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Applied Mechanics Reviews 1948

Cad/cam Theory And Practice (soft Cover) Zeid 1991

Product Manufacturing and Cost Estimating using CAD/CAE Kuang-Hua Chang 2013-07-01 *This is the second part of a four part series that covers discussion of computer design tools throughout the design process. Through this book, the reader will... understand basic design principles and all digital design paradigms. ...understand CAD/CAE/CAM tools available for various design related tasks. ...understand how to put an integrated system together to conduct All Digital Design (ADD). ...understand industrial practices in employing ADD and tools for product development. Provides a comprehensive and thorough coverage of essential elements for product manufacturing and cost estimating using the computer aided engineering paradigm Covers CAD/CAE in virtual manufacturing, tool path generation, rapid prototyping, and cost estimating; each chapter includes both analytical methods and computer-aided design methods, reflecting the use of modern computational tools in engineering design and practice A case study and tutorial example at the end of each chapter provides hands-on practice in implementing off-the-shelf computer design tools Provides two projects at the end of the book showing the use of Pro/ENGINEER® and SolidWorks® to implement concepts discussed in the book*

Computational Design Methods and Technologies: Applications in CAD, CAM and CAE Education Gu, Ning 2012-01-31 *The emergence and adoption of computational technologies has significantly changed design and design education beyond the replacement of drawing boards with computers or pens and paper with computer-aided design (CAD), computer-aided manufacturing (CAM), and computer-aided engineering (CAE) applications. Computational Design Methods and Technologies: Applications in CAD, CAM and CAE Education explores state-of-the-art developments in computational design methods and their impact on contemporary design education. Readers will find case studies, empirical research findings, pedagogical theories, and reflections. Researchers, educators, designers, and developers will better understand how applying pedagogical research and reflection has influenced and will continue to transform the field in the future.*

What Every Engineer Should Know about Practical Cad/cam Applications Stark 1986-06-11 *This authoritative book -- discussing CAD/CAM in detail from the user's rather than the vendor's point of view -- provides the valuable information engineers and managers need for optimal CAD/CAM implementation and use. It introduces CAD/CAM hardware and software, and demonstrates how to select a CAD/CAM solution for your company's specific requirements ... explains how to implement a CAD/CAM system, with special attention to training and education, and with useful checklists ... describes ongoing systems ... presents an informative overview of CAD/CAM's industrial use ... and details case studies of CAD/CAM applications, representing a broad range of companies throughout the world, in various industrial sectors, at different stages of CAD/CAM use. Complete with a glossary that clearly defines all CAD/CAM terminology, this essential reference source is mandatory reading for mechanical, manufacturing, automotive and aerospace engineers and managers; CAD/CAM system vendors; computer manufacturers; graduate-level courses in mechanical and manufacturing engineering, CAD/CAM, and computer science; and professional seminars in mechanical, manufacturing, and automotive engineering. Book jacket.*

Computer Aided Analysis and Design Srinivasa Prakash Regalla 2013-12-30 *The book has all the details required for the complete coverage of either undergraduate level or graduate level course on Computer Aided Design for mechanical engineers, design engineers and civil and architectural engineers. Emphasis has been laid on explaining the concepts and techniques more from the practical and implementation standpoint so that the reader can begin hands-on and to enable the reader to write his own programs and design CAD systems for any mechanical element. Each chapter has a large number of solved and unsolved exercise problems. The book is complemented by several open ended projects, topics as well as partial details of solution, in all the chapters. Close knitting among the geometric modeling, computer aided engineering and applications such as rapid prototyping is a special feature of this book. Spread in two parts containing 11 chapters the book broadly covers: " Background of the CAD systems. " Curve, surface and solid modeling techniques " Rapid prototyping technology. " Fundamental techniques of computer*

aided engineering " Fundamentals of mechanical systems " Numerical techniques for analysis of mechanical systems " Finite difference method and finite element method.

Great Events from History II.: 1967-1980 Frank Northen Magill 1994

CAD/CAM M. Groover 1983-12-01 In this book, the authors examine interactive computer graphics and its use in design industrial robots, computer control of manufacturing processes, computer-integrated production control, automated inspections, and flexible manufacturing systems. They also discuss the implementation of turnkey CAD/CAM systems.

