

Solidworks 2019 A Power Guide For Beginners And I

Thank you for reading **Solidworks 2019 A Power Guide For Beginners And I**. As you may know, people have look numerous times for their favorite novels like this Solidworks 2019 A Power Guide For Beginners And I, but end up in infectious downloads.

Rather than enjoying a good book with a cup of coffee in the afternoon, instead they juggled with some infectious bugs inside their desktop computer.

Solidworks 2019 A Power Guide For Beginners And I is available in our book collection an online access to it is set as public so you can download it instantly.

Our digital library hosts in multiple locations, allowing you to get the most less latency time to download any of our books like this one.

Kindly say, the Solidworks 2019 A Power Guide For Beginners And I is universally compatible with any devices to read

Solidworks 2019 A Power Guide For Beginners And I

2022-10-17

NELSON CAYDEN

Solidworks 2020 SDC Publications

SOLIDWORKS 2019: A Power Guide for Beginners and Intermediate User textbook is designed for instructor-led courses as well as for self-paced learning. It is intended to help engineers and designers interested in learning SOLIDWORKS for creating 3D mechanical design. This textbook is a great help for new SOLIDWORKS users and a great teaching aid in classroom training. This textbook consists of 14 chapters (total 792 pages) covering the major environments of SOLIDWORKS; Sketching environment, Part modeling environment, Assembly environment, and Drawing environment, which assist you in using the SOLIDWORKS mechanical design software to build parametric 3D solid components and assemblies, and making 2D drawings of those parts and assemblies. This textbook also includes a chapter on creating multiple configurations of a design. This textbook not only focuses on the usages of the tools/commands of SOLIDWORKS but also on the concept of design. Every chapter of this textbook contains tutorials which help users to easily operate SOLIDWORKS step-by-step. Moreover, every chapter ends with hands-on test drives which allow users to experience the user friendly and technical capabilities of SOLIDWORKS. Table of Contents: Chapter 1. Introduction to SOLIDWORKS Chapter 2. Drawing Sketches with SOLIDWORKS Chapter 3. Editing and Modifying Sketches Chapter 4. Applying Geometric Relations and Dimensions Chapter 5. Creating First/Base Feature of Solid Models Chapter 6. Creating Reference Geometries Chapter 7. Advanced Modeling - I Chapter 8. Advanced Modeling - II Chapter 9. Patterning and Mirroring Chapter 10. Advanced Modeling - III Chapter 11. Working with Configurations Chapter 12. Working with Assemblies - I Chapter 13. Working with Assemblies - II Chapter 14. Working with Drawings Main Features of the d104book Comprehensive coverage of tools Step-by-step real-world tutorials with every chapter Hands-on test drives to enhance the skills at the end of every chapter Additional notes and tips Customized content for faculty (PowerPoint Presentations) Free learning resources for faculty and students Additional student and faculty projects Technical support for the book by contacting info@cadartifex.com

Beginner's Guide to SOLIDWORKS 2021 - Level I CAD/CIM Technologies

SOLIDWORKS 2019 Tutorial is written to assist students, designers, engineers and professionals who are new to SOLIDWORKS. The text provides a step-by-step, project based learning approach. It also contains information and examples on the five categories in the CSWA exam. The book is divided into four sections. Chapters 1 - 5 explore the SOLIDWORKS User Interface and CommandManager, Document and System properties, simple and complex parts and assemblies, proper design intent, design tables, configurations, multi-sheet, multi-view drawings, BOMs, and Revision tables using basic and advanced features. In chapter 6 you will create the final robot assembly. The physical components and corresponding Science, Technology, Engineering and Math (STEM) curriculum are available from Gears Educational Systems. All assemblies and components for the final robot assembly are provided. Chapters 7 - 10 prepare you for the Certified Associate - Mechanical Design (CSWA) exam. The certification indicates a foundation in and apprentice knowledge of 3D CAD and engineering practices and principles. Chapter 11 covers the benefits of additive manufacturing (3D printing), how it differs from subtractive manufacturing, and its features. You will also learn the terms and technology used in low cost 3D printers. Follow the step-by-step instructions and develop multiple assemblies that combine over 100 extruded machined parts and components. Formulate the skills to create, modify and edit sketches and solid features. Learn the techniques to reuse features, parts and assemblies through symmetry, patterns, copied components, apply proper design intent, design tables and configurations. Learn by doing, not just by reading. Desired outcomes and usage competencies are listed for each chapter. Know your objective up front. Follow the steps in each chapter to achieve your design goals. Work between multiple documents, features, commands, custom properties and document properties that represent how engineers and designers utilize SOLIDWORKS in industry.

