO 10 ANIMATIONS AND COPIOUS COMPANION NOTES PREPARED BY THE EDITORS

LEWIN'S CELLS

2011-03-25

THIS TEXTBOOK PROVIDES AN INTRODUCTION TO DYNAMIC MODELING IN MOLECULAR CELL BIOLOGY TAKING A COMPUTATIONAL AND INTUITIVE APPROACH DETAILED ILLUSTRATIONS EXAMPLES AND EXERCISES ARE INCLUDED THROUGHOUT THE TEXT APPENDICES CONTAINING MATHEMATICAL AND COMPUTATIONAL TECHNIQUES ARE PROVIDED AS A REFERENCE TOOL

MEDICAL PHYSIOLOGY E-BOOK

2016-03-29

SYNAPSE NEURON BRAIN THE THIRD AND LAST VOLUME IN THE SERIES MEDICAL PHYSICS FOCUSES ON NEURONS AND THEIR INTERACTIONS COMPRISED OF SEVEN CHAPTERS REGARDING THE BRAIN S SYNAPSES AND NERVES THIS VOLUME CONCLUDES THROUGH THE PRESENTATION OF MEDICAL PHYSICS AND ITS APPLICATIONS AN INTRODUCTORY CHAPTER OF THIS VOLUME PROVIDES THE NECESSARY BASIC CONCEPTS AND THEORIES NEEDED IN THE UNDERSTANDING OF THE BOOK THIS IS FOLLOWED BY A DISCUSSION ON THE BRAIN AND ITS INTERCONNECTIONS WITH THE SPINAL CORD CHAPTER 3 FOCUSES ON THE IMPORTANCE OF EVOKED POTENTIALS AS A DIAGNOSTIC TOOL FOR THE SENSORY ORGAN AND THE NEURAL PROCESSING OF THE STIMULI CHEMICAL AND ELECTRICAL PROPERTIES OF SYNAPSES ARE ALSO GIVEN EMPHASIS OTHER TOPICS COVERED IN THIS VOLUME INCLUDE THE RALL THEORY AND NEURONAL INTEGRATION MEMBRANE NOISE AT SYNAPTIC JUNCTIONS AND NEW TECHNIQUES ON BRAIN STUDIES AUTORADIOGRAPHY POSITRON ANNIHILATION AND NUCLEAR MAGNETIC RESONANCE AS WITH THE OTHER VOLUMES THIS ALSO CATERES TO PERSONS IN VARIOUS DISCIPLINES SUCH AS MEDICINE PHYSIOLOGY PHYSICS AND BIOLOGY

GENERALIZED POTENTIALS FOR INELASTIC SCATTERING

1967

THIS IS THE NEW EDITION OF THE CLASSIC INTRODUCTORY TEXT TO ELECTROPHYSIOLOGY IT COVERS MANY TOPICS THAT ARE CENTRAL TO THE FIELD INCLUDING THE ELECTRICAL PROPERTIES OF THE CELL MEMBRANE AND CARDIAC ELECTROPHYSIOLOGY ORGANIZED AS A TEXTBOOK FOR THE STUDENT NEEDING TO ACQUIRE THE CORE COMPETENCIES THIS BOOK MEETS THE DEMANDS OF ADVANCED UNDERGRADUATE OR GRADUATE COURSEWORK IN BIOMEDICAL ENGINEERING AND BIOPHYSICS NEW FEATURES INCLUDE EXTRA DETAILED ILLUSTRATIONS THE BOOK IS AUTHORED BY TWO EMINENT BIOMEDICAL ENGINEERING PROFESSORS AT DUKE UNIVERSITY WHO DISCUSS MANY TOPICS THAT ARE CENTRAL TO BIOPHYSICS AND BIOENGINEERING AND THE QUANTITATIVE METHODS EMPLOYED

