

2D and 3D with CourseMate Printed Access Card: A Comprehensive Overview

"2D and 3D with CourseMate Printed Access Card" by Gary Bertoline is a comprehensive textbook that introduces students to the principles and practices of computer-aided design (CAD). It covers a wide range of topics, from basic 2D drawing techniques to advanced 3D modeling concepts. The book is accompanied by a CourseMate printed access card, which provides students with online access to additional resources, such as tutorials, quizzes, and simulations.

Learning Objectives

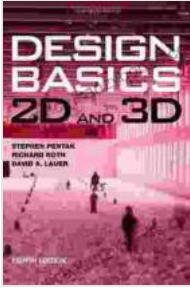
The primary learning objectives of "2D and 3D with CourseMate Printed Access Card" are to:

- Introduce students to the fundamental concepts of CAD.
- Develop students' skills in 2D drawing and 3D modeling.
- Prepare students for careers in engineering, architecture, and other fields that require CAD skills.

Target Audience

The book is primarily designed for students who are new to CAD. It is also a valuable resource for professionals who are looking to brush up on their skills or learn new techniques.

Design Basics: 2D and 3D: 2D and 3D (with CourseMate Printed Access Card) by Stephen Pentak



★★★★☆ 4 out of 5
Language : English
File size : 76963 KB
Screen Reader : Supported
Print length : 528 pages
X-Ray for textbooks : Enabled



Pedagogical Approaches

The book uses a variety of pedagogical approaches to help students learn the material. These approaches include:

- **Clear and concise explanations:** The book's text is written in a clear and concise style, making it easy for students to understand the concepts being discussed.
- **Step-by-step instructions:** The book provides step-by-step instructions for completing common CAD tasks. This helps students to learn the material in a structured and systematic way.
- **Practice exercises:** The book includes a variety of practice exercises that allow students to apply their knowledge and skills. This helps students to reinforce what they have learned and to develop their confidence in using CAD.
- **Real-world examples:** The book includes real-world examples of CAD applications. This helps students to see how CAD is used in the real world and to understand the value of CAD skills.

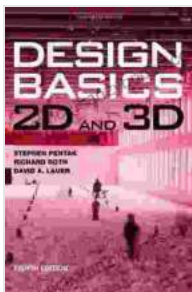
Content

The book is divided into 20 chapters, which cover the following topics:

- **Chapter 1:** to CAD
- **Chapter 2:** Getting Started with AutoCAD
- **Chapter 3:** Basic Drawing Techniques
- **Chapter 4:** Advanced Drawing Techniques
- **Chapter 5:** to 3D Modeling
- **Chapter 6:** Creating 3D Objects
- **Chapter 7:** Modifying 3D Objects
- **Chapter 8:** Rendering and Animation
- **Chapter 9:** Parametric Modeling
- **Chapter 10:** SolidWorks
- **Chapter 11:** Creo
- **Chapter 12:** Engineering Graphics
- **Chapter 13:** Technical Illustration
- **Chapter 14:** Architectural CAD
- **Chapter 15:** Mechanical CAD
- **Chapter 16:** Electrical CAD
- **Chapter 17:** Civil CAD
- **Chapter 18:** GIS
- **Chapter 19:** Simulation

- **Chapter 20:** Career Opportunities in CAD

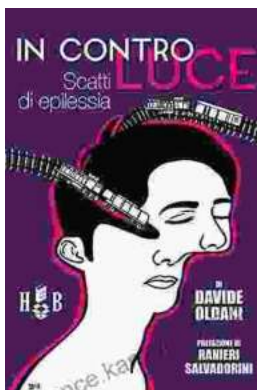
"2D and 3D with CourseMate Printed Access Card" is a valuable resource for students and professionals who are looking to learn or improve their CAD skills. The book's clear and concise explanations, step-by-step instructions, practice exercises, and real-world examples make it an effective learning tool. The CourseMate printed access card provides students with additional online resources that can help them to succeed in their CAD studies.



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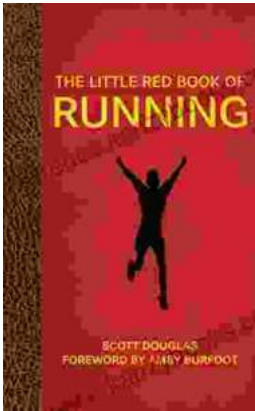
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Book Review: In Contro Luce Scatti Di Epilessia

In Contro Luce Scatti Di Epilessia Author: Elisa Serafini Publisher: Postcart Edizioni Publication Date: 2019 ...



The Little Red Book of Running: A Comprehensive Guide to the World's Most Popular Sport

Running is one of the most popular sports in the world. It's a great way to get fit, lose weight, and relieve stress. But if you're new to...