

Autodesk Inventor 2017 The Complete Guide Cadline Training

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*Autodesk AutoCAD
Architecture 2017
Fundamentals* SDC
Publications

This fundamentals text introduces you to Autodesk's AutoCAD Architecture 2017 software. The book covers the Layer Manager, Design Center, Structural Members, Doors, Windows, and Walls. Step-by-step lessons take the reader from creation of a site plan,

floor plan, and space planning, all the way through to the finished building - a standard three bedroom, two bathroom residence. By the end of the text, you should feel comfortable enough to create a standard model, and even know how to customize the interface for your own use. This text provides you with in-depth coverage of toolbars, dialog boxes and commands. Educators will appreciate the quizzes and practice exam included in the text.

Tools for Design Using AutoCAD 2017 and Autodesk Inventor 2017 SDC Publications

Principles and Practices An Integrated Approach to Engineering Graphics and AutoCAD 2017

combines an introduction to AutoCAD 2017 with a comprehensive coverage of engineering graphics principles. By adopting this textbook, you will no longer need to adopt separate CAD and engineering graphics books for your course. Not only will this unified approach give your course a smoother flow, your students will also save money on their textbooks. What's more, the tutorial exercises in this text have been expanded to cover the performance tasks found on the AutoCAD 2017 Certified User Examination. The primary goal of Principles and Practices An Integrated Approach to Engineering Graphics

and AutoCAD 2017 is to introduce the aspects of engineering graphics with the use of modern Computer Aided Design/Drafting software - AutoCAD 2017. This text is intended to be used as a training guide for students and professionals. The chapters in the text proceed in a pedagogical fashion to guide you from constructing basic shapes to making complete sets of engineering drawings. This text takes a hands-on, exercise-intensive approach to all the important concepts of Engineering Graphics, as well as in depth discussions of CAD techniques. This textbook contains a series of twelve chapters, with detailed

step-by-step tutorial-style lessons designed to introduce beginning CAD users to the graphic language used in all branches of technical industry. The CAD techniques and concepts discussed in the text are also designed to serve as the foundation to the more advanced parametric feature-based CAD packages, such as Autodesk Inventor.

Autodesk Inventor 2018: Working with Imported Data
Createspace
Independent Publishing Platform

Autodesk Fusion 360: A Tutorial Approach
Introduces the readers to Autodesk Fusion 360, the first 3D/CAD/CAM/CAE tool that connects the entire product development process

in a single cloud-based platform where different design teams work together in hybrid environment and harness the power of the cloud when necessary as well as use local resources. The chapters in this book are arranged in pedagogical sequence that makes it very effective in learning the features and capabilities of the software. This book covers all important topics and concepts such as Part Design, Assembly Design, Drafting, Animation, Basics of Sheet Metal. Salient Features Book consisting of 10 chapters that are organized in a pedagogical sequence. Summarized content on the first page of the topics that are covered in the chapter. More

than 40 real-world mechanical engineering problems used as tutorials and projects with step-by-step explanation. Additional information throughout the book in the form of notes and tips. Self-Evaluation Tests and Review Questions at the end of each chapter to help the users assess their knowledge. Technical support by contacting techsupport@cadcim.com. Additional learning resources at '<https://allaboutcadcam.blogspot.com>'. Table of Contents Chapter 1: Introduction Chapter 2: Drawing Sketches for Solid Models Chapter 3: Adding Constraints and Dimensions to Sketches Chapter 4: Advance Modeling-I Chapter 5: Creating Reference Geometries Chapter 6: Advance

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Assembling Introduction SDC
Components Chapter 8: Working with Drawing and Animation Publications
Workspace Chapter 9: Autodesk Inventor Professional 2021 for
Working with Sheet Metal Components Designers is a
Chapter 10: Managing and Collaborating on the Cloud Index Free comprehensive book
Teaching and Learning Resources CAD/CIM that introduces the
Technologies provides the following free users to Autodesk
the following free teaching and learning Inventor 2021, a
resources with this feature-based 3D
textbook: Technical parametric solid
support by contacting modeling software. All
'techsupport@cadcim.com' Part files used in environments of this
om' Part files used in solid modelling
tutorials, exercises*, and software are covered in
and illustrations this book with a
Instructor Guide with thorough explanation
solution to all review of commands, options,
questions and their applications
and exercises* to create real-world
Additional products. The
learning resources at mechanical
'https://allaboutcadcam engineering industry
.blogspot.com' and examples that are used
'youtube.com/cadcimte as tutorials and the
ch' (* For faculty only) related additional
exercises at the end of
each chapter help the
users to understand
the design techniques