COMPUTATIONAL CELL BIOLOGY

2007-06-04

THIS MONOGRAPH PROVIDES A COMPREHENSIVE STATE OF THE ART DESCRIPTION OF THE WORK CARRIED OUT IN THE UK AND JAPAN ON FLOW AND SEDIMENT TRANSPORT IN COMPOUND CHANNELS IT THEREFORE DESCRIBES RESEARCH WHICH HAS BEEN CONDUCTED PRIMARILY OVER THE LAST TWO DECADES AND WHICH HAS YIELDED A FAIRLY DETAILED PICTURE OF THE IMPORTANT BEHAVIOURS OF COMPOUND CHANNELS AND PRODUCED A NUMBER OF ENGINEERING PREDICTION METHODS WHICH OUGHT TO BE

2023-03-18

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HANNA HOEKOM ENGLISH CHAPTER

SUMMARIES

WIDELY ADOPTED IN PRACTICE THE TEXT WILL INEVITABLY HIGHLIGHT AREAS WHERE OUR KNOWLEDGE IS SPARSE AND IT WILL SPUR OTHERS ON IN THE TASK OF FILLING IN SUCH GAPS THE CONCEPT OF BI NATIONAL GROUPS OF RESEARCHERS MEETING TOGETHER INTERMITTENTLY OVER PERIOD OF SOME YEARS THOUGH NOT NEW HAS DRAWN BOTH INSPIRATION AND EXPERIENCE AND THE INTERACTION HAS PRODUCED TANGIBLE OUTCOMES IN THE FORM OF THIS USEFUL PUBLICATION

SYNAPSE, NEURON, BRAIN

2012-12-02

CELLULAR AND MOLECULAR NEUROPHYSIOLOGY FIFTH EDITION IS THE ONLY UP TO DATE TEXTBOOK ON THE MARKET THAT FOCUSES ON THE MOLECULAR AND CELLULAR PHYSIOLOGY OF NEURONS AND SYNAPSES HYPOTHESIS DRIVEN RATHER THAN A DRY PRESENTATION OF THE FACTS THE BOOK PROMOTES A REAL UNDERSTANDING OF THE FUNCTION OF NERVE CELLS THAT IS USEFUL FOR PRACTICING NEUROPHYSIOLOGISTS AND STUDENTS IN GRADUATE LEVEL COURSES ON THE TOPIC ALIKE THIS NEW EDITION EXPLAINS THE MOLECULAR PROPERTIES AND FUNCTIONS OF EXCITABLE CELLS IN DETAIL AND TEACHES STUDENTS HOW TO CONSTRUCT AND CONDUCT INTELLIGENT RESEARCH EXPERIMENTS THE CONTENT IS FIRMLY BASED ON NUMEROUS EXPERIMENTS PERFORMED BY TOP EXPERTS IN THE FIELD THE NEW EDITION CONTAINS NEW CHAPTERS ON RECORDING NEURONAL ACTIVITY ICONOTROPIC AND METABOTROPIC RECEPTORS FOR SENSORY TRANSDUCTION AND A SECTION CONTAINING EXERCISES FOR FURTHER LEARNING THIS BOOK WILL BE A USEFUL RESOURCE FOR NEUROPHYSIOLOGISTS NEUROBIOLOGISTS NEUROLOGISTS AND STUDENTS TAKING GRADUATE LEVEL COURSES ON NEUROPHYSIOLOGY AUTHORITATIVE FOUNDATIONAL COVERAGE OF BASIC CELLULAR AND MOLECULAR NEUROPHYSIOLOGY INCLUDES NEW CHAPTERS ON RECORDING NEURONAL ACTIVITY ICONOTROPIC AND METABOTROPIC RECEPTORS FOR SENSORY TRANSDUCTION PROVIDES FIFTEEN APPENDICES THAT DESCRIBE HOW NEUROBIOLOGICAL TECHNIQUES ARE INTERSPERSED IN THE TEXT PRESENTS ENHANCED COVERAGE OF NEW METHODOLOGIES AND EXPERIMENTAL TECHNIQUES

PRINCIPLES AND MEASURING TECHNIQUES OF TURBULENCE CHARACTERISTICS IN OPEN-CHANNEL FLOWS

1973

THIS VOLUME CROSSES THE BOUNDARIES OF PHYSICS TRADITIONAL SUBDIVISIONS TO TREAT SCATTERING THEORY WITHIN THE CONTEXT OF CLASSICAL ELECTROMAGNETIC RADIATION CLASSICAL PARTICLE MECHANICS AND QUANTUM MECHANICS INCLUDES UPDATES ON DEVELOPMENTS IN THREE PARTICLE COLLISIONS SCATTERING BY NONCENTRAL POTENTIALS AND INVERSE SCATTERING PROBLEMS 1982 EDITION