Principia Designae - Pre-Design, Design, and Post-Design Toshiharu Taura 2014-09-05 This book presents a broad design purview within the framework of "pre-design, design, and post-design" by focusing on the "motive of design," which implies an underlying reason for the design of a product. The chapters are comprised of papers based on discussions at the "Design Research Leading Workshop" held in Nara, Japan, in 2013. This book encourages readers to enhance and expand their thinking within a widened design perspective.

Computer-Aided Design of User Interfaces II Jean Vanderdonckt 2012-12-06 Proceedings of the Third International Conference on Computer-Aided Design of User Interfaces, 21-23 October 1999, Louvain-la-Neuve, Belgium

Artificial Intelligence in Theory and Practice II Max Bramer 2010-08-17 The papers in this volume comprise the refereed proceedings of the conference 'Artificial Intelligence in Theory and Practice' (IFIP AI 2008), which formed part of the 20th World Computer Congress of IFIP, the International Federation for Information Processing (WCC-2008), in Milan, Italy in September 2008. The conference is organised by the IFIP Technical Committee on Artificial Intelligence (Technical Committee 12) and its Working Group 12.5 (Artificial Intelligence Applications). All papers were reviewed by at least two members of our Program Committee. Final decisions were made by the Executive Program Committee, which comprised John Debenham (University of Technology, Sydney, Australia), Ilias Maglogiannis (University of Aegean, Samos, Greece), Eunika Mercier-Laurent (KIM, France) and myself. The best papers were selected for the conference, either as long papers (maximum 10 pages) or as short papers (maximum 5 pages) and are included in this volume. The international nature of IFIP is amply reflected in the large number of countries represented here. The conference also featured invited talks by Prof. Nikola Kasabov (Auckland University of Technology, New Zealand) and Prof. Lorenza Saitta (University of Piemonte Orientale, Italy). I should like to thank the conference chair, John Debenham for all his efforts and the members of our program committee for reviewing papers to a very tight deadline.

Cad/Cam Theory & Practice 2E Zeid 1991

CAD/CAM Abstracts 1986

Resources in Education 1998

Research Into Spinal Deformities 5 Dirk Uyttendaele 2006-01-01 " This publication covers many different fields of research from genetics and molecular biology to surgical treatment. During the last decade the field of research has widened and new research groups have emerged, reflecting the changes in the world's economical and political scene. In this context, globalization definitely has a positive meaning. Our understanding of the mechanisms leading to spinal deformity is improving, but further research into all fields concerned is mandatory. This book reflects our current knowledge and is intended for readers with a scientific, critical and open mind. It serves as a basis for future research and as a source of discussion. Research into Spinal Deformities 5 contains papers on the following subjects: Genetics; Etiology and Pathogenesis; Biomechanics & Imaging; Conservative Treatment; Surgical Treatment; and Quality of Life. "

Theory and Practice of Geometric Modeling Wolfgang Straßer 2012-12-06 This book is a result of the lectures and discussions during the conference "Theory and Practice of Geometric Modeling". The event has been organized by the Wilhelm-Schickard-Institut für Informatik, Universität Tübingen and took place at the Heinrich-Fabri-Institut in Blaubeuren from October 3 to 7, 1988. The conference brought together leading experts from academic and industrial research institutions, CAD system developers and experienced users to exchange their ideas and to discuss new concepts and future directions in geometric modeling. The main intention has been to bridge the gap between theoretical results, performance of existing CAD systems and the real problems of users. The contents is structured in five parts: A Algorithmic Aspects B Surface Intersection, Blending, Ray Tracing C Geometric Tools D Different Representation Schemes in Solid Modeling E Product Modeling in High Level Specifications The material presented in this book reflects the current state of the art in geometric modeling and should therefore be of interest not only to university and industry researchers, but also to system developers and practitioners who wish to keep up to date on recent advances and new concepts in this rapidly expanding field. The editors express their sincere appreciation to the contributing authors, and to the members of the program committee, W. Boehm, J. Hoschek, A. Massabo, H. Nowacki, M. Pratt, J. Rossignac, T. Sederberg and W. Tiller, for their close cooperation and their time and effort that made the conference and this book a success.