used in the industry to design a product. Additionally, the author emphasizes on the solid modelling techniques that will improve the productivity and efficiency of the users. After reading this book, the users will be able to create solid parts, sheet metal parts, assemblies, weldments, drawing views with bill of materials, presentation views to animate the assemblies and apply direct modelling techniques to facilitate rapid design prototyping. Also, the users will learn the editing techniques that are essential for making a successful design. Salient Features:

Comprehensive book consisting of 19 chapters organized in a pedagogical sequence. Detailed explanation of all concepts, techniques, commands, and tools of Autodesk Inventor Professional 2021. Tutorial approach to explain the concepts. Step-by-step instructions that guide the users through the learning process. Real-world mechanical engineering designs as tutorials and projects. Self-Evaluation Test, Review Questions, and Exercises are given at the end of the chapters

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Chapter 19: Introduction to Plastic

Mold Design (For free download)
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for Autodesk® Inventor® and Other Feature-Based Modelling Software
SDC Publications

Parametric Modeling with Autodesk Inventor 2017 contains a series of sixteen tutorial style lessons designed to introduce Autodesk Inventor, solid modeling, and parametric modeling. It uses a hands-on, exercise-intensive approach to all the important parametric modeling techniques and concepts. The lessons guide the user from constructing basic shapes to building intelligent mechanical designs, creating multi-view drawings and assembly models. Other featured topics include sheet metal design, motion

analysis, 2D design reuse, collision and contact, stress analysis and the Autodesk Inventor 2017 Certified User Examination.

Exploring Autodesk Navisworks 2017, 4th Edition CADCIM Technologies

Autodesk Inventor 2018 Essentials Plus provides the foundation for a hands-on course that covers basic and advanced Autodesk Inventor features used to create, edit, document, and print parts and assemblies. You learn about part and assembly modeling through real-world exercises. Autodesk Inventor 2018 Essentials Plus demonstrates critical CAD concepts, from basic sketching and modeling through advanced modeling

techniques, as it equips you with the skills to master this powerful professional tool. The book walks you through every component of the software, including the user interface, toolbars, dialogue boxes, sketch tools, drawing views, assembly modeling, and more. Its unique modular organization puts key information at your fingertips, while step-by-step tutorials make it an ideal resource for self-learning. Packed with vivid illustrations and practical exercises that emphasize modern-day applications, Autodesk Inventor 2018 Essentials Plus will prepare you for work in the real world. Each chapter is organized into four sections. Objectives, which

describe the content and learning objectives; topic coverage, which presents a concise review of the topic; exercises, which present the workflow for a specific command or process through illustrated step-by-step instructions; and finally a checking your skills section, which tests your understanding of the material.

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Autodesk Official Press
CADCIM Technologies

The AutoCAD Electrical 2018 for Electrical Control Designers book has been written to assist the engineering students and the practicing designers who are new to AutoCAD Electrical. Using this book, the readers can learn the application of basic

tools required for creating professional electrical control drawings with the help of AutoCAD Electrical. Keeping in view the varied requirements of the users, this book covers a wide range of tools and features such as schematic drawings, Circuit Builder, panel drawings, parametric and nonparametric PLC modules, stand-alone PLC I/O points, ladder diagrams, point-to-point wiring diagrams, report generation, creation of symbols, and so on. This will help the readers to create electrical drawings easily and effectively. Special emphasis has been laid on the introduction of concepts, which have been explained using text and supported with graphical examples. The examples and tutorials used in this book ensure that the users can relate the information provided in this book with the practical industry designs. Salient Features: Consists of 13 chapters and 2 projects that are organized in a pedagogical sequence. Comprehensive coverage of AutoCAD Electrical 2018 concepts and techniques. Tutorial approach to explain the concepts of AutoCAD Electrical 2018. Detailed explanation of all commands and tools. Summarized content on the first page of the topics that are covered in the chapter. Hundreds of illustrations for easy understanding of concepts. Step-by-step