BIOELECTRICITY

2007-05-30

FUNDAMENTALS OF BIOCHEMISTRY 6TH EDITION WITH NEW AUTHOR TEAM DESTIN HEILMAN AND STEPHEN WOSKI IS FULLY UPDATED FOR FOCUS READABILITY AND CURRENCY THIS REVISION PROVIDES STUDENTS WITH A SOLID BIOCHEMICAL FOUNDATION ROOTED IN CHEMISTRY AND PREPARES THEM FOR FUTURE SCIENTIFIC CHALLENGES ITS PEDAGOGICAL FOCUS REMAINS ON BIOCHEMISTRY S KEY THEME THE RELATIONSHIP BETWEEN STRUCTURE FUNCTION THE TEXT S FOUNDATION DEMONSTRATES THE RELATIONSHIPS BETWEEN THE MONOMERIC UNITS AMINO ACIDS MONOSACCHARIDES NUCLEOTIDES AND FATTY ACIDS AND THE BIOMOLECULAR STRUCTURES THEY FORM THE NEW AUTHORS CONTINUE THE TRUSTED PEDAGOGY OF THE PREVIOUS FIVE EDITIONS AND PRESENT APPROACHABLE BALANCED COVERAGE RELEVANT TO HUMAN HEALTH AND DISEASE FUNDAMENTALS OF BIOCHEMISTRY 6E INCLUDES NEW STUNNING AND ENHANCED VISUALS AND NEW MEASURABLE LEARNING OBJECTIVES IN EACH CHAPTER SECTION THAT OFFER A PRACTICAL PATHWAY FOR STUDENT LEARNING AND UNDERSTANDING

NASA TECHNICAL NOTE

1967

WRITTEN THROUGH A COLLABORATION OF EXPERT FACULTY AND MEDICAL STUDENTS FROM HARVARD MEDICAL SCHOOL THIS INNOVATIVE TEXT DELIVERS A STRAIGHTFORWARD AND CLEAR OVERVIEW OF THE MAJOR PRINCIPLES AGENTS AND PROCESSES GOVERNING HUMAN PHYSIOLOGY EMPHASIS IS ON UNDERSTANDING THE HIGHER ORDER PROCESSES IN EACH ORGAN SYSTEM CONCEPTS IN MEDICAL PHYSIOLOGY AVOIDS LONG LISTS OF UNPRIORITIZED INFORMATION AND UNDEFINED JARGON BY PRESENTING FRESH CONCEPT DIAGRAMS AND FIGURES ALONGSIDE CLEAR EXPLANATIONS OF QUANTITATIVE CONCEPTS IT CAN FUNCTION

2023-03-18

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HANNA HOEKOM ENGLISH CHAPTER
SUMMARIES

