

Thermal Engineering By Mathur And Mehta

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International Books in Print - 1992

Journal of the Institution of Engineers (India). - 1981

Foundation of Mechanical Engineering, 4th Ed. - R.K. Purohit 2011-02-01
Foundation of Mechanical Engineering is solely written with the view to help B.E. I year students to master the difficult concepts. Needless to emphasize, this new book has been designed a self learning capsule.

With this aim in view, the material has been organised in a logical order and lots of solved problems and line diagrams have been incorporated to enable students to thoroughly master of the subject. It is believed that this book, solely for B.E. I year students of all branches of Engineering, will captivate the attention of senior students as well as teachers.

Mechanical Engineering for Sustainable Development: State-of-the-Art Research - C.S.P. Rao 2019-01-04

This volume provides valuable insight into diverse topics related to mechanical engineering and presents state-of-the-art work on sustainable development being carried out throughout the world by budding researchers and scientists. Divided into three sections, the volume covers machine design, materials and manufacturing, and thermal engineering. It presents innovative research work on machine design that is of relevance to such varied fields as the automotive industry, agriculture, and human anatomy. The second section addresses materials characterization, an important tool in assessing proper materials for application-oriented jobs, and emerging unconventional machining processes that are important in design engineering for new products and tools. The section on thermal engineering broadly covers the use of viable alternate fuels, such as HHO, biodiesel, etc., with the objective of reducing the burden on petroleum reserves and the environment.

Publisher's Monthly - 2001

Engineering Research Centres - 1988

Machine Drawing - K. L. Narayana 2009-06-30

About the Book: Written by three distinguished authors with ample academic and teaching experience, this textbook, meant for diploma and degree students of Mechanical Engineering as well as those preparing for AMIE examination, incorporates the latest st

Indian Books in Print - 2003

Thermodynamics and Heat Power, Ninth Edition - Irving Granet 2020-11-05

The ninth edition of Thermodynamics and Heat Power contains a revised sequence of thermodynamics concepts including physical properties, processes, and energy systems, to enable the attainment of learning outcomes by Engineering and Engineering Technology students taking an introductory course in thermodynamics. Built around an easily understandable approach, this updated text focuses on thermodynamics fundamentals, and explores renewable energy generation, IC engines, power plants, HVAC, and applied heat transfer. Energy, heat, and work are examined in relation to thermodynamics cycles, and the effects of fluid properties on system performance are explained. Numerous step-by-step examples and problems make this text ideal for undergraduate students. This new edition: Introduces physics-based mathematical formulations and examples in a way that enables problem-solving. Contains extensive learning features within each chapter, and basic computational exercises for in-class and laboratory activities. Includes a straightforward review of applicable calculus concepts. Uses everyday examples to foster a better understanding of thermal science and engineering concepts. This book is suitable for undergraduate students in engineering and engineering technology.

Industrial Activities Bulletin - United States. Agency for International Development. Office of Industrial Resources 1962

Green Buildings and Sustainable Engineering - Harald Drück 2020-02-05
This book comprises the proceedings of the International Conference on Green Buildings and Sustainable Engineering (GBSE 2019), which focused on the theme "Ecotechnological and Digital Solutions for Smart Cities". The papers included address all aspects of green buildings and sustainability practices in civil engineering, and focus on ways and means of reducing pollution and degradation of the environment through efficient usage of energy and water. The book will prove a valuable reference resource for researchers, practitioners, and policy makers.

Elements of Properties of Matter - DS Mathur 2008

The book is a comprehensive work on Properties of Matter which introduces the students to the fundamentals of the subject. It adopts a unique 'ab initio' approach to the presentation of matter- solids, liquids and gasses- with extensive usage of Calculus throughout the book. For each topic, the focus is on optimum blend of theory as well as practical application. Examples and extensive exercises solved with the logarithms reinforce the concepts and stimulate the desire among users to test how far they have grasped and imbibed the basic principles. It primarily caters to the undergraduate courses offered in Indian universities.