CAD/CAM Theory and Concept Sareen Kuldeep & Grewal Chandandeep 2008 Introduction | Computer Hardware And Software| Computer Graphics | Geometric Modeling | Theory Of Geometric Modeling | Geometric Transformations | Visual Realism| Introduction To Nc, Cnc And Dnc | Cnc Tooling And Machine Tools | Cnc Part Programming | Group Technology | Flexible Manufacturing Systems| Computer Aided Process Planning | Automated Material Handling| Computer Integrated Manufacturing | Glossary Of Key Terms |Reference | Index

Design Theory and Methods using CAD/CAE Kuang-Hua Chang 2014-10-11 The fourth book of a four-part series, *Design Theory and Methods using CAD/CAE* integrates discussion of modern engineering design principles, advanced design tools, and industrial design practices throughout the design process. This is the first book to integrate discussion of computer design tools throughout the design process. Through this book series, the reader will: Understand basic design principles and all digital modern engineering design paradigms Understand CAD/CAE/CAM tools available for various design related tasks Understand how to put an integrated system together to conduct All Digital Design (ADD) product design using the paradigms and tools Understand industrial practices in employing ADD virtual engineering design and tools for product development The first book to integrate discussion of computer design tools throughout the design process Demonstrates how to define a meaningful design problem and conduct systematic design using computer-based tools that will lead to a better, improved design Fosters confidence and competency to compete in industry, especially in high-tech companies and design departments

CAD/CAM Robotics and Factories of the Future '90 Suren N. Dwivedi 2012-12-06 According to the Concurrent Engineering Research Center (CERC) at West Virginia University, "the concurrent engineering (CE) is a rapid simultaneous approach where research and development, design, manufacturing and support are carried out in parallel". The mission of concurrent engineering is to reduce time to market, improve total quality and lower cost for products or systems developed and supported by large organizations. The purpose of the concurrent design methodology is to let the designer know the consequences of his design decisions in the manufacturing and assembly stages as well as in subsequent operations. Design for manufacture and assembly, design for reliability and testability, CAD/CAM/CAE, knowledge based systems, cost analysis and advanced material technology are the major constituents of concurrent engineering. The need for concurrent engineering can be justified from the fact that in every production cycle, the design phase approximately takes 5 to 10% of the total cycle, but overall it influences 80% of the production cycle. This volume contains articles from a wide spectrum dealing with concepts of concurrent engineering. The importance of the knowledge-based systems in the CE environment is significant as they provide the common platform to achieve the same level of expertise to the designers and manufacturers throughout the organization for the specific task. Their role in "do it right the first time" is very important in providing aid to the designers and manufacturers to optimize the design and manufacturing setups for a cost effectiveness and reduced production time.

Three Dimensional Analysis of Spinal Deformities M. D'Amico 1995 Changes in Shape of the Spine with Idiopathic Scoliosis after Harrington or C-D Instrumentation: The Plan View -- 3-D Correction Obtained with the C-D Procedure During Surgery -- Results of Treatment of Scoliosis with the Cotrel-Dubousset Technique -- Technics and Preliminary Results Colorado -- A Preliminary Report on the Surgical Realignment of Adolescent Idiopathic Scoliosis with Isola Instrumentation -- Osteoporotic Fractures with Neurological Complications -- Simulation of Surgical Maneuvers with C-D Instrumentation -- Adolescence and Orthopaedic Braces: Psychological Conflicts? -- Preliminary Results of Specific Exercises During In-Patient Scoliosis Rehabilitation -- Cardiopulmonary Performance in Patients with Severe Scoliosis - Outcome after Specific Rehabilitation -- Scoliotic Flatback and Specific Rehabilitation -- Chapter 6. Surface Topography & Internal 3-D Spinal and/or Trunk Anatomy -- Scoliosis Follow-Up by Back Shape Analysis -- Evaluation of Its Reliability -- Digital 3D Moiré - Topography -- Evolution of Scoliosis by Optical Scanner I.S.I.S. -- Automated 360° Degree Profilometry of Human Trunk for Spinal Deformity Analysis -- Spinal Surface Digitization Using 'Mitrecom' in Scoliosis Screening -- High-Resolution Rasterstereography -- Reproducibility and Reliability of the Quantec Surface Imaging System in the Assessment of Spinal Deformity -- Investigation of the Diurnal Variation in the Water Content of the Intervertebral Disc Using MRI and Its Implications for Scoliosis -- Author Index