EQUALLY WELL AS A PRIMARY RESOURCE OR AS A REVIEW EIGHT MAJOR SECTIONS COMPRISING A TOTAL OF 36 CHAPTERS COVER GENERAL PRINCIPLES MUSCLE AND BONE BLOOD AND THE IMMUNE SYSTEM CARDIOVASCULAR PHYSIOLOGY PULMONARY PHYSIOLOGY RENAL PHYSIOLOGY GASTROINTESTINAL PHYSIOLOGY AND ENDOCRINE PHYSIOLOGY MANY USEFUL FEATURES SIMPLIFY MASTERY OF DIFFICULT CONCEPTS CASE STUDIES FOR EACH MAJOR SECTION PRESENT DETAILED CASES WITH SIGNS AND SYMPTOMS HISTORY AND LABORATORY DATA QUESTIONS AT THE CONCLUSION OF EACH CASE REINFORCE IMPORTANT CLINICAL CONCEPTS REVIEWS OF CELL BIOLOGY BASIC SCIENCE AND BIOCHEMISTRY REFRESH STUDENTS ON THE FOUNDATIONS OF PHYSIOLOGICAL KNOWLEDGE CLINICAL APPLICATION BOXES DRAW THE CONNECTION BETWEEN PHYSIOLOGY TO PRACTICAL ISSUES STUDENTS FACE AND HELP WITH PREPARATION FOR THE USMLE PATHOPHYSIOLOGY SECTIONS ARE FEATURED IN EVERY CHAPTER REVIEW QUESTIONS WITH ANSWERS IN EACH CHAPTER AID IN PREPARATION FOR THE EXAMINATION INTEGRATIVE PHYSIOLOGY INSERTS HIGHLIGHT HOW SPECIFIC SYSTEMS ORGANS AND TISSUES WORK TOGETHER MORE THAN 350 ILLUSTRATIONS AID WITH VISUAL LEARNING INCLUDING ORIGINAL SCHEMATIC DIAGRAMS PHOTOS AND TABLES CONCEPT FOCUSED SUMMARIES CONCLUDE EACH CHAPTER FOR MORE EFFECTIVE LEARNING AND REVIEW SUGGESTED READINGS IN EVERY CHAPTER PROVIDE A VALUABLE RESOURCE FOR FURTHER INVESTIGATION IN PHYSIOLOGICAL AND CLINICAL IDEAS

FLOW AND SEDIMENT TRANSPORT IN COMPOUND CHANNELS

2009-07-01

THIS BOOK COMPRISES THE PROCEEDINGS OF THE 26TH INTERNATIONAL CONFERENCE ON HYDRAULICS WATER RESOURCES AND COASTAL ENGINEERING HYDRO 2021 FOCUSING ON BROAD SPECTRUM OF EMERGING OPPORTUNITIES AND CHALLENGES IN THE FIELD OF FLUID MECHANICS AND HYDRAULICS IT COVERS A RANGE OF TOPICS INCLUDING BUT NOT LIMITED TO EXPERIMENTAL AND COMPUTATIONAL FLUID MECHANICS SEDIMENT DYNAMICS ENVIRONMENTAL IMPACT ASSESSMENT OF WATER RESOURCES PROJECTS ENVIRONMENTAL FLOWS POLLUTANT TRANSPORT ETC PRESENTING RECENT ADVANCES IN THE FORM OF ILLUSTRATIONS TABLES AND TEXT IT OFFERS READERS INSIGHTS FOR THEIR OWN RESEARCH IN ADDITION THE BOOK ADDRESSES FUNDAMENTAL CONCEPTS AND STUDIES IN THE FIELD OF FLOOD FORECASTING AND HYDRAULIC STRUCTURES MAKING IT A VALUABLE RESOURCE FOR BOTH BEGINNERS AND RESEARCHERS WANTING TO FURTHER THEIR UNDERSTANDING OF HYDRAULICS WATER RESOURCES AND COASTAL ENGINEERING

CELLULAR AND MOLECULAR NEUROPHYSIOLOGY

2024-06-03

PHYSICAL BIOLOGY OF THE CELL IS A TEXTBOOK FOR A FIRST COURSE IN PHYSICAL BIOLOGY OR BIOPHYSICS FOR UNDERGRADUATE OR GRADUATE STUDENTS IT MAPS THE HUGE AND COMPLEX LANDSCAPE OF CELL AND MOLECULAR BIOLOGY FROM THE DISTINCT PERSPECTIVE OF PHYSICAL BIOLOGY AS A KEY ORGANIZING PRINCIPLE THE PROXIMITY OF TOPICS IS BASED ON THE PHYSICAL CONCEPTS THAT

COMPUTATIONAL BIOCHEMISTRY

2009

THIS NEW EDITION PRESENTS THE RECENT DEVELOPMENTS IN ATOMIC PHYSICS BEGINNING WITH A REVIEW OF QUANTUM MECHANICS THE BOOK COVERS IMPORTANT AREAS OF THEORETICAL ATOMIC PHYSICS INCLUDING SEMICLASSICAL THEORY PERIODIC ORBIT THEORY SCALING PROPERTIES FOR ATOMS IN EXTERNAL FIELDS THRESHOLD BEHAVIOR OF IONIZATION CROSS SECTIONS AND CLASSICAL QUANTUM DYNAMICS OF TWO ELECTRON ATOMS

