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AutoCAD and Its Applications: Advanced 2014 builds upon the fundamental skills and techniques taught in AutoCAD and Its Applications: Basics 2014. The Advanced text provides thorough instruction in 3D drafting/modeling and visualization. It includes comprehensive coverage of solid, surface, and mesh modeling. The text also includes detailed coverage of materials, lighting, rendering, and animation. The teaching package includes more than 120 step-by-step exercises providing hands-on reinforcement of topics covered in the text. Many modeling problems supplement each chapter. Problems are presented as 3D illustrations, actual plotted drawings, and engineering sketches. Materials and rendering chapters are in full color. Teaching package includes the Companion Website, Instructor's Resource CD, and ExamView Assessment Suite.

AutoCAD and Its Applications: Comprehensive 2019 provides complete AutoCAD coverage. The Basics portion provides complete instruction in 2D drafting and AutoCAD tools and serves as a strong foundation for learning advanced AutoCAD topics. The Advanced portion builds upon the fundamental skills and techniques taught in the Basics portion. It provides detailed coverage of 3D modeling and other advanced topics, including 3D printing, point clouds, materials, lighting, rendering, and animation. AutoCAD and Its Applications: Comprehensive 2019 provides flexibility in course design and teaching approaches, supporting both introductory and advanced classes. This text provides a complete teaching program for 2D and 3D AutoCAD drafting and design. Whether you are learning AutoCAD for the first time or updating your skills, this book is a must.

AutoCAD and Its Applications-Comprehensive is a useful tool for both classroom instruction and independent study. The heavily illustrated text not only tells you how to use AutoCAD, it also shows you how to use AutoCAD. In addition to teaching AutoCAD, this text serves as a valuable resource once you begin a career in the drafting and design industry. Whether you are learning AutoCAD for the first time or updating your skills, this book is a must. AutoCAD and Its Applications-Comprehensive combines two books into one. The Basics portion provides complete instruction in 2D drawing and editing commands and additional topics, including dimensioning, parametric drafting, hatching techniques, dynamics blocks, layouts and plotting, annotative objects, external references, and sheet sets. The Advanced portion provides detailed coverage of 3D modeling, including solid, surface, and mesh modeling. Thorough coverage of visual styles (shading), materials, lighting, rendering, and animation is also provided. Heavily illustrated to make learning easy. Step-by-step use of AutoCAD commands. Exercises on the companion website correlated to each chapter reinforce AutoCAD concepts. End-of-chapter review questions and drawing problems check comprehension. End-of-chapter practice questions and problems for the AutoCAD Certified Professional Exam help students prepare for professional-level certification.

AutoCAD and Its Applications: Advanced 2016 builds upon the fundamental skills and techniques taught in AutoCAD and Its Applications: Basics 2016. The Advanced text provides thorough, easy-to-understand instruction in 3D drafting/modeling and model visualization. It is appropriate for individual or classroom use. The text provides comprehensive coverage of solid, surface, and mesh modeling in addition to detailed coverage of materials, lighting, rendering, and animation. Features coverage on advanced AutoCAD topics, including model analysis, 3D printing, and point clouds. The companion website includes more than 120 step-by-step exercises. Text chapters contain a large selection of modeling problems.

These editions of AutoCAD and its Applications provide instruction for mastering AutoCAD RM 2000 commands and drawing and dimensioning techniques! Like the Release 14 editions, the AutoCAD 2000 title offers a Basics and Advanced edition. This allows for manageable texts in both size and content, as well as flexibility to meet the needs of various course structures. Content of the Basics edition provides comprehensive coverage of introductory and two-dimensional AutoCAD drafting, while the Advanced edition covers three-dimensional and other advanced functions. Both texts cover topics in an easy-to-understand sequence, and progress in a manner that allows students to become comfortable with AutoCAD. In-depth discussions of every major new and existing AutoCAD feature, command, and option are provided. Hundreds of exercises, questions, and drawing problems assist learning. No AutoCAD book surpasses the depth of coverage provided by this outstanding title!