instructions to guide the users through the learning process. Emphasis on Why and How with explanation. More than 45 tutorials and projects. Additional information throughout the book in the form of notes and tips. Self-Evaluation Tests and Review Questions at the end of each chapter to help the users assess their knowledge. Technical support by contacting 'techsupport@cadcim.com'. Table of Contents Chapter 1: Introduction to AutoCAD Electrical 2018 Chapter 2: Working with Projects and Drawings Chapter 3: Working with Wires Chapter 4: Creating Ladders Chapter 5: Schematic Components Chapter 6: Schematic Editing Chapter 7: Connectors, Point-to-Point Wiring Diagrams,

and Circuits Chapter 8: Panel Layouts Chapter 9: Schematic and Panel Reports Chapter 10: PLC Modules Chapter 11: Terminals Chapter 12: Settings, Configurations, Templates, and Plotting Chapter 13: Creating Symbols Project 1 Project 2 Index

Autodesk Inventor 2017 SDC Publications

A step-by-step tutorial on Autodesk Inventor basics Autodesk Inventor is used by design professionals for 3D modeling, generating 2D drawings, finite element analysis, mold design, and other purposes. This tutorial is aimed at novice users of Inventor and gives you all the basic information you need so you can get the essential skills to work

in Autodesk Inventor immediately. This book will get you started with basics of part modeling, assembly modeling, presentations, and drawings. Next, it teaches you some intermediate level topics such as additional part modeling tools, sheet metal modeling, top down assembly feature, assembly joints, and dimension & annotations. Brief explanations, practical examples and stepwise instructions make this tutorial complete.

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1. Getting Started with Inventor 2017
2. Part Modeling Basics
3. Assembly Basics
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6. Sheet Metal Modeling
7. Top-Down Assembly and Motion

Simulation 8. Dimensions and Annotations If you are an educator, you can request a free evaluation copy by sending us an email to online.books999@gmail.com

Autodesk AutoCAD 2017 and Inventor 2017 Tutorial John Wiley & Sons

Autodesk AutoCAD 2017 and Inventor 2017 Tutorial will help you to learn the basics of Autodesk AutoCAD and Inventor. It is very concise and has real-world examples that help you to learn AutoCAD and Inventor. The first part of this book covers AutoCAD basics in a step-by-step manner. Each command has a brief explanation and an example. After completing the first part, you will be good

at creating 2D drawings, modifying drawings, dimensions and annotations, blocks and external references, layouts and printing, and 3D basics. The second part of this book covers Inventor basics. A brief explanation about the user interface is followed by tutorials covering the basics of Part Modeling, Assembly design, and Drafting. The later chapters cover some additional part modeling tools, sheet metal modeling, top-down assembly design, assembly joints, and drawing annotations. If you are an educator, you can request a free evaluation copy by sending us an email to online.books999@gmail.com

CADCIM Technologies
Introduction to Java

Programming is a book for software developers to familiarize them with the concept of object-oriented programming (OOP). The book enables the reader to understand the basic features of Java. The line-by-line explanation of the source code, a unique feature of the book, enables the students to gain a thorough and practical understanding of Java. The chapters in this book are structured in a pedagogical sequence, which makes this book very effective in learning the features and capabilities of the software. Salient Features Each concept discussed in the book is exemplified by an application to clarify and facilitate better understanding. This

book introduces the key ideas of object-oriented programming in an innovative way. The concepts are illustrated through best programs, covering the basic aspects of Java. Additional information is provided to the users in the form of notes. There is an extensive use of examples, schematic representation, screen captures, tables, and programming exercises. Table of Contents Chapter 1: Introduction to Java Chapter 2: Fundamental Elements in Java Chapter 3: Control Statements and Arrays Chapter 4: Classes and Objects Chapter 5: Inheritance Chapter 6: Packages, Interfaces, and Inner Classes Chapter 7: Exception Handling Chapter 8:

Multithreading Chapter 9: String Handling Chapter 10: Introduction to Applets and Event Handling Chapter 11: Abstract Window Toolkit Chapter 12: The Java I/O System Index

Autodesk Inventor 2018 Essentials Plus Createspace Independent Publishing Platform