New Perspectives on Information Systems Development Hari Harindranath 2012-12-06 This book is a result of the Tenth International Conference on Information Systems Development (ISD2001) held at Royal Holloway, University of London, United Kingdom, during September 5-7, 2001. ISD 2001 carries on the fine tradition established by the first Polish-Scandinavian Seminar on Current Trends in Information Systems Development Methodologies, held in Gdansk, Poland in 1988. Through the years, this seminar evolved into an International Conference on Information Systems Development. The Conference gives participants an opportunity to express ideas on the current state of the art in information systems development, and to discuss and exchange views on new methods, tools, applications as well as theory. In all, 55 papers were presented at ISD2001 organised into twelve tracks covering the following themes: Systems Analysis and Development, Modelling, Methodology, Database Systems, Collaborative Systems, Theory, Knowledge Management, Project Management, IS Education, Management issues, E-Commerce, and Technical Issues. We would like to thank all the contributing authors for making this book possible and for their participation in ISD2001. We are grateful to our panel of paper reviewers for their help and support. We would also like to express our sincere thanks to Ceri Bowyer and Steve Brown for their unfailing support with organising ISD2001.

Ency of Library and Inform Sci 2e V4 (Print) Miriam A. Drake 2003 A revitalized version of the popular classic, the *Encyclopedia of Library and Information Science*, Second Edition targets new and dynamic movements in the distribution, acquisition, and development of print and online media-compiling articles from more than 450 information specialists on topics including program planning in the digital era, recruitment, information management, advances in digital technology and encoding, intellectual property, and hardware, software, database selection and design, competitive intelligence, electronic records preservation, decision support systems, ethical issues in information, online library instruction, telecommuting, and digital library

projects.

Contemporary Architecture and the Digital Design Process Peter Szalabaj 2014-04-23 *Contemporary Architecture and the Digital Design Process* introduces the reader to new developments in the computer modelling of design form in contemporary architectural practice through a series of detailed case studies. The book illustrates how evolving design practices use and exploit the potential of new computing technologies in a wide range of areas and application. A central thesis of this book is that technology follows design demand, rather than design adjusting to available new technology. Designers are not merely passive recipients of prescribed computing tools and techniques. Instead, they are increasingly able to express their intuitive design ideas through the rational medium of computing. The book features several contemporary building projects, each of which introduces a range of CAD and computing issues based upon the work of creative architectural and engineering design practices. These include the offices of Frank O. Gehry, Peter Cook and Colin Fournier, Anthony Hunt Associates, Peter Hubner, Szyskowitz-Kowalski, and Faulkner Brown. All these examples show what architects need to know and the skills they need to acquire to use advanced CAD technology.

Computer-Aided Inspection Planning Abdulrahman Al-Ahmari 2016-12-19 *The inspection process is one of the most important steps in manufacturing industries because it safeguards high quality products and customer satisfaction. Manual inspection may not provide the desired accuracy. This book introduces and implements a new methodology and develops the supporting technologies for automated inspection planning based on Computer Aided Design (CAD) models. It also provides and implements an efficient link for automated operation based on Coordinate Measuring Machine (CMM). The link's output is a DMIS code programming file based on the inspection planning table that is executed on CMM.*

ECIE2012-7th European Conference on Innovation and Entrepreneurship 2012

Theory and Practice of Robots and Manipulators A. Morecki 2014-05-04 *The CISM-IFTtoMM Symposia have played a dynamic role in the development of the theory and practice of robotics. The proceedings of the Tenth Symposia present a world view to date of the state-of-the-art, including a unique record of the results achieved in central and eastern Europe.*

Product Design Modeling using CAD/CAE Kuang-Hua Chang 2014-01-20 *Product Design Modeling using CAD/CAE is the third part of a four-part series. It is the first book to integrate discussion of computer design tools throughout the design process.*

Through this book, you will: Understand basic design principles and all digital design paradigms Understand computer-aided design, engineering, and manufacturing (CAD/CAE/CAM) tools available for various design-related tasks Understand how to put an integrated system together to conduct all-digital design (ADD) Provides a comprehensive and thorough coverage of essential elements for product modeling using the virtual engineering paradigm Covers CAD/CAE in product design, including solid modeling, mechanical assembly, parameterization, product data management, and data exchange in CAD Case studies and tutorial examples at the end of each chapter provide hands-on practice in implementing off-the-shelf computer design tools Provides two projects showing the use of Pro/ENGINEER and SolidWorks to implement concepts discussed in the book

Computer-Integrated Manufacturing Daniel Koenig 1990-04-01 *An overview of the CIM theory including a definition of its evolution over the years. It is intended to allow engineers and managers to implement the theory and to use it effectively. Divided into three sections.*