The Comprehensive edition of AutoCAD and Its Applications com-

bins the complete content of the Basics and Advanced editions to provide flexibility in course design and teaching approaches. The bound-in Student CD provides all the content of the Basics and Advanced Student CDs, including more than 300 step-by-step exercises designed to provide reinforcement of topics presented in the textbooks. Each exercise is specifically referenced in the texts. The teaching package now includes ExamView Assessment Suite, allowing instructors to create customized tests from extensive question banks.

These editions of AutoCAD and its Applications provide instruction for mastering AutoCAD RM 2000 commands and drawing and dimensioning techniques. Like the Release 14 editions, the AutoCAD 2000 title offers a Basics and Advanced edition. This allows for manageable texts in both size and content, as well as flexibility to meet the needs of various course structures. Content of the Basics edition provides comprehensive coverage of introductory and two-dimensional AutoCAD drafting, while the Advanced edition covers three-dimensional and other advanced functions. Both texts cover topics in an easy-to-understand sequence, and progress in a manner that allows students to become comfortable with AutoCAD. In-depth discussions of every major new and existing AutoCAD feature, command, and option are provided. Hundreds of exercises, questions, and drawing problems assist learning. No AutoCAD book surpasses the depth of coverage provided by this outstanding title -- Command initiation methods appear in the text margin next to command introduction. -- Professional Tips explain how to use AutoCAD efficiently. -- Fold-out cover illustrates AutoCAD command buttons and screen and pull-down menu trees. -- Topics keyed to AutoCAD User Guide. -- Drawing Problems and Exercises offer application to several disciplines, clearly identified by an icon. -- Chapter Tests allow review of important commands and concepts.

Provides instruction for mastering AutoCAD commands, tools, and drawing and dimensional techniques.

AutoCAD and Its Applications: Advanced 2015 builds upon the fundamental skills and techniques taught in AutoCAD and Its Applications: Basics 2015. The Advanced text provides thorough instruction in 3D drafting/modeling and visualization. It includes comprehensive coverage of solid, surface, and mesh modeling. The text also includes detailed coverage of materials, lighting, rendering, and animation. The teaching package includes more than 120 step-by-step exercises providing hands-on reinforcement of topics covered in the text. Many modeling problems supplement each chapter. Problems are presented as 3D illustrations, actual plotted drawings, and engineering sketches. Materials and rendering chapters are in full color. Teaching package includes the Companion Website, Instructor's Resource CD, and ExamView Assessment Suite.

AutoCAD and Its Applications: Comprehensive 2018 provides complete AutoCAD coverage. The Basics portion provides complete instruction in 2D drafting and AutoCAD tools and serves as a strong foundation for learning advanced AutoCAD topics. The Advanced portion builds upon the fundamental skills and techniques taught in the Basics portion. It provides detailed coverage of 3D modeling and other advanced topics, including 3D printing, point clouds, materials, lighting, rendering, and animation. AutoCAD and Its Applications: Comprehensive 2018 provides flexibility in course design and teaching approaches, supporting both introductory and advanced classes. This text provides a complete teaching program for 2D and 3D AutoCAD drafting and design. Whether you are learning AutoCAD for the first time or updating your skills, this book is a must. More than 600 drawing problems are found throughout the text's end-of-chapter sections. The companion website features exercises referenced in the text, drawing files used in exercises and drawing problems, supplemental material expanding on chapter topics, template development resources, and reference material. The Online Instructor's Resource features drawing problem solutions, sample course syllabi, final exams, and additional practice questions and resources for the AutoCAD certification exams.

The Comprehensive edition of AutoCAD and Its Applications combines the complete contents of the Basics and Advanced editions to provide flexibility in course design and teaching approaches. This package provides a complete program for teaching introductory and second-tier AutoCAD courses. The Online Text gives students instant access anytime, anywhere. With G-W Online Textbooks, students easily navigate linked table of contents, search specific topics, quickly jump to specific pages, enlarge for full-screen reading mode, and print selected pages for offline reading.