SolidWorks 2019 Step-By-Step Guide SDC Publications

What you need to prepare, install, and maintain SolidWorks It's not enough to know how to use SolidWorks, if your job also requires you to install or maintain it, train new users, and implement standards. This in-depth guide was written for those of you who have to actually manage your company's SolidWorks system. From hardware selection to helping users to licensing and more, this is the everyday, bread-and-butter SolidWorks administration resource that IT and CAD managers have been seeking. SolidWorks is a powerful 3D solid modeling system that is popular with CAD users everywhere, but often leaves IT administrators in the dark as to how to manage it; this essential guide covers SolidWorks admin for both IT staff and CAD users Walks you through preparing, installing, and maintaining SolidWorks Covers setting up shared libraries, automated deployment tools, licensing, updates and upgrades, support and troubleshooting, standardization, and collaboration Get the high-level assistance you need to efficiently manage SolidWorks in your enterprise or small business. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

AutoCAD 2023: A Power Guide for Beginners and Intermediate Users John Wiley & Sons

SOLIDWORKS Simulation 2018: A Power Guide for Beginners and Intermediate Users textbook is designed for instructor-led courses as well as for self-paced learning. It is intended to help engineers and designers interested in learning SOLIDWORKS Simulation for performing various types of finite element analysis (FEA). This textbook is a great help for new SOLIDWORKS Simulation users and a great teaching aid in a classroom training too. This textbook consists of 10 chapters, total 392 pages covering various types of analysis: Linear Static analysis, Buckling analysis, Fatigue analysis, Frequency analysis, Drop Test analysis, and Non-linear Static analysis. This textbook covers important concepts and methods used in finite element analysis (FEA) such as Preparing Geometry, Boundary Conditions (load and fixture), Element Types, Contacts, Connectors, Meshing, Mesh Controls, Mesh Quality Check (Jacobian Check and Aspect Ratio), Adaptive Meshing (H-Adaptive and P-Adaptive), Iterative Methods (Newton-Raphson Scheme and Modified Newton-Raphson Scheme), Incremental Methods (Force, Displacement, or Arc Length), and so on. This textbook not only focuses on the usages of the tools of SOLIDWORKS Simulation but also on the fundamentals of Finite Element Analysis (FEA) through various real-world case studies. The case studies used in this textbook allow users to solve various real-world engineering problems, step-by-step. Also, the

Hands-on test drives are given at the end of chapters that allow users to experience themselves the ease-of-use and powerful capabilities of SOLIDWORKS Simulation. Every chapter begins with learning objectives related to the topics covered in that chapter. Moreover, every chapter ends with a summary which lists the topics learned in that chapter followed by questions to assess the knowledge. Table of Contents: Chapter 1. Introduction to FEA and SOLIDWORKS Simulation Chapter 2. Introduction to Analysis Tools and Static Analysis Chapter 3. Case Studies of Static Analysis Chapter 4. Contacts and Connectors Chapter 5. Adaptive Mesh Methods Chapter 6. Buckling Analysis Chapter 7. Fatigue Analysis Chapter 8. Frequency Analysis Chapter 9. Drop Test Analysis Chapter 10. Non-Linear Static Analysis Main Features of the Textbook Comprehensive coverage of tools Step-by-step real-world case studies Hands-on test drives to enhance the skills at the end of chapters Additional notes and tips Customized content for faculty (PowerPoint Presentations) Free learning resources for students and faculty Technical support for the book: info@cadartifex.com