Product Performance Evaluation using CAD/CAE Kuang-Hua Chang 2013-02-03 *This is one book of a four-part series, which aims to integrate discussion of modern engineering design principles, advanced design tools, and industrial design practices throughout the design process. Through this series, the reader will: Understand basic design principles and modern engineering design paradigms. Understand CAD/CAE/CAM tools available for various design related tasks. Understand how to put an integrated system together to conduct product design using the paradigms and tools. Understand industrial practices in employing virtual engineering design and tools for product development. Provides a comprehensive and thorough coverage on essential elements for product performance evaluation using the virtual engineering paradigms Covers CAD/CAE in Structural Analysis using FEM, Motion Analysis of Mechanical Systems, Fatigue and Fracture Analysis Each chapter includes both analytical methods and computer-aided design methods, reflecting the use of modern computational tools in engineering design and practice A case study and tutorial example at the end of each chapter provide hands-on practice in implementing off-the-shelf computer design tools Provides two projects at the end of the book showing the use of Pro/ENGINEER® and SolidWorks® to implement concepts discussed in the book*

Economic Foundations for Creative Ageing Policy. Volume II Andrzej Klimczuk 2016-12-15 *Aging populations are a major consideration for socio-economic development in the early 21st century. This demographic change is mainly seen as a threat rather than as an opportunity to improve the quality of human life. Aging population is taking place in every continent of the world with Europe in the least favourable situation due to its aging population and reduction in economic competitiveness. Economic Foundations for Creative Aging Policy offers public policy ideas to construct positive answers for ageing populations. This exciting new volume searches for economic solutions that can enable effective social policy concerning the elderly. Klimczuk covers theoretical analysis and case study descriptions of good practices, to suggest strategies that could be internationally popularised.*

CAD-CAM McMahon C. 1999-04-01

Advances in Computer Science, Environment, Ecoinformatics, and Education, Part II Sally Lin 2011-08-09 This 5-volume set (CCIS 214-CCIS 218) constitutes the refereed proceedings of the International Conference on Computer Science, Environment, Ecoinformatics, and Education, CSEE 2011, held in Wuhan, China, in July 2011. The 525 revised full papers presented in the five volumes were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on information security, intelligent information, neural networks, digital library, algorithms, automation, artificial intelligence, bioinformatics, computer networks, computational system, computer vision, computer modelling and simulation, control, databases, data mining, e-learning, e-commerce, e-business, image processing, information systems, knowledge management and knowledge discovering, multimedia and its application, management and information system, mobile computing, natural computing and computational intelligence, open and innovative education, pattern recognition, parallel and computing, robotics, wireless network, web application, other topics connecting with computer, environment and ecoinformatics, modeling and simulation, environment restoration, environment and energy, information and its influence on environment, computer and ecoinformatics, biotechnology and biofuel, as well as biosensors and bioreactor.

Scientific and Technical Aerospace Reports 1988 Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database.

Advances in Mechanism Design II Jaroslav Beran 2016-08-17 This book presents the most recent advances in the research of machines and mechanisms. It collects 54 reviewed papers presented at the XII International Conference on the Theory of Machines and mechanisms (TMM 2016) held in Liberec, Czech Republic, September 6-8, 2016. This volume offers an international selection of the most important new results and developments, grouped in six different parts, representing a well-balanced overview, and spanning the general theory of machines and mechanisms, through analysis and synthesis of planar and spatial mechanisms, linkages and cams, robots and manipulators, dynamics of machines and mechanisms, rotor dynamics, computational mechanics, vibration and noise in machines, optimization of mechanisms and machines, mechanisms of textile machines, mechatronics to the control and monitoring systems of machines. This conference is traditionally organised every four year under the auspices of the international organisation IFToMM and the Czech Society for Mechanics.

Computer Graphics 2008-08-07 This book is written for the student who wishes to learn not only the concepts of computer graphics but also its meaningful implementation. It is a comprehensive text on Computer Graphics and is appropriate for an introductory course in the subject.