SCATTERING THEORY OF WAVES AND PARTICLES

2002-01-01

SPECTROSCOPY ENABLES THE PRECISE STUDY OF ASTRONOMICAL OBJECTS AND PHENOMENA BRIDGING THE GAP BETWEEN PHYSICS AND ASTRONOMY THIS IS THE FIRST INTEGRATED GRADUATE LEVEL TEXTBOOK ON ATOMIC ASTROPHYSICS IT COVERS THE BASICS OF ATOMIC PHYSICS AND ASTROPHYSICS INCLUDING STATE OF THE ART RESEARCH APPLICATIONS METHODS AND TOOLS THE CONTENT IS EVENLY BALANCED BETWEEN THE PHYSICAL FOUNDATIONS OF SPECTROSCOPY AND THEIR APPLICATIONS TO ASTRONOMICAL OBJECTS AND COSMOLOGY AN UNDERGRADUATE KNOWLEDGE OF PHYSICS IS ASSUMED AND RELEVANT BASIC MATERIAL IS SUMMARIZED AT THE BEGINNING OF EACH CHAPTER THE MATERIAL IS COMPLETELY SELF CONTAINED AND FEATURES SUFFICIENT BACKGROUND INFORMATION FOR SELF STUDY ADVANCED USERS WILL FIND IT HANDY FOR SPECTROSCOPIC STUDIES A WEBSITE HOSTED BY THE AUTHORS CONTAINS UPDATES CORRECTIONS EXERCISES AND SOLUTIONS AS WELL AS NEWS ITEMS

2023-03-18

7/11

HANNA HOEKOM ENGLISH CHAPTER

SUMMARIES

FROM PHYSICS AND ASTRONOMY RELATED TO SPECTROSCOPY A LINK TO THIS CAN BE FOUND AT CAMBRIDGE ORG
9780521825368

FUNDAMENTALS OF BIOCHEMISTRY

2024-05-14

DIVIDED INTO TWO VOLUMES THE BOOK BEGINS WITH A PEDAGOGICAL PRESENTATION OF SOME OF THE BASIC THEORY WITH CHAPTERS ON BIOCHEMICAL REACTIONS DIFFUSION EXCITABILITY WAVE PROPAGATION AND CELLULAR HOMEOSTASIS THE SECOND MORE EXTENSIVE PART DISCUSSES PARTICULAR PHYSIOLOGICAL SYSTEMS WITH CHAPTERS ON CALCIUM DYNAMICS BURSTING OSCILLATIONS AND SECRETION CARDIAC CELLS MUSCLES INTERCELLULAR COMMUNICATION THE CIRCULATORY SYSTEM THE IMMUNE SYSTEM WOUND HEALING THE RESPIRATORY SYSTEM THE VISUAL SYSTEM HORMONE PHYSIOLOGY RENAL PHYSIOLOGY DIGESTION THE VISUAL SYSTEM AND HEARING NEW CHAPTERS ON CALCIUM DYNAMICS NEUROENDOCRINE CELLS AND REGULATION OF CELL FUNCTION HAVE BEEN INCLUDED REVIEWS FROM FIRST EDITION KEENER AND SNEYD S MATHEMATICAL PHYSIOLOGY IS THE FIRST COMPREHENSIVE TEXT OF ITS KIND THAT DEALS EXCLUSIVELY WITH THE INTERPLAY BETWEEN MATHEMATICS AND PHYSIOLOGY WRITING A BOOK LIKE THIS IS AN AUDACIOUS ACT SOCIETY OF MATHEMATICAL BIOLOGY KEENER AND SNEYD S IS UNIQUE IN THAT IT ATTEMPTS TO PRESENT ONE OF THE MOST IMPORTANT SUBFIELDS OF BIOLOGY AND MEDICINE PHYSIOLOGY IN TERMS OF MATHEMATICAL LANGUAGE RATHER THAN ORGANIZING MATERIALS AROUND MATHEMATICAL METHODOLOGY SIAM REVIEW