The Autodesk® Inventor® 2018: Working with Imported Geometry student guide teaches you how to work with data from other CAD platforms using the Autodesk Inventor software. Using this student guide, you will learn the various methods for importing data into Autodesk Inventor and how you can edit both imported solid and surface data. Additionally, you will

learn how to index scanned point cloud data, and attach and use it in an Inventor file. The final chapters in this student guide discuss how you can use AutoCAD .DWG files in the Autodesk Inventor software. The topics covered in this student guide are also covered in ASCENT's Autodesk® Inventor® 2018: Advanced Part Modeling student guide, which includes a broader range of advanced learning topics. Topics covered:

- Import CAD data into the Autodesk Inventor software.
- Export CAD data from the Autodesk Inventor software in an available export format.
- Index a supported point cloud data file, attach, and edit it for use in a file.
- Use the Edit Base Solid environment to edit

solids that have been imported into the Autodesk Inventor software.

- Create Direct Edit features in a model that move, resize, scale, rotate, and delete existing geometry in both imported and native Autodesk Inventor files.
- Set the import options to import surface data from other file format types.
- Transfer imported surface data into the Repair Environment to conduct a quality check for errors.
- Appropriately set the stitch tolerance value so that gaps in the imported geometry can be automatically stitched and identify the gaps that are not stitched.
- Use the Repair Environment commands to repair gaps or delete, extend, replace, trim and break

surfaces to successfully create a solid from the imported geometry. - Open an AutoCAD DWG file directly into an Autodesk Inventor part file and review the data. - Use the DWG/DXF File Wizard and its options to import files into an Autodesk Inventor file. - Use an AutoCAD DWG file in an Autodesk Inventor part file so that the geometry created in Inventor remains associative with the AutoCAD DWG file. - Freeform modeling. - Emboss and Decal features. - Advanced Drawing tools (iPart tables, surfaces in drawing views, and custom sketched symbols). - Adding notes with the Engineer's Notebook. Prerequisites: The material covered in

this training guide assumes a mastery of Autodesk Inventor basics as taught in Autodesk® Inventor®: Introduction to Solid Modeling.

Autodesk AutoCAD 2018 and Inventor 2018 Tutorial CAD/CIM Technologies

Autodesk Inventor 2018 and Engineering Graphics: An Integrated Approach will teach you the principles of engineering graphics while instructing you on how to use the powerful 3D modeling capabilities of Autodesk Inventor 2018. Using step by step tutorials, this text will teach you how to create and read engineering drawings while becoming proficient at using the most common features of Autodesk Inventor.

By the end of the book you will be fully prepared to take and pass the Autodesk Inventor Certified User Exam. This text is intended to be used as a training guide for students and professionals. The chapters in this text proceed in a pedagogical fashion to guide you from constructing basic shapes to making complete sets of engineering drawings. This text takes a hands-on, exercise-intensive approach to all the important concepts of Engineering Graphics, as well as in-depth discussions of parametric feature-based CAD techniques. This textbook contains a series of fifteen chapters, with detailed step-by-step tutorial

style lessons, designed to introduce beginning CAD users to the graphic language used in all branches of technical industry. This book does not attempt to cover all of Autodesk Inventor 2018's features, only to provide an introduction to the software. It is intended to help you establish a good basis for exploring and growing in the exciting field of Computer Aided Engineering.

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Autodesk Inventor 2018 and Engineering Graphics ASCENT - Center for Technical Knowledge

Autodesk Inventor Professional 2020 for Designers is a comprehensive book that introduces the users to Autodesk Inventor 2020, a feature-based 3D parametric solid modeling software. All environments of this solid modelling software are covered in this book with a thorough explanation of commands, options, and their applications to create real-world products. The mechanical engineering industry examples that are used as tutorials and the

related additional exercises at the end of each chapter help the users to understand the design techniques used in the industry to design a product. Additionally, the author emphasizes on the solid modelling techniques that will improve the productivity and efficiency of the users. After reading this book, the users will be able to create solid parts, sheet metal parts, assemblies, weldments, drawing views with bill of materials, presentation views to animate the assemblies and apply direct modelling techniques to facilitate rapid design prototyping. Also, the users will learn the editing techniques that are essential for making a successful

design. Salient Features: Comprehensive book consisting of 19 chapters organized in a pedagogical sequence. Detailed explanation of all concepts, techniques, commands, and tools of Autodesk Inventor Professional 2020. Tutorial approach to explain the concepts. Step-by-step instructions that guide the users through the learning process. More than 54 real-world mechanical engineering designs as tutorials and projects. Self-Evaluation Test, Review Questions, and Exercises are given at the end of the chapters so that the users can assess their knowledge. Technical support by contacting 'techsupport@cadcim.com'. Table of Contents