SolidWorks 2019 Training Guide SDC Publications

SOLIDWORKS Simulation 2020: A Power Guide for Beginners and Intermediate Users textbook is designed for instructor-led courses as well as for self-paced learning. It is intended to help engineers and designers interested in learning finite element analysis (FEA) using SOLIDWORKS Simulation. This textbook benefits new SOLIDWORKS Simulation users and is a great teaching aid in classroom training. It consists of 10 chapters, a total of 390 pages covering various types of finite element analysis (FEA) such as Linear Static Analysis, Buckling Analysis, Fatigue Analysis, Frequency Analysis, Drop Test Analysis, and Non-linear Static Analysis. This textbook covers important concepts and methods used in finite element analysis (FEA) such as Preparing Geometry, Boundary Conditions (load and fixture), Element Types, Contacts, Connectors, Meshing, Mesh Controls, Mesh Check (Aspect Ratio check and Jacobian check), Adaptive Meshing (H-Adaptive and P-Adaptive), Iterative Methods (Newton-Raphson Scheme and Modified Newton-Raphson Scheme), Incremental Methods (Force, Displacement, or Arc Length), and so on. This textbook not only focuses on the usages of the tools of SOLIDWORKS Simulation but also on the fundamentals of finite element analysis (FEA) through various real-world Case Studies. The Case Studies used in this textbook allow users to solve various real-world engineering problems by using SOLIDWORKS Simulation step-by-step. Also, the Hands-on Test Drives are given at the end of chapters that allow users to experience themselves the ease-of-use and immense capacities of SOLIDWORKS Simulation. Every chapter begins with learning objectives related to the topics covered in that chapter. Moreover, every chapter ends with a summary which lists the topics learned in that chapter followed by questions to assess the knowledge. Table of Contents: Chapter 1. Introduction to FEA and SOLIDWORKS Simulation Chapter 2. Introduction to Analysis Tools and Static Analysis Chapter 3. Case Studies of Static Analysis Chapter 4. Contacts and Connectors Chapter 5. Adaptive Mesh Methods Chapter 6. Buckling Analysis Chapter 7. Fatigue Analysis Chapter 8. Frequency Analysis Chapter 9. Drop Test Analysis Chapter 10. Non-Linear Static Analysis Main Features of the Textbook Comprehensive coverage of tools Step-by-step real-world case studies Hands-on test drives to enhance the skills at the end of chapters Additional notes and tips Customized content for faculty (PowerPoint Presentations) Free learning resources for students and faculty Technical support for the book: info@cadartifex.com

SOLIDWORKS 2019 Tutorial CADArtifex

SOLIDWORKS 2016: A Power Guide for Beginners and Intermediate Users textbook is designed for instructor-led courses as well as for self-paced learning. This textbook is intended to help engineers and designers who are interested in learning SOLIDWORKS for creating 3D mechanical designs. It will be a great starting point for new SOLIDWORKS users and a great teaching aid in classroom training. This textbook contains 13 chapters which consist of 758 pages covering major environments of SOLIDWORKS: Part, Assembly, and Drawing, which teaches you how to use the SOLIDWORKS mechanical design software to build parametric models and assemblies, and how to make drawings of parts and assemblies. Every chapter of this textbook contains tutorials which intend to help users to experience how things can be done in SOLIDWORKS step by step. Moreover, every chapter ends with hands-on test drives which allow users to experience themselves the ease-of-use and powerful capabilities of SOLIDWORKS. Table of Contents: Chapter 1. Introduction to SOLIDWORKS Chapter 2. Drawing Sketches with SOLIDWORKS Chapter 3. Editing and Modifying Sketches Chapter 4. Applying Geometric Relations and Dimensions Chapter 5. Creating First/Base Feature of Solid Models Chapter 6. Creating Reference Geometries Chapter 7. Advanced Modeling - I Chapter 8. Advanced Modeling - II Chapter 9. Patterning and Mirroring Chapter 10. Advanced Modeling - III Chapter 11. Working with Assemblies - I Chapter 12. Working with Assemblies - II Chapter 13. Working with Drawing