CONCEPTS IN MEDICAL PHYSIOLOGY

2005

CURRENT DEMAND IN BIOMEDICAL SCIENCES EMPHASIZES THE UNDERSTANDING OF BASIC MECHANISMS AND PROBLEM SOLVING RATHER THAN RIGID EMPIRICISM AND FACTUAL RECALL KNOWLEDGE OF THE BASIC LAWS OF MASS AND MOMENTUM TRANSPORT AS WELL AS MODEL DEVELOPMENT AND VALIDATION BIOMEDICAL SIGNAL PROCESSING BIOMECHANICS AND CAPSTONE DESIGN HAVE INDISPENSABLE ROLES I

FLUID MECHANICS AND HYDRAULICS

2023-06-27

THIS BOOK PRESENTS A WIDE RANGE OF RECENT ADVANCES IN HYDRAULICS AND WATER ENGINEERING IT CONTAINS FOUR SECTIONS HYDRAULICS AND OPEN CHANNEL FLOW HYDROLOGY WATER RESOURCES MANAGEMENT AND HYDROINFORMATICS MARITIME HYDRAULICS ECOHYDRAULICS AND WATER QUALITY MANAGEMENT WORLD AUTHORITIES SUCH AS MIKE ABBOT I NEZU A J METHA M GARCIA AND P Y JULIEN HAVE CONTRIBUTED TO THE BOOK

PHYSICAL BIOLOGY OF THE CELL

2012-10-29

VOLTAGE GATED ION CHANNELS ARE TRANSMEMBRANE PROTEINS IN WHICH AT LEAST ONE GATE IS CONTROLLED BY THE TRANSMEMBRANE POTENTIAL THEY ARE FREQUENTLY VERY SELECTIVELY PERMEABLE TO SODIUM NAV CHANNELS POTASSIUM KV CHANNELS OR CALCIUM CAV CHANNELS IONS DEPENDING ON THE CHANNELS OPENING OF THE ACTIVATION GATE IS TRIGGERED BY MEMBRANE DEPOLARIZATION KV NAV AND CAV CHANNELS OR HYPERPOLARIZATION HCN CHANNELS FOR INSTANCE IN ADDITION IN MANY VOLTAGE GATED CHANNELS A SO CALLED INACTIVATION GATE IS ALSO PRESENT COMPARED TO THE ACTIVATION GATE THE LATTER IS OPPOSITELY COUPLED TO THE POTENTIAL IN KV NAV AND CAV CHANNELS UPON MEMBRANE DEPOLARIZATION THE INACTIVATION GATE CLOSES WHEREAS THE ACTIVATION GATE OPENS DEPENDING ON THE CELL TYPES IN WHICH THEY ARE EXPRESSED AND THEIR PHYSIOLOGICAL ROLE VARIOUS VOLTAGE DEPENDENT CHANNELS CAN BE CHARACTERIZED BY THEIR CONDUCTANCE ION SELECTIVITY PHARMACOLOGY AND VOLTAGE SENSITIVITY THESE PROPERTIES ARE MAINLY DICTATED BY THE AMINO ACIDS SEQUENCE AND STRUCTURE OF THE PORE FORMING SUBUNIT S PRESENCE OF ACCESSORY SUBUNIT S MEMBRANE COMPOSITION INTRA AND EXTRACELLULAR IONS CONCENTRATION NOTEWORTHY DESPITE A PROFOUND VARIETY OF THESE ION CHANNELS CHARACTERISTICS IT SEEMS THAT MOST OF THEM OBEY TO THE SAME GLOBAL FOUR FOLD STRUCTURE NOW OBTAINED BY SEVERAL X RAY CRYSTALLOGRAPHY EXPERIMENTS GIVEN THE WEALTH OF ELECTROPHYSIOLOGICAL BIOCHEMICAL OPTICAL AND STRUCTURAL DATA REGARDING ION CHANNELS VOLTAGE DEPENDENCY WE DECIDED TO PUT TOGETHER IN THIS E BOOK UP TO DATE REVIEWS DESCRIBING THE MOLECULAR DETAILS OF THESE COMPLEX VOLTAGE GATED CHANNELS