This book is your AutoCAD 2018 Instructor. The objective of this

book is to provide you with extensive knowledge of AutoCAD, whether you are taking an instructor-led course or learning on your own. AutoCAD 2018 Instructor maintains the pedagogy and in-depth coverage that have always been the hallmark of the Leach texts. As the top-selling university textbook for almost a decade, the AutoCAD Instructor series continues to deliver broad coverage of AutoCAD in a structured, easy-to-comprehend manner. AutoCAD 2018 Instructor is command-oriented, just like AutoCAD. Chapters are structured around related commands, similar to the organization of AutoCAD's menu system. The sequence of chapters starts with fundamental drawing commands and skills and then progresses to more elaborate procedures and specialized applications. The writing style introduces small pieces of information explained in simple form, and then builds on that knowledge to deliver more complex drawing strategies, requiring a synthesis of earlier concepts. Over 2000 figures illustrate the commands, features, and ideas. AutoCAD 2018 Instructor is an ideal reference guide, unlike tutorial-oriented books where specific information is hard to relocate. Because these chapters focus on related commands, and complete coverage for each command is given in one place, the commands, procedures, and applications are easy to reference. Tabbed pages help locate tables, lists, appendices, and the comprehensive index.

These editions of AutoCAD and its Applications provide instruction for mastering AutoCAD "RM" 2000 commands and drawing and dimensioning techniques! The AutoCAD 2000 title offers a Basics and Advanced edition. This allows for manageable texts in both size and content, as well as flexibility to meet the needs of various course structures. Content of the Basics edition provides comprehensive coverage of introductory and two-dimensional AutoCAD drafting, while the Advanced edition covers three-dimensional and other advanced functions. Both texts cover topics in an easy-to-understand sequence, and progress in a manner that allows students to become comfortable with AutoCAD. In-depth discussions of every major new and existing AutoCAD feature, command, and option are provided. Hundreds of exercises, questions, and drawing problems assist learning. No AutoCAD book surpasses the depth of coverage provided by this title!

AutoCAD and Its Applications - Comprehensive 2014 is a useful tool for both classroom instruction and independent study. The heavily illustrated text not only tells you how to use AutoCAD, it also shows you how to use AutoCAD. In addition to teaching AutoCAD, this text serves as a valuable resource once you begin a career in the drafting and design industry. Whether you are learning AutoCAD for the first time or updating your skills, this book is a must. AutoCAD and Its Applications - Comprehensive 2014 combines two books into one. The Basics portion provides complete instruction in 2D drafting and AutoCAD tools. It features complete coverage of AutoCAD drawing and editing commands and additional topics, including dimensioning, parametric drafting, hatching techniques, dynamic blocks, layouts and plotting annotative objects, external references, and sheet sets. The Advanced portion provides detailed coverage of 3D modeling, including solid, surface, and mesh modeling. Thorough coverage of visual styles (shading), materials, lighting, rendering, and animation is also provided.

With increased emphasis on visualization, the design process, and modern CAD technology, this edition of our popular Engineering Drawing and Design book provides readers with an approach to drafting that is consistent with the National Standards Institute (NSI) and the American Society of Mechanical Engineers (ASME). Newly reorganized, the first half of the book focuses attention on sketching, views, descriptive geometry, dimensioning, and pictorial drawings. The second half of the book invites readers to build upon these skills as they explore manufacturing materials and processes that span all of the engineering disciplines, including: welding, fluid power, piping, electricity/electronics, HVAC, sheet metal, and more! Each chapter contains realistic examples, technically precise illustrations, problems and related tests. Step-by-step methods, plus layout guidelines for preparing technically precise engineering drawings from sketches, are also featured throughout the book to provide readers with a logical approach to setting up and completing drawing problems. Ideal for use in introductory and advanced engineering graphics programs, the extraordinarily complete and current information in this book makes it an invaluable reference for professional engineers.

