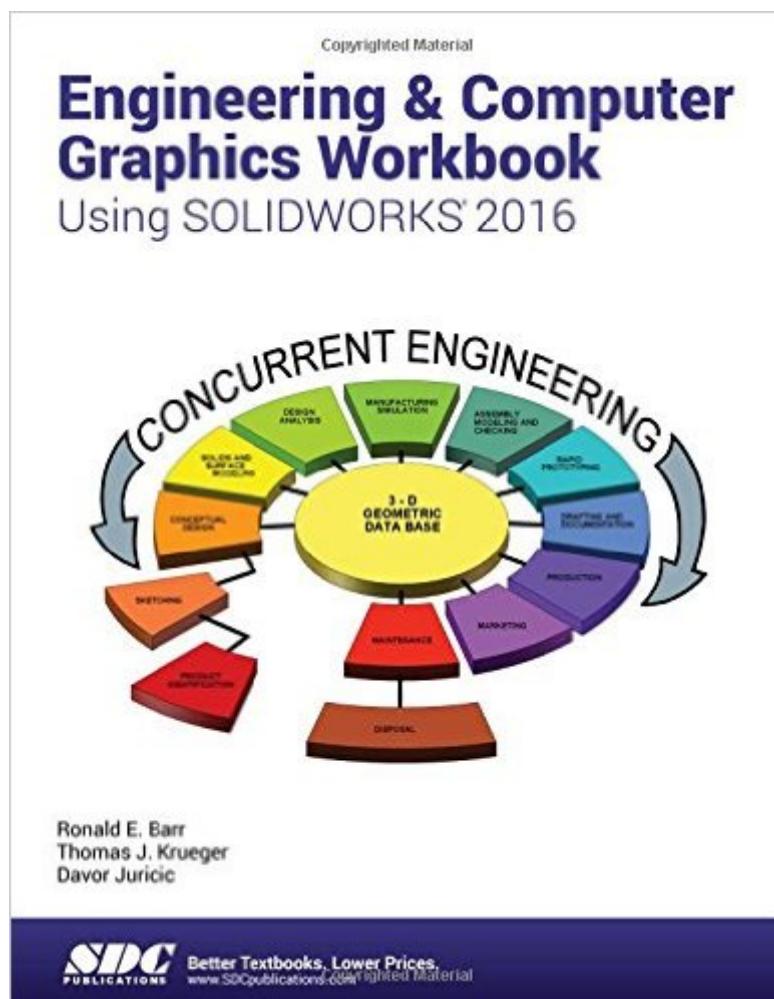


The book was found

Engineering & Computer Graphics Workbook Using SOLIDWORKS 2016



Synopsis

Engineering & Computer Graphics Workbook Using SOLIDWORKS 2016 is an exercise-based workbook that uses step-by-step tutorials to cover the fundamentals of SOLIDWORKS 2016. The intended audience is college undergraduate engineering majors, but it could also be used in pre-college introductory engineering courses or by self learners. The text follows an educational paradigm that was researched and developed by the authors over many years. The paradigm is based on the concurrent engineering approach to engineering design in which the 3-D solid model data serves as the central hub for all aspects of the design process. The workbook systematically instructs the students to develop 3-D models using the rich tools afforded in SOLIDWORKS. The exercises then proceed to instruct the students on applications of the solid model to design analysis using finite elements, to assembly modeling and checking, to kinematic simulation, to rapid prototyping, and finally to projecting an engineering drawing. The workbook is ideally suited for courses in which a reverse engineering design project is assigned. This book contains clear and easy to understand instructions that enable the students to robustly learn the main features of SOLIDWORKS, with little or no instructor input.

Table of Contents Computer Graphics Labs:

- 1. 2-D Computer Sketching I
- 2. 2-D Computer Sketching II
- 3. 3-D Solid Modeling of Parts I
- 4. 3-D Solid Modeling of Parts II
- 5. Assembly Modeling and Mating
- 6. Analysis and Design Modification I
- 7. Analysis and Design Modification II
- 8. Kinematics Animation, Creating Views and Rapid Prototyping
- 9. Section Views in 3-D and 2-D
- 10. Generating and Dimensioning Three-View Drawings
- Appendix A: Example of a TitleBlock with Dimensions

Book Information

Perfect Paperback: 252 pages

Publisher: SDC Publications; Workbook edition (May 9, 2016)

Language: English

ISBN-10: 1585039950

ISBN-13: 978-1585039951

Product Dimensions: 10.9 x 8.5 x 0.7 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #780,751 in Books (See Top 100 in Books) #77 in Books > Computers & Technology > Graphics & Design > CAD > Solidworks #887 in Books > Computers & Technology > Graphics & Design > Computer Modelling #1229 in Books > Arts & Photography > Architecture

> Drafting & Presentation

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

Engineering & Computer Graphics Workbook Using SOLIDWORKS 2016 SOLIDWORKS 2016 and Engineering Graphics: An Integrated Approach Engineering Graphics with SOLIDWORKS 2016 and Video Instruction Certified SOLIDWORKS Expert Preparation Materials SOLIDWORKS 2016 Engineering Analysis with SOLIDWORKS Simulation 2016 Introduction to Finite Element Analysis Using SOLIDWORKS Simulation 2016 Analysis of Machine Elements Using SOLIDWORKS Simulation 2016 Python: Python Programming For Beginners - The Comprehensive Guide To Python Programming: Computer Programming, Computer Language, Computer Science Python: Python Programming For Beginners - The Comprehensive Guide To Python Programming: Computer Programming, Computer Language, Computer Science (Machine Language) Thermal Analysis with SOLIDWORKS Simulation 2016 and Flow Simulation 2016 Parametric Modeling with SOLIDWORKS 2016 SOLIDWORKS 2016 Basic Tools SOLIDWORKS 2016 Advanced Techniques SOLIDWORKS 2016 Intermediate Skills SOLIDWORKS 2016 in 5 Hours with Video Instruction SOLIDWORKS 2016 Learn by doing: Part, Assembly, Drawings, Sheet metal, Surface Design, Mold Tools, Weldments, DimXpert, and Rendering Motion Simulation and Mechanism Design with SOLIDWORKS Motion 2016 Beginner's Guide to SOLIDWORKS 2016 - Level II An Introduction to SOLIDWORKS Flow Simulation 2016 SolidWorks Electrical 2016 Black Book

[Dmca](#)