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SDC Publications

Creo Parametric 6.0 for
Designers book is
written to help the
readers effectively use
the modeling and
assembly tools by
utilizing the parametric
approach of Creo
Parametric 6.0
effectively. This book
provides detailed
description of the tools
that are commonly
used in modeling,
assembly, sheetmetal
as well as in mold. This
book also covers the
latest surfacing

techniques like
Freestyle and Style
with the help of
relevant examples and
illustrations. The Creo
Parametric 6.0 for
Designers book further
elaborates on the
procedure of
generating the
drawings of a model or
assembly, which are
used for
documentation of a
model or assembly. It
also includes the
concept of Geometric
Dimensioning and
tolerancing. The
examples and tutorials
given in this book
relate to actual
mechanical industry
designs. Salient
Features:

Comprehensive
coverage of Creo
Parametric 6.0
concepts and
techniques. Tutorial
approach to explain
the concepts of Creo

Parametric 6.0. Introduction to Creo
 Detailed explanation of Parametric 6.0 Chapter
 all commands and tools. Summarized 2: Creating Sketches in
 content on the first the Sketch Mode-I
 page of the topics that Chapter 3: Creating
 are covered in the Sketches in the Sketch
 chapter. Hundreds of Mode-II Chapter 4:
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ExpertBooks Publisher
Autodesk AutoCAD 2018 and Inventor 2018 Tutorial will help you to learn the basics of Autodesk AutoCAD and Inventor. It is very concise and has real-world examples that help you to learn AutoCAD and Inventor. The first part of this book covers AutoCAD basics in a step-by-step manner. Each command has a brief explanation and an example. After completing the first part, you will be good at creating 2D drawings, modifying drawings, dimensions and annotations, blocks and external references, layouts and

printing, and 3D basics. The second part of this book covers Inventor basics. A brief explanation about the user interface is followed by tutorials covering the basics of Part Modeling, Assembly design, and Drafting. The later chapters cover some additional part modeling tools, sheet metal modeling, top-down assembly design, assembly joints, and drawing annotations. If you are an educator, you can request a free evaluation copy by sending us an email to online.books999@gmail.com

Autodesk Inventor Professional 2020 for Designers, 20th Edition
SDC Publications

This book will teach you everything you need to know to start using Autodesk

Inventor 2022 with easy to understand, step-by-step tutorials. This book features a simple robot design used as a project throughout the book. You will learn to model parts, create assemblies, run simulations and even create animations of your robot design. An unassembled version of the same robot used throughout the book can be bundled with the book. No previous experience with Computer Aided Design(CAD) is needed since this book starts at an introductory level. The author begins by getting you familiar with the Inventor interface and its basic tools. You will start by learning to model simple robot parts and before long you will graduate to creating more complex parts and multi-view drawings. Along the way you will learn the fundamentals of parametric modeling through the use of geometric constraints and relationships. You will also become familiar with many of Inventor's powerful tools and commands that enable you to easily construct complex features in your models. Also included is coverage of gears, gear trains and spur gear creation using Autodesk Inventor. This book continues by examining the different mechanisms commonly used in walking robots. You will learn the basic types of planar four-bar linkages commonly used in mechanical designs and how to use the GeoGebra Dynamic

Geometry software to simulate and analyze 2D linkages. Using the knowledge you gained about linkages and mechanism, you will learn how to modify your robot and change its behavior by modifying or creating new parts. In the final chapter of this book you learn how to combine all the robot parts into assemblies and then run motion analysis. You will finish off your project by creating 3D animations of your robot in action. There are many books that show you how to perform individual tasks with Autodesk Inventor, but this book takes you through an entire project and shows you the complete engineering process. By the end of this book you will have modeled and

assembled nearly all the parts that make up the TAMIYA® Mechanical Tiger and can start building your own robot.