These editions of AutoCAD and its Applications provide instruction for mastering AutoCAD "RM" 2000 commands and drawing and dimensioning techniques! Like the Release 14 editions, the AutoCAD 2000 title offers a Basics and Advanced edition. This allows for manageable texts in both size and content, as well as flexibility

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The AutoCAD and its Applications texts provide instruction for mastering AutoCAD commands, tools, and drawing and dimensioning techniques. The AutoCAD and its Applications series offers Basics, Advanced, and Comprehensive editions. This allows for manageable texts in both size and content, as well as flexibility to meet the needs of various course structures. The Basics edition provides complete coverage of introductory and two-dimensional AutoCAD drafting.

AutoCAD and Its Applications: Basics 2018 provides complete instruction for mastering fundamental AutoCAD commands and drawing techniques. The text provides comprehensive coverage of AutoCAD 2D drafting and design. Topics are presented in an easy-to-understand sequence, building upon prior chapter knowledge. The heavily illustrated text not only tells you how to use AutoCAD, it also shows you how to use AutoCAD. In addition to teaching AutoCAD, this text serves as a valuable resource once you begin a career in the drafting and design industry. AutoCAD and Its Applications: Basics 2018 features complete coverage of AutoCAD drawing and editing commands and additional topics, including dimensioning, parametric drafting, hatching techniques, dynamic blocks, layouts and plotting, annotative objects, external references, and sheet sets. ANSI and ASME standards are referenced throughout the text, and examples and illustrations focus on industry practices. Step-by-step use of AutoCAD commands. Exercises on the companion website correlated to each chapter reinforce AutoCAD concepts. End-of-chapter review questions and drawing problems check comprehension. End-of-chapter practice questions and problems for the AutoCAD Certified Professional Exam help students prepare for professional-level certification.

AutoCAD and Its Applications: Basics 2019 provides complete instruction for mastering fundamental AutoCAD commands and drawing techniques. The text provides comprehensive coverage of AutoCAD 2D drafting and design. Topics are presented in an easy-to-understand sequence, building upon prior chapter knowledge. The heavily illustrated text not only tells you how to use AutoCAD, it also shows you how to use AutoCAD. In addition to teaching AutoCAD, this text serves as a valuable resource once you begin a career in the drafting and design industry. AutoCAD and Its Applications: Basics 2019 features complete coverage of AutoCAD drawing and editing commands and additional topics, including dimensioning, parametric drafting, hatching techniques, dynamic blocks, layouts and plotting, annotative objects, external references, and sheet sets. ANSI and ASME standards are referenced throughout the text, and examples and illustrations focus on industry practices. · Step-by-step use of AutoCAD commands. · Exercises on the companion website correlated to each chapter reinforce AutoCAD concepts. · End-of-chapter review questions and drawing problems check comprehension. · End-of-chapter practice questions and problems for the AutoCAD Certified Professional Exam help students prepare for professional-level certification.

AutoCAD and Its Applications Comprehensive 2008 combines the complete contents of the Basics and Advanced editions to provide flexibility in course design and teaching approaches. This package provides a complete program for teaching introductory and second-tier AutoCAD courses.

This book provides comprehensive, easy-to-understand coverage of introductory and two-dimensional AutoCAD drafting. The content provides instruction for mastering AutoCAD commands and drawing techniques current with Release 14.

The Comprehensive edition of AutoCAD and Its Applications combines the complete content of the Basics and Advanced editions to provide flexibility in course design and teaching approaches.

