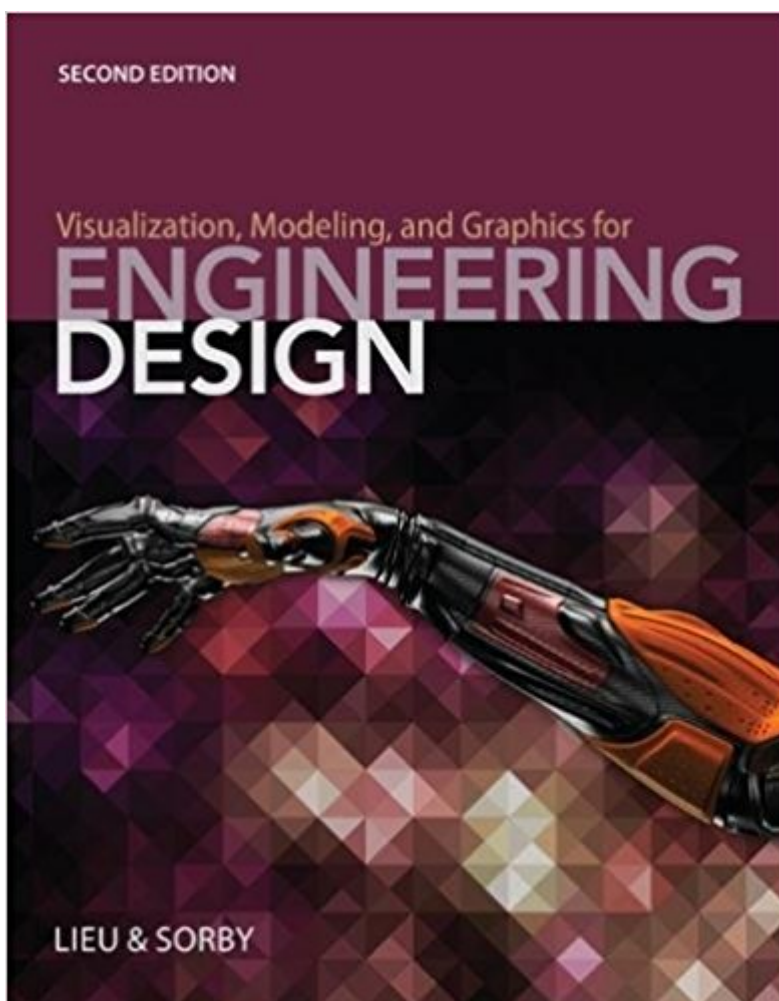


The book was found

Visualization, Modeling, And Graphics For Engineering Design



Synopsis

Created for the next generation of engineering professionals, VISUALIZATION, MODELING, AND GRAPHICS FOR ENGINEERING DESIGN, Second Edition, combines coverage of traditional drafting essentials and the cutting-edge technology and methods today's professionals need to master for career success. This versatile text provides a strong grounding in fundamentals including core design skills, geometric dimensioning and tolerancing, sketching and drawing, and industry- and discipline-specific applications, even while recognizing how computers have enabled visualizing and modeling techniques that have changed the engineering design process. Working from this modern perspective, the authors explore critical process phases such as creative thinking, product ideation, and advanced analysis, as well as problem solving, collaboration, and communication skills essential for today's engineers and technicians. In addition to numerous updates to reflect the latest technology and trends, the Second Edition of this groundbreaking text features a more streamlined presentation, with a mix of printed and online chapters and a highly modular structure that make it easy to focus on specific topics or interests.

Book Information

Hardcover: 1086 pages

Publisher: Delmar Cengage Learning; 2 edition (January 13, 2016)

Language: English

ISBN-10: 1285172957

ISBN-13: 978-1285172958

Product Dimensions: 8.5 x 1.2 x 10.9 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 3 customer reviews

Best Sellers Rank: #233,225 in Books (See Top 100 in Books) #38 in [Books > Engineering & Transportation > Engineering > Design](#) #94 in [Books > Engineering & Transportation > Engineering > Mechanical > Drafting & Mechanical Drawing](#) #412 in [Books > Arts & Photography > Architecture > Drafting & Presentation](#)

Customer Reviews

Get ahead with Lieu/Sorby's *Visualization, Modeling, and Graphics for Engineering Design* [View larger](#) [View larger](#) [View larger](#) [View larger](#)

Concise, streamlined chapters. Chapters focus on essential information for each topic, while several additional chapters are available online with expanded coverage, examples, and exercises.

