



Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015

By Ronald E. Barr, Davor Juricic, Thomas J. Krueger

Download now

Read Online ➔

Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015

By Ronald E. Barr, Davor Juricic, Thomas J. Krueger

Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 is an exercise-based workbook that uses step-by-step tutorials to cover the fundamentals of SOLIDWORKS 2015. 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

 [**Download** Engineering & Computer Graphics Workbook Using SOL
...pdf](#)

 [**Read Online** Engineering & Computer Graphics Workbook Using S
...pdf](#)

Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015

By Ronald E. Barr, Davor Juricic, Thomas J. Krueger

Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 By Ronald E. Barr, Davor Juricic, Thomas J. Krueger

Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 is an exercise-based workbook that uses step-by-step tutorials to cover the fundamentals of SOLIDWORKS 2015. 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

Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 By Ronald E. Barr, Davor Juricic, Thomas J. Krueger Bibliography

- Sales Rank: #1870718 in Books
- Published on: 2015-07-08
- Original language: English

- Dimensions: 10.75" h x 8.25" w x .75" l, 1.42 pounds
- Binding: Perfect Paperback
- 250 pages

 [Download Engineering & Computer Graphics Workbook Using SOL ...pdf](#)

 [Read Online Engineering & Computer Graphics Workbook Using S ...pdf](#)

Editorial Review

Users Review

From reader reviews:

Lisa Marsh:

Here thing why this specific Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 are different and trusted to be yours. First of all examining a book is good but it really depends in the content than it which is the content is as delicious as food or not. Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 giving you information deeper as different ways, you can find any publication out there but there is no guide that similar with Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015. It gives you thrill looking at journey, its open up your eyes about the thing which happened in the world which is probably can be happened around you. You can easily bring everywhere like in park your car, café, or even in your means home by train. If you are having difficulties in bringing the published book maybe the form of Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 in e-book can be your alternate.

Percy Brown:

The knowledge that you get from Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 is a more deep you digging the information that hide into the words the more you get considering reading it. It doesn't mean that this book is hard to comprehend but Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 giving you joy feeling of reading. The article writer conveys their point in selected way that can be understood by anyone who read it because the author of this e-book is well-known enough. That book also makes your own personal vocabulary increase well. That makes it easy to understand then can go to you, both in printed or e-book style are available. We recommend you for having this particular Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 instantly.

Michael Carr:

This book untitled Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 to be one of several books that will best seller in this year, this is because when you read this guide you can get a lot of benefit on it. You will easily to buy this specific book in the book retail store or you can order it by using online. The publisher in this book sells the e-book too. It makes you more readily to read this book, as you can read this book in your Cell phone. So there is no reason to you personally to past this guide from your list.

Gary Games:

People live in this new day of lifestyle always make an effort to and must have the time or they will get great deal of stress from both lifestyle and work. So , when we ask do people have time, we will say absolutely indeed. People is human not just a robot. Then we question again, what kind of activity do you possess when the spare time coming to you actually of course your answer may unlimited right. Then do you try this one, reading textbooks. It can be your alternative within spending your spare time, the actual book you have read is Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015.

Download and Read Online Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 By Ronald E. Barr, Davor Juricic, Thomas J. Krueger #K6TGO9MWVCQ

Read Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 By Ronald E. Barr, Davor Juricic, Thomas J. Krueger for online ebook

Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 By Ronald E. Barr, Davor Juricic, Thomas J. Krueger Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 By Ronald E. Barr, Davor Juricic, Thomas J. Krueger books to read online.

Online Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 By Ronald E. Barr, Davor Juricic, Thomas J. Krueger ebook PDF download

Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 By Ronald E. Barr, Davor Juricic, Thomas J. Krueger Doc

Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 By Ronald E. Barr, Davor Juricic, Thomas J. Krueger Mobipocket

Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 By Ronald E. Barr, Davor Juricic, Thomas J. Krueger EPub

K6TGO9MWVCQ: Engineering & Computer Graphics Workbook Using SOLIDWORKS 2015 By Ronald E. Barr, Davor Juricic, Thomas J. Krueger