Learn SOLIDWORKS 2020 John Wiley & Sons

SOLIDWORKS 2018: A Power Guide for Beginners and Intermediate User textbook is designed for instructor-led courses as well as for self-paced learning. It is intended to help engineers and designers interested in learning SOLIDWORKS for creating 3D mechanical design. This textbook is a great help for new SOLIDWORKS users and a great teaching aid in classroom training. This textbook consists of 14 chapters, total 782 pages covering major environments of SOLIDWORKS: Sketching environment, Part modeling environment, Assembly environment, and Drawing environment, which teach you how to use the SOLIDWORKS mechanical design software to build parametric models and assemblies, and how to make drawings of those parts and assemblies. This textbook also includes a chapter on creating multiple configurations of a design. This textbook not only focuses on the usages of the tools/commands of SOLIDWORKS but also on the concept of design. Every chapter of this textbook contains tutorials which instruct users how things can be done in SOLIDWORKS step by step. Moreover, every chapter ends with hands-on test drives which allow users to experience themselves the ease-of-use and powerful capabilities of SOLIDWORKS. Table of Contents: Chapter 1. Introduction to SOLIDWORKS Chapter 2. Drawing Sketches with SOLIDWORKS Chapter 3. Editing and Modifying Sketches Chapter 4. Applying Geometric Relations and Dimensions Chapter 5. Creating First/Base Feature of Solid Models Chapter 6. Creating Reference Geometries Chapter 7. Advanced Modeling - I Chapter 8. Advanced Modeling - II Chapter 9. Patterning and Mirroring Chapter 10. Advanced Modeling - III Chapter 11. Working with Configurations Chapter 12. Working with Assemblies - I Chapter 13. Working with Assemblies - II Chapter 14. Working with Drawings Main Features of the Textbook Comprehensive coverage of tools Step-by-step real-world tutorials with every chapter Hands-on test drives to enhance the skills at the end of every chapter Additional notes and tips Customized content for faculty (PowerPoint Presentations) Free learning resources for

faculty and students Additional student and faculty projects Technical support for the book by contacting info@cadartifex.com

AutoCAD 2021: A Power Guide for Beginners and Intermediate Users CADArtifex

This book is intended for anyone who wishes to learn SolidWorks and has little or no prior knowledge of any CAD software. All of the contents are project based and focus on the development of sound modeling skills. Every topic covered in the book includes an online video tutorial showing how to complete the task. All parts are created using most of the available solid modeling features of the software, which are then brought together in fully functioning assemblies and result in the creation of part/assembly drawings.

SOLIDWORKS Surface Design 2021 for Beginners and Intermediate Users SDC Publications
SOLIDWORKS 2021: A Power Guide for Beginners and Intermediate User textbook has been designed for instructor-led courses as well as self-paced learning. It is intended to help engineers and designers interested in learning SOLIDWORKS for creating 3D mechanical design. This textbook is a great help for new SOLIDWORKS users and a great teaching aid in classroom training. This textbook consists of 14 chapters, with a total of 798 pages covering the major environments of SOLIDWORKS such as Sketching environment, Part modeling environment, Assembly environment, and Drawing environment. This textbook teaches users to use SOLIDWORKS mechanical design software for creating parametric 3D solid components, assemblies, and 2D drawings. This textbook also includes a chapter on creating multiple configurations of a design. This textbook not only focuses on the usage of the tools and commands of SOLIDWORKS but also on the concept of design. Every chapter in this textbook contains tutorials that provide users with step-by-step instructions for creating mechanical designs and drawings with ease. Moreover, every chapter ends with hands-on test drives which allow users to experience the user friendly and technical capabilities of SOLIDWORKS. Table of Contents: Chapter 1. Introduction to SOLIDWORKS Chapter 2. Drawing Sketches with SOLIDWORKS Chapter 3. Editing and Modifying Sketches Chapter 4. Applying Geometric Relations and Dimensions Chapter 5. Creating First/Base Feature of Solid Models Chapter 6. Creating Reference Geometries Chapter 7. Advanced Modeling - I Chapter 8. Advanced Modeling - II Chapter 9. Patterning and Mirroring Chapter 10. Advanced Modeling - III Chapter 11. Working with Configurations Chapter 12. Working with Assemblies - I Chapter 13. Working with Assemblies - II Chapter 14. Working with Drawings Main Features of the Textbook Comprehensive coverage of tools Step-by-step real-world tutorials with every chapter Hands-on test drives to enhance the skills at the end of every chapter Additional notes and tips Customized content for faculty (PowerPoint Presentations) Free learning resources for faculty and students Additional student and faculty projects Technical support for the book by contacting info@cadartifex.com