THEORETICAL ATOMIC PHYSICS

2013-03-09

PRACTICAL CHANNEL HYDRAULICS IS A TECHNICAL GUIDE FOR ESTIMATING FLOOD WATER LEVELS IN RIVERS USING THE INNOVATIVE SOFTWARE KNOWN AS THE CONVEYANCE AND AFFLUX ESTIMATION SYSTEM CES AES THE STAND ALONE SOFTWARE IS FREELY AVAILABLE AT HR WALLINGFORD S WEBSITE RIVER CONVEYANCE NET THE CONVEYANCE ENGINE HAS ALSO BEEN EMBEDDED WITHIN INDUSTRY STANDARD RIVER MODELLING SOFTWARE SUCH AS INFOWORKS RS AND FLOOD MODELLER PRO THIS 2ND EDITION HAS BEEN GREATLY EXPANDED THROUGH THE ADDITION OF CHAPTERS 6 8 WHICH NOW SUPPLY THE BACKGROUND TO THE SHIONO AND KNIGHT METHOD SKM UPON WHICH THE CES AES IS LARGELY BASED WITH THE NEED TO ESTIMATE RIVER LEVELS MORE ACCURATELY COMPUTATIONAL METHODS ARE NOW FREQUENTLY EMBEDDED IN FLOOD RISK MANAGEMENT PROCEDURES AS FOR EXAMPLE IN ISO 18320 DETERMINATION OF THE STAGE DISCHARGE RELATIONSHIP IN WHICH BOTH THE SKM AND CES FEATURE THE CES AES INCORPORATES FIVE MAIN COMPONENTS A ROUGHNESS ADVISER A CONVEYANCE GENERATOR AN UNCERTAINTY ESTIMATOR A BACKWATER MODULE AND AN AFFLUX ESTIMATOR THE SKM PROVIDES AN ALTERNATIVE APPROACH SOLVING THE GOVERNING EQUATION ANALYTICALLY OR NUMERICALLY USING EXCEL OR WITH THE SHORT FORTRAN PROGRAM PROVIDED SPECIAL ATTENTION IS PAID TO CALCULATING THE DISTRIBUTIONS OF BOUNDARY SHEAR STRESS DISTRIBUTIONS IN CHANNELS OF DIFFERENT SHAPE AND TO APPROPRIATE FORMULATIONS FOR RESISTANCE AND DRAG FORCES INCLUDING THOSE ON TREES IN FLOODPLAINS WORKED EXAMPLES ARE GIVEN FOR FLOWS IN A WIDE RANGE OF CHANNEL TYPES SIZE SHAPE COVER SINUOSITY RANGING FROM SMALL SCALE LABORATORY FLUMES $Q \approx 20 \text{ l s}^{-1}$ TO EUROPEAN RIVERS $2000 \text{ m}^3 \text{ s}^{-1}$ AND LARGE SCALE WORLD RIVERS $23000 \text{ m}^3 \text{ s}^{-1}$ A 107 RANGE IN DISCHARGE SITES FROM RIVERS IN THE UK FRANCE CHINA NEW ZEALAND AND ECUADOR ARE CONSIDERED TOPICS ARE INTRODUCED INITIALLY AT A SIMPLIFIED LEVEL AND GET PROGRESSIVELY MORE COMPLEX IN LATER CHAPTERS THIS BOOK IS INTENDED FOR POST GRADUATE LEVEL STUDENTS AND PRACTISING ENGINEERS OR HYDROLOGISTS ENGAGED IN FLOOD RISK MANAGEMENT AS WELL AS THOSE WHO MAY SIMPLY JUST WISH TO LEARN MORE ABOUT MODELLING FLOWS IN RIVERS

ATOMIC ASTROPHYSICS AND SPECTROSCOPY

2011-01-06

COASTAL ESTUARINE FLUVIAL AND SUBMARINE MORPHODYNAMICS ENCOMPASS SOME OF THE LEADING PROCESSES SHAPING OUR PLANET THEY STEM MAINLY BUT NOT ONLY FROM THE INTERACTION OF WATER IN MOTION AND MOVABLE SEDIMENT BOUNDARIES RESULTING IN MORPHOLOGICAL CHANGES PRODUCED BY EROSION TRANSPORT AND DEPOSITION OF SEDIMENTS THAT GENERATE A VARIETY OF LANDSCAPE