The AutoCAD and its Applications texts provide instruction for mastering AutoCAD commands, tools, and drawing and dimension-

ing techniques. The AutoCAD and its Applications series offers Basics, Advanced, and Comprehensive editions. This allows for manageable texts in both size and content, as well as flexibility to meet the needs of various course structures. The Basics edition provides complete coverage of introductory and two-dimensional AutoCAD drafting. The Advanced edition covers three-dimensional modeling, Internet features, AutoCAD customization, and other advanced features. The Comprehensive edition consists of the complete Basics and Advanced editions, packaged as a single volume. All these texts cover topics in an easy-to understand sequence and progress in a manner that allows students to become comfortable with AutoCAD.

Autodesk Maya 2019 is a powerful, integrated 3D modeling, animation, visual effects, and rendering software developed by Autodesk Inc. This integrated node based 3D software finds its application in the development of films, games, and design projects. A wide range of 3D visual effects, computer graphics, and character animation tools make it an ideal platform for 3D artists. The intuitive user interface and workflow tools of Maya 2019 have made the job of design visualization specialists a lot easier. Autodesk Maya 2019: A Comprehensive Guide book covers all features of Autodesk Maya 2019 software in a simple, lucid, and comprehensive manner. It aims at harnessing the power of Autodesk Maya 2019 for 3D and visual effect artists, and designers. This Autodesk Maya 2019 book will help you transform your imagination into reality with ease. Also, it will unleash your creativity, thus helping you create realistic 3D models, animation, and visual effects. It caters to the needs of both the novice and advanced users of Maya 2019 and is ideally suited for learning at your convenience and at your pace. Salient Features: Consists of 17 chapters that are organized in a pedagogical sequence covering a wide range of topics such as Maya interface, Polygon modeling, NURBS modeling, texturing, lighting, cameras, animation, Paint Effects, Rendering, nHair, Fur, Fluids, Particles, nParticles and Bullet Physics in Autodesk Maya 2019. The first page of every chapter summarizes the topics that are covered in it. Consists of hundreds of illustrations and a comprehensive coverage of Autodesk Maya 2019 concepts & commands. Real-world 3D models and examples focusing on industry experience. Step-by-step instructions that guide the user through the learning process. Additional information is provided throughout the book in the form of tips and notes. Self-Evaluation test, Review Questions, and Exercises are given at the end of each chapter so that the users can assess their knowledge. Table of Contents Chapter 1: Exploring Maya Interface Chapter 2: Polygon Modeling Chapter 3: NURBS Curves and Surfaces Chapter 4: NURBS Modeling Chapter 5: UV Mapping Chapter 6: Shading and Texturing Chapter 7: Lighting Chapter 8: Animation Chapter 9: Rigging, Constraints, and Deformers Chapter 10: Paint Effects Chapter 11: Rendering Chapter 12: Particle System Chapter 13: Introduction to nParticles Chapter 14: Fluids Chapter 15: nHair Chapter 16: Bifrost Chapter 17: Bullet Physics Index

"AutoCAD and Its Applications Comprehensive" combines content for mastering the AutoCAD tools and drawing techniques of the Basics edition with the 3D modeling and visualization content of the Advanced edition. This provides flexibility in course design and teaching approaches.

AutoCAD and Its Applications Comprehensive 2007 combines the complete contents of the Basics and Advanced editions to provide flexibility in course design and teaching approaches. This package provides a complete program for teaching introductory and second-tier AutoCAD courses.

The Comprehensive edition of AutoCAD and Its Applications combines the complete contents of the Basics and Advanced editions to provide flexibility in course design and teaching approaches. This package provides a complete program for teaching introductory and second-tier AutoCAD courses. The Comprehensive edition includes 2D drafting and design as well as 3D drafting/modeling and visualization. Each chapter includes a selection of drafting/modeling problems to help reinforce chapter concepts. The teaching package includes over 400 exercises.

