

Optical System Design Second Edition

Business Process Modeling, Simulation and Design, Second Edition
The Business of Theatrical Design, Second Edition
Business and Legal Forms for Interior Designers, Second Edition
Graphic Design: The New Basics (Second Edition, Revised and Expanded)
Furniture Design
Fundamental Mechanics of Fluids
Boundary Methods
Mechanical Analysis of Electronic Packaging Systems
Micromachining of Engineering Materials
Structural Analysis of Polymeric Composite Materials
Handbook of Machinery Dynamics
Thermodynamics
Practical Guide to Pressure Vessel Manufacturing
Theory of Dimensioning
Solid Fuels Combustion and Gasification
Nondestructive Evaluation
Rapid Prototyping Technology
Vehicle Stability
Mechanical Reliability Improvement
Fluidized Bed Combustion
Manuel Laguna James Moody Tad Crawford Ellen Lupton Jim Postell Iain G. Currie Subrata Mukherjee Stephen A. McKeown J.A. McGeough Mark E. Tuttle Lynn Faulkner Earl Logan Jr. Sunil Kumar Pullarcot Vijay Srinivasan Marcio L. de Souza-Santos Peter J. Shull Kenneth Cooper Dean Karnopp Robert Little Simeon Oka

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most textbooks on business process management focus on either the nuts and bolts of computer simulation or the managerial aspects of business processes covering both technical and managerial aspects of business process management business process modeling simulation and design second edition presents the tools to design effective business processes and the management techniques to operate them efficiently new to the second edition three completely revised chapters that incorporate extendsim 8 an introduction to simulation a chapter on business process analytics developed from the authors many years of teaching process design and simulation courses the text provides students with a thorough understanding of numerous analytical tools that can be used to model analyze design manage and improve business processes it covers a wide range of approaches including discrete event simulation graphical flowcharting tools deterministic models for cycle time analysis and capacity decisions analytical queuing methods and data mining unlike other operations management books this one emphasizes user friendly simulation software as well as business processes rather than only manufacturing processes or general operations management problems taking an analytical modeling approach to process design this book illustrates the power of simulation modeling as a vehicle for analyzing and designing business processes it teaches how to apply process simulation and discusses the managerial implications of redesigning processes the extendsim software is available online and ancillaries are available for instructors

written by a leading design consultant and carefully updated with the latest information on the industry this is the essential guide to earning a living marketing skills furthering a design career and operating a business with more than thirty years of backstage and behind the scenes experience in theater film television concerts and special events james moody shares his success secrets for the benefit of design students and working designers topics include finding and landing dream assignments negotiating fees setting up ideal working spaces building the perfect staff overcoming fears of accounting and record keeping choosing the right insurance joining the right unions and professional organizations and more in addition to revealing how to get the great design jobs in traditional entertainment venues the author shows designers how to think outside the box and seize creative lucrative opportunities such as those in theme parks in concert halls and with architectural firms providing the keys for passionate talented designers to become successful businesspeople the business of theatrical design is a must read for novices and established professionals alike

allworth press an imprint of skyhorse publishing publishes a broad range of books on the visual and performing arts with emphasis on the business of art our titles cover subjects such as graphic design theater branding fine art photography interior design writing acting film how to start careers business and legal forms business practices and more while we don't aspire to publish a new york times bestseller or a national bestseller we are deeply committed to quality books that help creative professionals succeed and thrive we often publish in areas overlooked by other publishers and welcome the author whose expertise can help our audience of readers

our bestselling introduction to graphic design is now available in a revised and updated edition in graphic design the new basics second edition revised and expanded bestselling author ellen lupton thinking with type type on screen and design educator jennifer cole phillips explain the key concepts of visual language that inform any work of design from logo or letterhead to a complex website through visual demonstrations and concise commentary students and professionals explore the formal elements of twodimensional design such as point line plane scale hierarchy layers and transparency this revised edition replaces sixty four pages of the original publication with new content including new chapters on visualizing data typography modes of representation and gestalt principles and adds sixteen pages of new student and professional work covering such topics as working with grids and designing with color

the comprehensive guide to furniture design expanded and updated furniture designers draw on a range of knowledge and disciplines to create their work from history to theory to technology furniture design offers a comprehensive survey of the essential craft and practice related aspects of furniture design generously illustrated with photographs and drawings including a new color section this second edition features updated coverage of material specifications green design digital design and fabrication technologies it also features twenty five case studies of furniture design that represent a broad selection of works designers and techniques including recent designs produced within the last decade the book explores furniture function and social use form spatial organization and typological orders structural integrity and composition accessibility universal design human factors and ergonomics the design process from schematics through fabrication materials processes and methods of fabrication professional practice and marketing the history of furniture design from prehistory to the digital age complete with a glossary of terms and a comprehensive bibliography furniture design second

edition is a one stop resource that furniture designers will turn to regularly for the advice guidance and information needed to perform their craft