Autodesk Inventor 2017 Essential Training
Autodesk Inventor 2017 A Tutorial Introduction

A step-by-step tutorial on Autodesk Inventor basics Autodesk Inventor is used by design professionals for 3D modeling, generating 2D drawings, finite element analysis, mold design, and other purposes. This tutorial is aimed at novice users of Inventor and gives you all the basic information you need so you can get the essential skills to work in Autodesk Inventor immediately. This book will get you started with basics of part

modeling, assembly modeling, presentations, and drawings. Next, it teaches you some intermediate level topics such as additional part modeling tools, sheet metal modeling, top down assembly feature, assembly joints, and dimension & annotations. Brief explanations, practical examples and stepwise instructions make this tutorial complete. Table of Contents Getting Started with Inventor 2017 Part Modeling Basics Assembly Basics Creating Drawings Additional Modeling Tools Sheet Metal Modeling Top-Down Assembly and Motion Simulation Dimensions and Annotations

Principles and Practice An

Integrated Approach to Engineering Graphics and AutoCAD 2017 SDC Publications

Your real-world introduction to mechanical design with Autodesk Inventor 2016 Mastering Autodesk Inventor 2016 and Autodesk Inventor LT 2016 is a complete real-world reference and tutorial for those learning this mechanical design software. With straightforward explanations and practical tutorials, this guide brings you up to speed with Inventor in the context of real-world workflows and environments. You'll begin designing right away as you become acquainted with the interface and conventions, and then move into more

complex projects as you learn sketching, modeling, assemblies, weldment design, functional design, documentation, visualization, simulation and analysis, and much more. Detailed discussions are reinforced with step-by-step tutorials, and the companion website provides downloadable project files that allow you to compare your work to the pros. Whether you're teaching yourself, teaching a class, or preparing for the Inventor certification exam, this is the guide you need to quickly gain confidence and real-world ability. Inventor's 2D and 3D design features integrate with process automation tools to help manufacturers

create, manage, and share data. This detailed guide shows you the ins and outs of all aspects of the program, so you can jump right in and start designing with confidence. Sketch, model, and edit parts, then use them to build assemblies. Create exploded views, flat sheet metal patterns, and more. Boost productivity with data exchange and visualization tools. Perform simulations and stress analysis before the prototyping stage. This complete reference includes topics not covered elsewhere, including large assemblies, integrating other CAD data, effective modeling by industry, effective data sharing, and more. For a comprehensive, real-

world guide to Inventor from a professional perspective, Mastering Autodesk Inventor 2016 and Autodesk Inventor LT 2016 is the easy-to-follow hands-on training you've been looking for.

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REVIEW OF AUTODESK INVENTOR 2017 THE COMPLETE GUIDE CADLINE TRAINING

- In an earlier review of this book I stated that The Sands Of Sakkara is an entertaining WWII thriller that will hold

your interest, although it is somewhat predictable and not as good as Meade's two other thrillers--Snow Wolf and Brandenburg. My main reason for issuing this review is to rebut the comment by Paul Harris who disagreed with my and another reviewer's facts--that Snow Wolf was Meade's first book and that Brandenburg was his second. Mr. Harris and another reviewer (HT) say that Brandenburg came first and Snow Wolf second. Since both of these reviewers are from Great Britain, it seems that the order they describe was how they were released in their countries (Scotland and Ireland, respectively). However, this definitely was not the case in the U.S. My copy of Snow Wolf

states the copyright date as 1995 and the released date as May,1996. My copy of Brandenburg states the copyright date as 1997 and the release date as June,1997. So, Mr. Harris is incorrect in saying that I and an earlier reviewer made a genuine mistake in our facts, and suggests that we verify the facts before "arrogantly dismissing the correct information." As it turns out, it appears that we both indicated the correct information in our respective countries. It would have been nice for Mr. Harris to have made sure that the facts I and the other U.S. reviewer stated were incorrect before he wrote a review primarily for the purpose of saying they were incorrect.

- While I really love this book (have studied it in detail from cover to cover) it tries to do too much. It covers the CAPM model for example, but doesn't go into enough detail so that a reader can really get a good grasp of the model. Also, it shies away from using proper mathematical analysis of some models (as with many other American textbooks) which will give a naive reader a false sense of security. Otherwise a great book, it's breadth and readability is excellent - would love an update sometime :)