MATHEMATICAL PHYSIOLOGY

2010-06-04

IN DIESEM BAND GEHT ES UM STRÖMUNGEN DEREN OBERFLÄCHE GEGENÜBER DER ATMOSPHERE OFFENLIEGT ETWA IN KANALEN LENKUNGSROHREN UND MANCHEN ABWASSERLEITUNGEN BAU UND UMWELTINGENIEUREN WIRD ERLÄUTERT WIE SICH DAS WASSER IN DIESEN SITUATIONEN VERHALT. ALLE GLEICHUNGEN WERDEN SOWOHL IN ALGEBRAISCHER ALS AUCH IN DIFFERENTIALFORM GELÖST. EINE WERTVOLLE HILFE BEI DER KONSTRUKTION VON KANALSYSTEMEN. 1100

BIOMEDICAL ENGINEERING PRINCIPLES

2011-05-24

THIS EXPANDED AND UPDATED WELL ESTABLISHED TEXTBOOK CONTAINS AN ADVANCED PRESENTATION OF QUANTUM MECHANICS ADAPTED TO THE REQUIREMENTS OF MODERN ATOMIC PHYSICS IT INCLUDES TOPICS OF CURRENT INTEREST SUCH AS SEMICLASSICAL THEORY CHAOS ATOM OPTICS AND BOSE EINSTEIN CONDENSATION IN ATOMIC GASES IN ORDER TO FACILITATE THE CONSOLIDATION OF THE MATERIAL COVERED VARIOUS PROBLEMS ARE INCLUDED TOGETHER WITH COMPLETE SOLUTIONS THE EMPHASIS ON THEORY ENABLES THE READER TO APPRECIATE THE FUNDAMENTAL ASSUMPTIONS UNDERLYING STANDARD THEORETICAL CONSTRUCTS AND TO EMBARK ON INDEPENDENT RESEARCH PROJECTS THE FOURTH EDITION OF THEORETICAL ATOMIC PHYSICS CONTAINS AN UPDATED TREATMENT OF THE SECTIONS INVOLVING SCATTERING THEORY AND NEAR THRESHOLD PHENOMENA MANIFEST IN THE BEHAVIOUR OF COLD ATOMS AND MOLECULES SPECIAL ATTENTION IS GIVEN TO THE QUANTIZATION OF WEAKLY BOUND STATES JUST BELOW THE CONTINUUM THRESHOLD AND TO LOW ENERGY SCATTERING AND QUANTUM REFLECTION JUST ABOVE PARTICULAR EMPHASIS IS LAID ON THE FUNDAMENTAL DIFFERENCES BETWEEN LONG RANGED COULOMBIC POTENTIALS AND SHORTER RANGED POTENTIALS FALLING OFF FASTER THAN $1/r^2$ AT LARGE DISTANCES. THE NEW SECTIONS ON TUNABLE NEAR

2023-03-18

9/11

HANNA HOEKOM ENGLISH CHAPTER

SUMMARIES

THRESHOLD FESHBACH RESONANCES AND ON SCATTERING IN TWO SPATIALDIMENSIONS ALSO ADDRESS PROBLEMS RELEVANT FOR CURRENT AND FUTURE RESEARCH IN THE FIELD OF COLD AND ULTRA COLD ATOMS GRADUATE STUDENTS AND RESEARCHERS WILL FIND THIS BOOK A VALUABLE RESOURCE AND COMPREHENSIVE REFERENCE ALIKE

ADVANCES IN HYDRAULICS AND WATER ENGINEERING: VOLUMES I & II - PROCEEDINGS OF THE 13TH IAHR-APD CONGRESS

2002-07-18

MECHANISMS OF ION CHANNELS VOLTAGE-DEPENDENCY

2018-03-05

PRACTICAL CHANNEL HYDRAULICS, 2ND EDITION

2018-10-03

RIVER, COASTAL AND ESTUARINE MORPHODYNAMICS. RCEM 2009, Two VOLUME SET

2000-10-24

OPEN-CHANNEL FLOW

2017-05-10

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