SOLIDWORKS Simulation 2020: A Power Guide for Beginners and Intermediate Users Createspace Independent Publishing Platform

SOLIDWORKS 2021: A Power Guide for Beginners and Intermediate Users textbook has been designed for instructor-led courses as well as self-paced learning. It is intended to help engineers and designers interested in learning SOLIDWORKS for creating 3D mechanical design. This textbook is a great help for new SOLIDWORKS users and a great teaching aid in classroom training. This textbook consists of 14 chapters, with a total of 798 pages covering the major environments of SOLIDWORKS such as Sketching environment, Part modeling environment, Assembly environment, and Drawing environment. This textbook teaches users to use SOLIDWORKS mechanical design software for creating parametric 3D solid components, assemblies, and 2D drawings. This textbook also includes a chapter on creating multiple configurations of a design. This textbook not only focuses on the usage of the tools and commands of SOLIDWORKS but also on the concept of design. Every chapter in this textbook contains tutorials that provide users with step-by-step instructions for creating mechanical designs and drawings with ease. Moreover, every chapter ends with hands-on test drives which allow users to experience the user friendly and technical capabilities of SOLIDWORKS.

Solidworks 2019: A Power Guide for Beginners and Intermediate User CADArtifex

SOLIDWORKS 2023: A Power Guide for Beginners and Intermediate Users textbook has been designed for instructor-led courses as well as self-paced learning. It is intended to help engineers and designers interested in learning SOLIDWORKS for creating 3D mechanical designs. This textbook is a great help for new SOLIDWORKS users and a great teaching aid in classroom training. This textbook consists of 14 chapters, with a total of 780 pages covering the major environments of SOLIDWORKS such as Sketching environment, Part modeling environment, Assembly environment, and Drawing environment. This textbook teaches users to use SOLIDWORKS mechanical design software for creating parametric 3D solid components, assemblies, and 2D drawings. This textbook also includes a chapter on creating multiple configurations of a design. This textbook not only focuses on the usage of the tools and commands of SOLIDWORKS but also on the concept of design. Every chapter in this textbook contains tutorials that provide users with step-by-step instructions for creating mechanical designs and drawings with ease. Moreover, every chapter ends with hands-on test drives which allow users to experience the user friendly and technical capabilities of SOLIDWORKS. Table of Contents: Chapter 1. Introduction to SOLIDWORKS Chapter 2. Drawing Sketches with SOLIDWORKS Chapter 3. Editing and Modifying Sketches Chapter 4. Applying Geometric Relations and Dimensions Chapter 5. Creating Base Feature of Solid Models Chapter 6. Creating Reference Geometries Chapter 7. Advanced Modeling - I Chapter 8. Advanced Modeling - II Chapter 9. Patterning and Mirroring Chapter 10. Advanced Modeling - III Chapter 11. Working with Configurations Chapter 12. Working with Assemblies - I Chapter 13. Working with Assemblies - II Chapter 14. Working with Drawings

SolidWorks Administration Bible CADArtifex

This book starts with SolidWorks 2019 using step-by-step examples. It begins with creating sketches and parts, assembling them, and then creating print ready drawings. This book gives you an idea about how you can design and document various mechanical components, and helps you to learn some advanced tools and techniques. This book also follows some of the best practices in creating parts. In addition to this, there are some additional chapters covering sheet metal and surface design. Each topic in this book has a brief introduction and a step-by-step example. This will help you to learn SolidWorks 2018 quickly and easily. - Go through with the User Interface - A step-by-step practice to create sketches and 3D models - Teach you about advance Part Modeling tools - Learn the procedure to create Multiple-body parts - Learn to modify components at each step - Learn to create assemblies - Learn Top-down assembly design - Learn to create 2D drawings - Learn basic tools available in Sheet Metal and Surface Environment - Create sheet metal drawings - Create complex shapes using surface modeling tools You can download Resource Files from: www.cadfolks.com (Available very soon)