Computational and Experimental Methods in Mechanical Engineering - Veeredhi Vasudeva Rao 2021-08-30

This book includes selected peer-reviewed papers presented at third International Conference on Computational and Experimental Methods in Mechanical Engineering held in June 2021 at G.L. Bajaj Institute of Technology and Management, Greater Noida, U.P, India. The book covers broad range of topics in latest research including hydropower, heat transfer, fluid mechanics, advanced manufacturing, recycling and waste disposal, solar energy, thermal power plants, refrigeration and air conditioning, robotics, automation and mechatronics, and advanced designs. The authors are experienced and experts in their field, and all papers are reviewed by expert reviewers in respective field. The book is useful for industry peoples, faculties, and research scholars.

Thermal Engineering - MAHESH M. RATHORE 2010

Thermal Engineering - R.K. Rajput 2005

The Positive Psychology of Personal Factors - Michael L. Wehmeyer 2022-01-17

Personal factors are an element of social-ecological models of disability but have not been well defined or described. The Positive Psychology of Personal Factors examines personal factors from the field of positive psychology to begin to identify and build strengths-based approaches to promoting the full participation, dignity, and well-being of disabled people.

Applications of Computing, Automation and Wireless Systems in Electrical Engineering - Sukumar Mishra 2019-05-31

This book discusses key concepts, challenges and potential solutions in connection with established and emerging topics in advanced computing, renewable energy and network communications. Gathering edited papers presented at MARC 2018 on July 19, 2018, it will help researchers pursue and promote advanced research in the fields of electrical engineering, communication, computing and manufacturing.

Power Plant Engineering - Larry Drbal 2012-12-06

This comprehensive volume provides a complete, authoritative, up-to-date reference for all aspects of power plant engineering. Coverage ranges from engineering economics to coal and limestone handling, from design processes to plant thermal heat balances. Both theory and practical applications are covered, giving engineers the information needed to plan, design, construct, upgrade, and operate power plants. Power Plant Engineering is the culmination of experience of hundreds of engineers from Black & Veatch, a leading firm in the field for more than 80 years. The authors review all major power generating technologies, giving particular emphasis to current approaches. Special features of the book include: * More than 1000 figures and lines drawings that illustrate

all aspects of the subject. * Coverage of related components and systems in power plants such as turbine-generators, feedwater heaters, condenser, and cooling towers. * Definitions and analyses of the features of various plant systems. * Discussions of promising future technologies. Power Plant Engineering will be the standard reference in the professional engineer's library as the source of information on steam power plant generation. In addition, the clear presentation of the material will make this book suitable for use by students preparing to enter the field.

Textbook of Thermal Engineering - J. K. Gupta 1997

Objective Food Science - Sanjeev Kumar Sharma 2020

Mechanical Engineering - 1986

Bibliography of Scientific Publications of South and South East Asia - 1960

Thermodynamics - S. C. Gupta 2005-09

Journal of the Institution of Engineers (India). - 1981

Applications of Geomatics in Civil Engineering - Jayanta Kumar Ghosh 2019-06-19

This book comprises select proceedings of the First International Conference on Geomatics in Civil Engineering (ICGCE 2018). This book presents latest research on applications of geomatics engineering in different domains of civil engineering, like structural engineering, geotechnical engineering, hydraulic and water resources engineering, environmental engineering and transportation engineering. It also covers miscellaneous applications of geomatics in a wide range of technical and societal problems making use of geospatial information, engineering principles, and relational data structures involving measurement sciences. The book proves to be very useful for the scientific and engineering community working in the field of geomatics and geospatial technology.

Steam And Other Tables (With Mollier Chart) - M L Mathur 1969

Fossil Energy Update - 1983

Polysaccharide-Based Nanocomposites for Gene Delivery and Tissue Engineering - Showkat Ahmad Bhawani 2021-06-02