End-of-chapter exercises help you assess understanding. Topics include stress analysis, thermodynamics, and kinematics, as well as a focus on real-world applications. Problems based on real-world challenges. Graphical solutions and a discussion of the key principles provide an introduction to the material based on highly practical, realistic scenarios. Focus on learning & fundamental skill development. Every chapter includes numerous real-world examples to demonstrate current industry best practices and help prepare you for professional success.

#BeUnstoppable with MindTap!

[View larger](#)

[View larger](#)

[View larger](#)

[View larger](#)

Perform better with MindTap.

The more time spent in MindTap, the better the results.

Using MindTap throughout your course matters.

Students using apps perform better on assignments.

Everything in One Place with MindTap

[View larger](#)

[View larger](#)

[View larger](#)

[View larger](#)

Tap into engagement. MindTap empowers you to produce your best

work consistently. MindTap shows where you stand at all

times both individually and compared to the highest performers in class.

MindTap is designed to help you master the material. Interactive videos, animations, and activities

create a learning path designed by your instructor to guide you through the course and focus on

what's important. MindTap is mobile. The new MindTap Mobile App provides

the mobility and flexibility for you to make any time study time. MindTap helps you stay

organized and efficient. MindTap gives you the study tools to master the material.

"Great approach and critical thinking." "I think the design and layout is good. The book is visually stunning."

Dennis K. Lieu is professor of mechanical engineering at the University of California, Berkeley, where he was formerly the associate dean of student affairs. He also received his B.S., M.S., and D.Eng. in mechanical engineering from U.C. Berkeley. After working for six years as a design engineer in industry, he returned to his alma mater to join its faculty. Professor Lieu has taught engineering graphics for over 25 years and has been a member of the Engineering Design Graphics Division of the American Society for Engineering Education (ASEE) for 23 years. His research interests are in the design of electro-mechanical machines and the design of sports equipment, and he is the author or co-author of numerous articles on engineering graphics education. He is a

member of Tau Beta Pi, Pi Tau Sigma, and Phi Beta Kappa, as well as a recipient of the University of California Distinguished Teaching Award and the Orthogonal Medal awarded by North Carolina State University, for his contributions to engineering graphics education. Sheryl A. Sorby is a professor of engineering education at The Ohio State University. She previously served as associate dean for academic programs and department chair of engineering fundamentals at Michigan Technological University. Professor Sorby received the Sharon Keillor award from the American Society for Engineering Education (ASEE), recognizing outstanding women engineering faculty. She was also the recipient of the Betty Vetter research award through the Women in Engineering Program Advocates Network (WEPAN), for her work in improving the success of women engineering students through the development of a spatial skills course. She has received the Engineering Design Graphics Distinguished Service Award, the Distinguished Teaching Award, and the Dow Outstanding New Faculty Award from ASEE as well, and she serves the organization as associate editor of *Advances in Engineering Education*.

This is great textbook and I really enjoyed reading it. The material was explained correctly. Thank you for your dedication

needed it for class

It's good, but cost \$\$\$

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

Visualization, Modeling, and Graphics for Engineering Design (Available Titles CourseMate)
Engineering Design Graphics: Sketching, Modeling, and Visualization Engineering Design Graphics: Sketching, Modeling, and Visualization, 2nd Edition Visualization, Modeling, and Graphics for Engineering Design The Fundamentals of Visualization, Modeling, and Graphics for Engineering Design Visualization Analysis and Design (AK Peters Visualization Series) The Functional Art: An Introduction to Information Graphics and Visualization (Voices That Matter) (Mixed media product) - Common The Functional Art: An introduction to information graphics and visualization (Voices That Matter) Visualization in Scientific Computing (Focus on Computer Graphics) Introduction to Solid Modeling Using SolidWorks 2017 (Engineering Graphics) Atmospheric and Space Flight Dynamics: Modeling and Simulation with MATLAB[®] and Simulink[®] (Modeling and Simulation in Science, Engineering and Technology) College Algebra with Modeling & Visualization (6th Edition) College Algebra with Modeling & Visualization (5th Edition) College Algebra with Modeling &

Visualization College Algebra with Modeling & Visualization plus MyMathLab with Pearson eText --
Title-Specific Access Card Package (6th Edition) A Practical Guide to Graphics Reporting:
Information Graphics for Print, Web & Broadcast Engineering Design and Graphics with SolidWorks
2016 Engineering Design Graphics with AutoCAD 2007 (12th Edition) Engineering Design Graphics
with Autodesk Inventor 2017 Engineering Design Graphics: Autocad Release 12

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)