The Comprehensive edition of AutoCAD and Its Applications combines the complete contents of the Basics and Advanced editions to provide value and flexibility in course design and teaching approaches. This package provides a complete program for teaching

introductory and second-tier AutoCAD courses. The Companion Website provides access to content for both the Basics and Advanced editions, including more than 400 step-by-step exercises, supplemental chapter content, reference material, and industry-standard drawing templates. Teaching package includes the Companion Website, Instructor's Resource CD, and ExamView Assessment Suite. "

AutoCAD and Its Applications: Comprehensive 2020 is a useful tool for both classroom instruction and independent study. The heavily illustrated text not only tells you how to use AutoCAD, it also shows you how to use AutoCAD. In addition to teaching AutoCAD, this text serves as a valuable resource once you begin a career in the drafting and design industry. Whether you are learning AutoCAD for the first time or updating your skills, this book is a must. AutoCAD and Its Applications: Comprehensive 2020 combines two books into one. The Basics portion provides complete instruction in 2D drafting and AutoCAD tools. It features complete coverage of AutoCAD drawing and editing commands and additional topics, including dimensioning, dimensioning, parametric drafting, hatching techniques, dynamic blocks, layouts and plotting, annotative objects, external references, and sheet sets. The Advanced portion provides detailed coverage of 3D modeling, including solid, surface, and mesh modeling. Thorough coverage of visual styles (shading), materials, lighting, rendering, and animation is also provided.

AutoCAD Plant 3D 2021 for Designers book introduces the readers to AutoCAD Plant 3D 2021, one of the world's leading application, designed specifically to create and modify P&ID's and plant 3D models. In this book, the author emphasizes on the features of AutoCAD Plant 3D 2021 that allow the user to design piping & instrumentation diagrams and 3D piping models. Also, the chapters are structured in a pedagogical sequence that makes this book very effective in learning the features and capabilities of AutoCAD Plant 3D 2021. Special emphasis has been laid in this book on tutorials and exercises, which relate to the real world projects, help you understand the usage and abilities of the tools available in AutoCAD Plant 3D 2021. You will learn how to setup a project, create and edit P&IDs, design a 3D Plant model, generate isometric/orthographic drawings, as well as how to publish and print drawings. Salient Features: - Consists of 10 chapters that are organized in a pedagogical sequence. - Comprehensive coverage of AutoCAD Plant 3D 2021 concepts and techniques. - Tutorial approach for better learning. - Detailed explanation of all commands and tools. - Summarized content on the first page of every chapter. - Hundreds of illustrations for easy understanding of concepts. - Step-by-step instructions to guide the users through the learning process. - Real-world mechanical engineering designs as tutorials. - Additional information 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. Table of Contents Chapter 1: Introduction to AutoCAD Plant 3D Chapter 2: Creating Project and P&IDs Chapter 3: Creating Structures Chapter 4: Creating Equipment Chapter 5: Editing Specifications and Catalogs Chapter 6: Routing Pipes Chapter 7: Adding Valves, Fittings, and Pipe Supports Chapter 8: Creating Isometric Drawings Chapter 9: Creating Orthographic Drawings Chapter 10: Managing Data and Creating Reports Project: Thermal Power Plant (For free download) Index Issues for 24th edition (2017)- cataloged as a serial in LC.

AutoCAD and Its Applications: Advanced 2013 builds upon the fundamental skills and techniques taught in AutoCAD and Its Applications: Basics 2013. The Advanced text provides thorough instruction in 3D drafting/modeling and visualization. It includes comprehensive coverage of solid, surface, and mesh modeling. The text also includes detailed coverage of materials, lighting, rendering, and animation. The teaching package includes more than 120 step-by-step exercises providing hands-on reinforcement of topics covered in the text. Many modeling problems supplement each chapter. Problems are presented as 3D illustrations, actual plotted drawings, and engineering sketches. Materials and rendering chapters are in full color.

Offering more than 350 step-by-step exercises, this volume combines the complete content of the Basics and the Advanced book for mastering AutoCAD 2011 tools and drawing techniques as well as thorough instruction in 3D modeling, visualization, and AutoCAD customization.