Polysaccharide-Based Nanocomposites for Gene Delivery and Tissue Engineering presents quantitative background on new polysaccharide nanocomposites in a clear and logical way, highlighting the most exciting applications in gene delivery and tissue engineering and their progress. The book focuses on the different types of polysaccharide nanocomposites for gene delivery and tissue engineering and covers polysaccharide hydrogels for tissue engineering and polysaccharide magnetic nanocomposites for gene delivery. Chapters cover various nanocomposites presented in twenty-one separate chapters. This book will be of great interest to all those researching the development and applications of polysaccharide-based nanocomposites for modeling. As polysaccharide-based nanocomposites promise cutting-edge applications in gene delivery and tissue engineering, with their development at the forefront of modern medicine, this book is a welcome title on this exciting science. Presents quantitative background on new polysaccharide nanocomposites for advanced medicine Focuses on polysaccharide nanocomposites in relation to gene delivery and tissue engineering Highlights the most exciting, leading-edge applications in gene delivery and tissue engineering Covers polysaccharide hydrogels for tissue engineering and magnetic nanocomposites for gene delivery Offers a logical and useful presentation of polysaccharide nanocomposites organized first by application and then by nanocomposite

Elements of Mechanical Engineering(GTU) - Sadhu Singh 2010

The book strictly complies with the new syllabus of Gujrat Technological University, Ahmedabad, for B.E. First year of all braches of Engineering. The subject matter is presented in a graded stepwise, easytofollow style.

Each chapter includes MulipleChoice Questions,Review Questions and Exercises for easy recapitulation.

Directory - The Institution of Engineers (India). - Institution of Engineers (India) 1977

Thermodynamics: - Gupta, S. C.

Thermodynamics is designed for the first course on thermodynamics offered to undergraduate students of mechanical engineering. The book presents the Macroscopic (classical) and Microscopic (Statistical) thermodynamics including applications to power cycles, and aims to create an analytical mind in the reader to solve problems.

Thermal Analysis in Research and Industry - Indra K. Varma 1989

Astronautics & Aeronautics - 1982

A HEAT TRANSFER TEXTBOOK - John H. Lienhard 2004

Biotreatment, Downstream Processing and Modelling - P. Bajpai 1997

This book provides an up-to-date and rapid introduction to an important and currently active topic in graph theory. The author leads the reader to the forefront of research in this area. Complete and easily readable proofs of all the main theorems, together with numerous examples, exercises and open problems are given. The book is suitable for use as a textbook or as seminar material for advanced undergraduate and graduate students. The references are comprehensive and so it will also be useful for researchers as a handbook.

CRC Handbook of Thermal Engineering - Raj P. Chhabra 2017-11-08

The CRC Handbook of Thermal Engineering, Second Edition, is a fully updated version of this respected reference work, with chapters written by leading experts. Its first part covers basic concepts, equations and principles of thermodynamics, heat transfer, and fluid dynamics. Following that is detailed coverage of major application areas, such as bioengineering, energy-efficient building systems, traditional and renewable energy sources, food processing, and aerospace heat transfer topics. The latest numerical and computational tools, microscale and nanoscale engineering, and new complex-structured materials are also presented. Designed for easy reference, this new edition is a must-have volume for engineers and researchers around the globe.

Mechanics - DS Mathur 2000-10

The book presents a comprehensive study of important topics in Mechanics of pure and applied sciences. It provides knowledge of scalar and vector in optimum depth to make the students understand the concepts of Mechanics in simple, coherent and lucid manner and grasp its principles & theory. It caters to the requirements of students of B.Sc. Pass and Honours courses. Students of engineering disciplines and the ones aspiring for competitive exams such as AIME and others, will also find it useful for their preparations.

Thermal Engineering - Ajoy Kumar 2004

Thermal Engineering covers in a comprehensive and coherent manner fundamentals of thermodynamics and their engineering applications. Beginning with elementary ideas of pressure, temperature and heat, it develops the laws of thermodynamics from experimental and engineering backgrounds. Steam turbine is covered in simple and easy methods of drawing velocity triangles. As thermal science is related to heat transfer, a general overview is presented along with a discussion on various power cycles for improving efficiency.

Elements of Mechanical.Engineering (PTU) - Sadhu Singh 2009

The present book on Elements of Mechanical Engineering is meant for the engineering students of all branches at their first year level.It covers the new syllabus of panjab Technical University,Jalandhar.However,it shall be useful to students of other Universities also.The book covers the basic principles of Thermodynamics,zeroth law of Thermodynamics and the concept of temperature in the first chapter.

Steam Tables - RS Khurmi | N Khurmi 2008

The Favourable and warm reception,which the previous editions and reprints of this booklet have enjoyed at home and abroad,has been a matter of great satisfaction to me.