Geometric Modeling: Theory and Practice Wolfgang Straßer 2012-12-06 The Blaubeuren Conference "Theory and Practice of Geometric Modeling" has become a meeting place for leading experts from industrial and academic research institutions, CAD system developers and experienced users to exchange new ideas and to discuss new concepts and future directions in geometric modeling. The relaxed and calm atmosphere of the Heinrich-Fabri-Institute in Blaubeuren provides the appropriate environment for profound and engaged discussions that are not equally possible on other occasions. Real problems from current industrial projects as well as theoretical issues are addressed on a high scientific level. This book is the result of the lectures and discussions during the conference which took place from October 14th to 18th, 1996. The contents is structured in 4 parts: Mathematical Tools Representations Systems Automated Assembly. The editors express their sincere appreciation to the contributing authors, and to the members of the program committee for their cooperation, the careful reviewing and their active participation that made the conference and this book a success.

GATE MECHANICAL ENGINEERING, Second Edition SHARMA, D. P. 2019-11-01 GATE Mechanical Engineering is designed for candidates preparing for the Graduate Aptitude Test in Engineering (GATE). This examination is conducted across the country by the IITs and IISc and it focuses on engineering and science subjects. On the basis of the GATE Score, the higher educational institutes offer admission for M.Tech and Ph.D. programs. The GATE Score is also used by Public Sector units like ONGC, NTPC, ISRO, BHEL, DRDO, IOCL, NHPC and others to recruit entry-level engineers. The book is a valuable resource for the students who wish to achieve success in the GATE, and want to succeed in academic and employment pursuits. This book is based on the latest syllabus of GATE. It is divided into 17 chapters and each chapter contains key concepts and formulas, solved examples, previous years' GATE questions, and practice paper with solutions. **KEY FEATURES** • Key concepts and formulas to facilitate quick revision of the important points in each chapter. • Practice papers to self-assess are available at https://www.phindia.com/DP_Sharma_GATE_ME/ • More than 2100 problems with solutions to develop problem-solving skills. • More than 1500 diagrams for easy understanding of the concepts which make the reading more fruitful. • Most of the questions are from previous years' GATE and IES exam papers. • Multiple choice questions help students to assess their learning. • Lucid presentation of solutions of practice papers to improve on the areas that need improvements. **TARGET AUDIENCE** • GATE examination (Mechanical Engineering) • PSUs examinations (Mechanical Engineering) • IES examination (Mechanical Engineering) • BE/B.Tech (Mechanical Engineering)

Computer Aided Engineering Design Anupam Saxena 2007-12-08 A new discipline is said to attain maturity when the subject matter takes the shape of a textbook. Several textbooks later, the discipline tends to acquire a firm place in the curriculum for teaching and learning. Computer Aided Engineering Design (CAED), barely three decades old, is interdisciplinary in nature whose

boundaries are still expanding. However, it draws its core strength from several acknowledged and diverse areas such as computer graphics, differential geometry, Boolean algebra, computational geometry, topological spaces, numerical analysis, mechanics of solids, engineering design and a few others. CAED also needs to show its strong linkages with Computer Aided Manufacturing (CAM). As is true with any growing discipline, the literature is widespread in research journals, edited books, and conference proceedings. Various textbooks have appeared with different biases, like geometric modeling, computer graphics, and CAD/CAM over the last decade. This book goes into mathematical foundations and the core subjects of CAED without allowing itself to be overshadowed by computer graphics. It is written in a logical and thorough manner for use mainly by senior and graduate level students as well as users and developers of CAD software. The book covers (a) The fundamental concepts of geometric modeling so that a real understanding of designing synthetic surfaces and solid modeling can be achieved. (b) A wide spectrum of CAED topics such as CAD of linkages and machine elements, finite element analysis, optimization. (c) Application of these methods to real world problems.

CAD/CAM Theory and Practice Ibrahim Zeid 1991 This text is suitable for an introduction to CAD/CAM taught in departments of mechanical engineering. The book combines a good balance of the three main ingredients of CAD/CAM: computer science, engineering design and applications, and industrial implementations and technology.

Product Design For Engineers Devdas Shetty 2015-04-09 Intended to serve as a primary text for Product Design, Capstone Design, or Design for Manufacturing, *PRODUCT DESIGN FOR ENGINEERS* explores techniques for managing innovation, entrepreneurship, and design. Students are introduced to the creative problem-solving method for product success through case studies that explore issues of design for assembly, disassembly, reliability, maintainability, and sustainability. The book's interdisciplinary approach, step-by-step coverage, and helpful illustrations and charts provide mechanical, industrial, aerospace, manufacturing, and automotive engineering students with everything they need to design cost-effective, innovative products that meet customer needs. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.