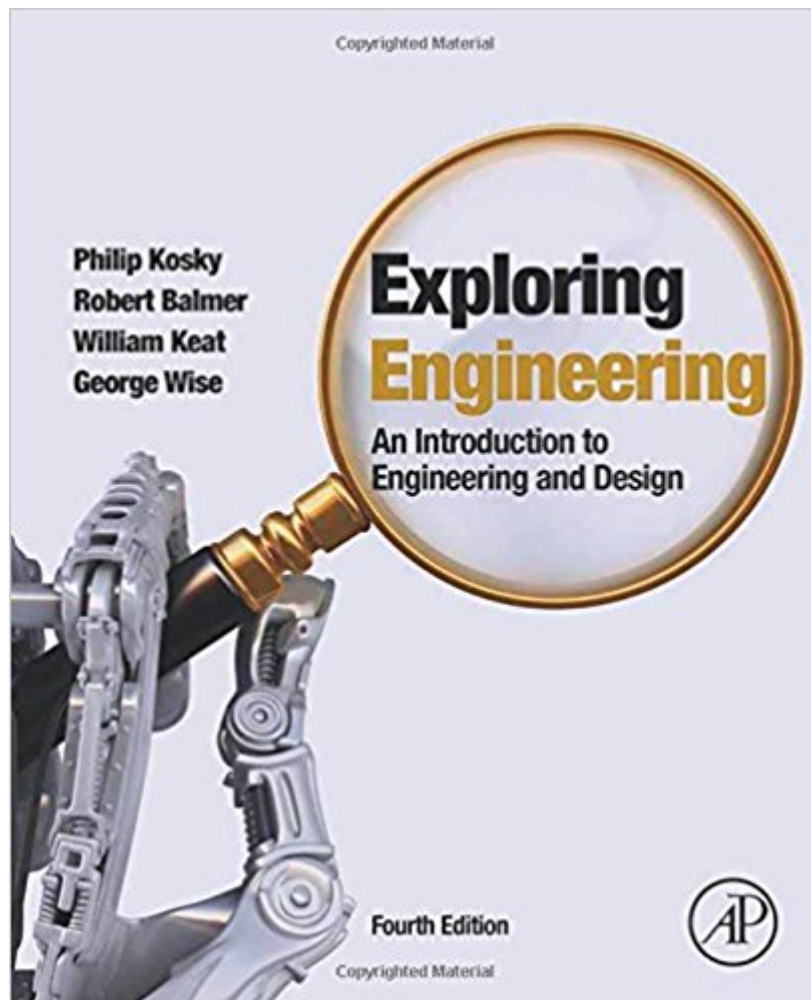




Ebook Directory
the best source of ebook

The book was found

Exploring Engineering, Fourth Edition: An Introduction To Engineering And Design



Synopsis

Exploring Engineering, Fourth Edition: An Introduction to Engineering and Design, winner of a 2017 Textbook Excellence Award (Texty), presents the emerging challenges engineers face in a wide range of areas as they work to help improve our quality of life. In this classic textbook, the authors explain what engineers actually do, from the fundamental principles that form the basis of their work to the application of that knowledge within a structured design process. The text itself is organized into three parts: Lead-On, Minds-On, Hands-On. This organization allows the authors to give a basic introduction to engineering methods, then show the application of these principles and methods, and finally present a design challenge. This book is an ideal introduction for anyone interested in exploring the various fields of engineering and learning how engineers work to solve problems.

Winner of a 2017 Textbook Excellence Award (Texty) from the Textbook & Academic Authors Association

NEW: Chapters on Aeronautical Engineering, Industrial Engineering, and Design Teams

NEW: Expanded content in the chapters "Defining the Problem," "Generation of 'Alternative Concepts'," and "Detailed Design"

NEW: Material on sustainability issues in engineering

Introduces students to the engineering profession, emphasizing the fundamental physical, chemical, and material bases for all engineering work

Includes an Engineering Ethics Decision Matrix used throughout the book to pose ethical challenges and explore decision-making in an engineering context

Lists of "Top Engineering Achievements" and "Top Engineering Challenges" help put the material in context and show engineering as a vibrant discipline involved in solving societal problems

Companion Web site includes links to several new drawing supplements, including "Free-hand Engineering Sketching," (detailed instructions on free-hand engineering sketching); "AutoCAD Introduction," (an introduction to the free AutoCAD drawing software); and "Design Projects," (new freshman-level design projects that complement the "Hands-On" part of the textbook).

Book Information

Hardcover: 552 pages

Publisher: Academic Press; 4 edition (July 9, 2015)

Language: English

ISBN-10: 0128012420

ISBN-13: 978-0128012420

Product Dimensions: 7.7 x 1.2 x 9.3 inches

Shipping Weight: 2.8 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #52,495 in Books (See Top 100 in Books) #10 in [Books > Engineering & Transportation > Engineering > Bioengineering > Biomedical Engineering](#) #14 in [Books > Textbooks > Engineering > Environmental Engineering](#) #35 in [Books > Textbooks > Engineering > Industrial Engineering](#)

Customer Reviews

Easier to understand than my teacher

[Download to continue reading...](#)

Exploring Engineering, Fourth Edition: An Introduction to Engineering and Design G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series) [Hardcover])(2008) Exploring Engineering: An Introduction to Engineering and Design Graphic Design Success: Over 100 Tips for Beginners in Graphic Design: Graphic Design Basics for Beginners, Save Time and Jump Start Your Success (graphic ... graphic design beginner, design skills) Design, When Everybody Designs: An Introduction to Design for Social Innovation (Design Thinking, Design Theory) Gravity Sanitary Sewer Design and Construction (ASCE Manuals and Reports on Engineering Practice No. 60) (Asce Manuals and Reports on Engineering ... Manual and Reports on Engineering Practice) Introduction to Engineering Design Book 9, Second Edition Engineering Skills and Hovercraft Missions Introduction to Engineering Design, Book 11, 4th Edition: Engineering Skills and Quadcopter Missions Computer Organization and Design, Fourth Edition: The Hardware/Software Interface (The Morgan Kaufmann Series in Computer Architecture and Design) Bridge Engineering: Design, Rehabilitation, and Maintenance of Modern Highway Bridges, Fourth Edition (P/L Custom Scoring Survey) Introduction to Engineering Design and Problem Solving (BEST Basic Engineering Series & Tools) Aircraft Structures for Engineering Students, Fourth Edition (Elsevier Aerospace Engineering) Biomedical Engineering Fundamentals (The Biomedical Engineering Handbook, Fourth Edition) (Volume 1) Introduction to Coastal Engineering and Management (Advanced Series on Ocean Engineering) (Advanced Series on Ocean Engineering (Paperback)) Engineering Materials 2, Fourth Edition: An Introduction to Microstructures and Processing (International Series on Materials Science and Technology) Engineering Fundamentals: An Introduction to Engineering (Activate Learning with these NEW titles from Engineering!) Nuclear Energy, Fourth Edition: An Introduction to the Concepts, Systems, and Applications of Nuclear Processes (Pergamon Unified Engineering Series) Introduction to the Musical Art of Stage Lighting Design: Fourth Edition Introduction to Optimum Design, Fourth Edition

Materials Engineering and Exploring Properties (Engineering in Action)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)