Mastering SolidWorks SDC Publications

- A comprehensive reference book for SOLIDWORKS 2020 • Contains 260 plus standalone tutorials • Starts with a basic overview of SOLIDWORKS 2020 and its new features • Tutorials are written for each topic with new and intermediate users in mind • Includes access to each tutorial's initial and final state • Contains a chapter introducing you to 3D printing

The SOLIDWORKS 2020 Reference Guide is a comprehensive reference book written to assist the beginner to intermediate user of SOLIDWORKS 2020. SOLIDWORKS is an immense software package, and no one book can cover all

topics for all users. This book provides a centralized reference location to address many of the tools, features and techniques of SOLIDWORKS 2020. This book covers the following: • System and Document properties • FeatureManagers • PropertyManagers • ConfigurationManagers • RenderManagers • 2D and 3D Sketch tools • Sketch entities • 3D Feature tools • Motion Study • Sheet Metal • Motion Study • SOLIDWORKS Simulation • PhotoView 360 • Pack and Go • 3D PDFs • Intelligent Modeling techniques • 3D printing terminology and more Chapter 1 provides a basic overview of the concepts and terminology used throughout this book using SOLIDWORKS 2020 software. If you are completely new to SOLIDWORKS, you should read Chapter 1 in detail and complete Lesson 1, Lesson 2 and Lesson 3 in the SOLIDWORKS Tutorials. If you are familiar with an earlier release of SOLIDWORKS, you still might want to skim Chapter 1 to become acquainted with some of the commands, menus and features that you have not used; or you can simply jump to any section in any chapter. Each chapter provides detailed PropertyManager information on key topics with individual stand-alone short tutorials to reinforce and demonstrate the functionality and ease of the SOLIDWORKS tool or feature. The book provides access to over 260 models, their solutions and additional support materials. Learn by doing, not just by reading. Formulate the skills to create, modify and edit sketches and solid features. Learn the techniques to reuse features, parts and assemblies through symmetry, patterns, copied components, design tables, configurations and more. The book is designed to complement the Online Tutorials and Online Help contained in SOLIDWORKS 2020. The goal is to illustrate how multiple design situations and systematic steps combine to produce successful designs. The author developed the tutorials by combining his own industry experience with the knowledge of engineers, department managers, professors, vendors and manufacturers. He is directly involved with SOLIDWORKS every day and his responsibilities go far beyond the creation of just a 3D model.

SOLIDWORKS 2021 and Engineering Graphics Createspace Independent Publishing Platform
Black & White Edition. The Full Color Edition is also available
SOLIDWORKS Simulation 2019: A Power Guide for Beginners and Intermediate Users textbook is designed for instructor-led courses as well as for self-paced learning. It is intended to help engineers and designers interested in learning finite element analysis (FEA) using SOLIDWORKS Simulation. This textbook benefits new SOLIDWORKS Simulation users and is a great teaching aid in classroom training. It consists of 10 chapters, total 394 pages covering various types of finite element analysis (FEA) such as Linear Static Analysis, Buckling Analysis, Fatigue Analysis, Frequency Analysis, Drop Test Analysis, and Non-linear Static Analysis. This textbook covers important concepts and methods used in finite element analysis (FEA) such as Preparing Geometry, Boundary Conditions (load and fixture), Element Types, Contacts, Connectors, Meshing, Mesh Controls, Mesh Quality Check (Jacobian Check and Aspect Ratio), Adaptive Meshing (H-Adaptive and P-Adaptive), Iterative Methods (Newton-Raphson Scheme and Modified Newton-Raphson Scheme), Incremental Methods (Force, Displacement, or Arc Length), and so on. This textbook not only focuses on the usages of the tools of SOLIDWORKS Simulation but also on the fundamentals of finite element analysis (FEA) through various real-world case studies. The case studies used in this textbook allow users to solve various real-world engineering problems, step-by-step. Moreover, the Hands-on test drives are given at the end of the chapters which allow users to experience the user friendly and technical capabilities of SOLIDWORKS Simulation. Every chapter begins with learning objectives related to the topics covered in that chapter. Moreover, every chapter ends with a summary which lists the topics learned in that chapter followed by questions to assess the knowledge. Table of Contents: Chapter 1. Introduction to FEA and SOLIDWORKS Simulation Chapter 2. Introduction to Analysis Tools and Static Analysis Chapter 3. Case Studies of Static Analysis Chapter 4. Contacts and Connectors Chapter 5. Adaptive Mesh Methods Chapter 6. Buckling Analysis Chapter 7. Fatigue Analysis Chapter 8. Frequency Analysis Chapter 9. Drop Test Analysis Chapter 10. Non-Linear Static Analysis Main Features of the d104book Comprehensive coverage of tools Step-by-step real-world case studies Hands-on test drives to enhance the skills at the end of chapters Additional notes and tips Customized content for faculty (PowerPoint Presentations) Free learning resources for students and faculty Technical support for the book: info@cadartifex.com

