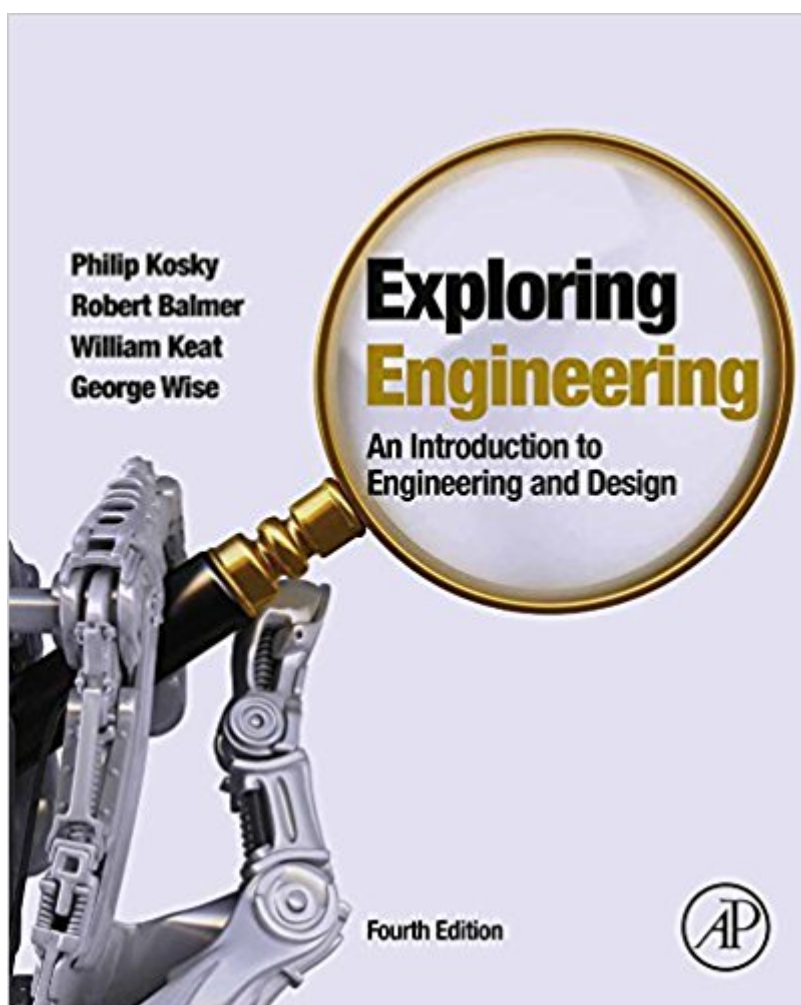


The book was found

Exploring Engineering: 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

File Size: 38120 KB

Print Length: 517 pages

Publisher: Academic Press; 4 edition (June 11, 2015)

Publication Date: June 11, 2015

Sold by: Amazon Digital Services LLC

Language: English

ASIN: B00ZZQ275U

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #112,318 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #14

in Kindle Store > Kindle eBooks > Nonfiction > Science > Biological Sciences > Biotechnology

#20 in Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Civil >

Environmental #30 in Kindle Store > Kindle eBooks > Engineering & Transportation >

Engineering > Electrical & Electronics > Electricity Principles

Customer Reviews

Easier to understand than my teacher

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

Exploring Engineering, Fourth Edition: An Introduction to Engineering and Design 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)

G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series)

[Hardcover])(2008) Introduction to Engineering Design Book 9, Second Edition Engineering Skills

and Hovercraft Missions Introduction to Engineering Design and Problem Solving (BEST Basic

Engineering Series & Tools) Introduction to Engineering Design, Book 11, 4th Edition: Engineering

Skills and Quadcopter Missions Introduction to Coastal Engineering and Management (Advanced

Series on Ocean Engineering) (Advanced Series on Ocean Engineering (Paperback)) Engineering

Fundamentals: An Introduction to Engineering (Activate Learning with these NEW titles from

Engineering!) Materials Engineering and Exploring Properties (Engineering in Action) Exploring

Publication Design (Graphic Design/Interactive Media) Exploring Everglades National Park and the

Surrounding Area: A Guide to Hiking, Biking, Paddling, and Viewing Wildlife in the Region

(Exploring Series) Cave Exploring: The Definitive Guide to Caving Technique, Safety, Gear, and

Trip Leadership (Falcon Guides Cave Exploring) Exploring Washington's Wild Areas, 2nd Edition: A

Guide for Hikers, Backpackers, Climbers, Cross-Country Skiers, and Paddlers (Exploring Washington's Wild Areas: A Guide for Hikers, Backpackers) Exploring Moscow & St. Petersburg, 2nd Edition (Fodor's Exploring Moscow and St Petersburg) Exploring Canyonlands and Arches National Parks (Exploring Series) Exploring Mammoth Cave National Park (Exploring Series) Exploring Shipwrecks: Exploring the fascinating mysteries of the deep blue sea (Young Reed)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)