retaining the features that made previous editions perennial favorites fundamental mechanics of fluids third edition illustrates basic equations and strategies used to analyze fluid dynamics mechanisms and behavior and offers solutions to fluid flow dilemmas encountered in common engineering applications the new edition contains completely re

boundary methods elements contours and nodes presents the results of cutting edge research in boundary based mesh free methods these methods combine the dimensionality advantage of the boundary element method with the ease of discretization of mesh free methods both of which for some problems hold distinct advantages over the finite element

fills the niche between purely technical engineering texts and sophisticated engineering software guides providing a pragmatic common sense approach to analyzing and remedying electronic packaging configuration problems combines classical engineering techniques with modern computing to achieve optimum results in assessment cost and accuracy

explaining principles underlying the main micromachining practices currently being used and developed in industrial countries around the world micromachining of engineering materials outlines advances in material removal that have led to micromachining discusses procedures for precise measurement includes molecular level theories describes vapo

structural analysis of polymeric composite materials studies the mechanics of composite materials and structures and combines classical lamination theory with macromechanic failure principles for prediction and optimization of composite structural performance this reference addresses topics such as high strength fibers commercially available compounds and the behavior of anisotropic orthotropic and transversely isotropic materials and structures subjected to complex loading it provides a wide variety of numerical analyses and examples throughout each chapter and details the use of easily accessible computer programs for solutions to problems presented in the text

considering a broad range of fundamental factors and conditions influencing the optimal design and operation of machinery

the handbook of machinery dynamics emphasizes the force and motion analysis of machine components in multiple applications containing details on basic theories and particular problems the handbook of machinery dynamics reviews machine design for selecting the most appropriate energy transfer mechanisms elaborates on vibration operations develops and numerically illustrates rotordynamic expressions relating to spin speed as well as whirl magnitude speed mode and ratio examines fluid structure interactions and ways to prevent structural damage through fluid machinery stall or cavitation calculates dynamic responses of machine tool and workpiece systems and analyzes the machine tool cutting process as a nonlinear dynamic system offers forecasting methods for natural frequencies and mode shapes of blade disk assemblies and axial thrust loads on turbomachine bearings addresses damage control maintenance requirements and troubleshooting techniques for ensuring reliable machinery performance and more

provides a solid grounding in the basic principles of the science of thermodynamics proceeding to practical hands on applications in large scale industrial settings presents myriad applications for power plants refrigeration and air conditioning systems and turbomachinery features hundreds of helpful example problems and analytical exercises

explores vessel fabrication and the corresponding procedures of quality and control details the necessary methods for code specification compliance clarifies the inspection testing and documentation of the asme code

encompassing a wide range of mathematical concepts this text reference presents a comprehensive theory of dimensioning and parameterizing of geometric models this volume develops a unified and systematic theory of intrinsic and relational dimensioning using the powerful notion of congruence packed with illustrative examples and exercises it explains how basic geometric knowledge can be used to understand and approach various dimensioning challenges and provides valuable methods for parameterizing geometric models this valuable reference discusses how dimensional constraints are resolved and managed and offers effective techniques to dimension and parameterize solids

bridging the gap between theory and application this reference demonstrates the operational mechanisms modeling and simulation of equipment for the combustion and gasification of solid fuels solid fuels combustion and gasification modeling simulation and equipment operation clearly illustrates procedures to improve and optimize the de

describing the issues associated with real world applications this comprehensive book details conventional and forthcoming technologies it instructs on current practices common techniques and equipment applications and the potentials and limitations of current methods each chapter details a different method providing an overview and

reviews operation principles and methods for most solid freeform technologies and historical systems data illustrates the uses and mechanical details for a number of systems including jet system 5 ballistic particle manufacturing fused deposition modeling laminated object manufacturing stereolithography and selective laser sintering

this reference offers a systematic approach to the dynamics and stability of vehicles such as cars bicycles trailers motorcycles and trains and shows how mathematical models of varying degrees of complexity can be used to suggest design guidelines for assurance of vehicle stability based on more than 30 years of teaching experience from a renowned

providing probability and statistical concepts developed using pseudorandom numbers this book covers enumeration simulation and randomization based statistical analyses for comparison of the test performance of alternative designs as well as simulation and randomization based tests for examination of the credibility of statistical presumptions the book discusses centroid and moment of inertia analogies for mean and variance and the organization structure of completely randomized randomized complete block and split plot experiment test programs purchase of the text provides access to 200 microcomputer programs illustrating a wide range of reliability and statistical analyses

a realization of recent clean energy initiatives fluidized bed combustion fbc has quickly won industry preference due to its ability to burn materials as diverse as low grade coals biomass and industrial and municipal waste fluidized bed combustion catalogs the fundamental physical and chemical processes required of bubbling fluidized beds before launching into application centered coverage of hot gas generator incinerator and boiler concepts and design calculations for regime parameters and dimensions and all aspects of fbc operation it enumerates the environmental consequences of fluidized bed processes and proposes measures to reduce the formation of harmful emissions

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Introduction

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