Beginner's Guide to SOLIDWORKS 2019 - Level II CADArtifex

SOLIDWORKS 2020: A Power Guide for Beginners and Intermediate User textbook is designed for instructor-led courses as well as for self-paced learning. It is intended to help engineers and designers interested in learning SOLIDWORKS for creating 3D mechanical design. This textbook is a great help for new SOLIDWORKS users and a great teaching aid in classroom training. This textbook consists of 14 chapters, total 800 pages covering the major environments of SOLIDWORKS such as Sketching environment, Part modeling environment, Assembly environment, and Drawing environment. This textbook teaches users to use SOLIDWORKS mechanical design software for creating parametric 3D solid components, assemblies, and 2D drawings. This textbook also includes a chapter on creating multiple configurations of a design. This textbook not only focuses on the usage of the tools and commands of SOLIDWORKS but also on the concept of design. Every chapter in this textbook contains tutorials that provide users with step-by-step instructions for creating mechanical designs and drawings with ease. Moreover, every chapter ends with hands-on test drives which allow users to experience the user friendly and technical capabilities of SOLIDWORKS. Table of Contents: Chapter 1. Introduction to SOLIDWORKS Chapter 2. Drawing Sketches with SOLIDWORKS Chapter 3. Editing and Modifying Sketches Chapter 4. Applying Geometric Relations and Dimensions Chapter 5. Creating First/Base Feature of Solid Models Chapter 6. Creating Reference Geometries Chapter 7. Advanced Modeling - I Chapter 8. Advanced Modeling - II Chapter 9. Patterning and Mirroring Chapter 10. Advanced Modeling - III Chapter 11. Working with Configurations Chapter 12. Working with Assemblies - I Chapter 13. Working with Assemblies - II Chapter 14. Working with Drawings Main Features of the Textbook Comprehensive coverage of tools Step-by-step real-world tutorials with every chapter Hands-on test drives to enhance the skills at the end of every chapter Additional notes and tips Customized content for faculty (PowerPoint Presentations) Free learning resources for faculty and students Additional student and faculty projects Technical support for the book by contacting info@cadartifex.com

AutoCAD 2024: A Power Guide for Beginners and Intermediate Users Packt Publishing Ltd

SOLIDWORKS 2015: A Power Guide for Beginner and Intermediate Users textbook is designed for instructor-led courses as well as for self-paced learning. This textbook is intended to help engineers and designers who are interested in learning SOLIDWORKS for creating 3D mechanical design. It will be a great starting point for new SOLIDWORKS users and a great teaching aid in classroom training. This textbook contains of 13 chapters covering major environments of SOLIDWORKS: Part, Assembly, and Drawing which teaches you how to use the SOLIDWORKS mechanical design software to build parametric models and assemblies, and how to make drawings of those parts and assemblies. This textbook is not only focuses on the uses of tools/commands of SOLIDWORKS but also on the concept of design. Every chapter of this textbook contains tutorials which intend to help user to experience how things can be done in SOLIDWORKS step by step. Moreover, every chapter ends with hands-on test drives which allow users of this textbook to experience themselves the ease-of-use and powerful capabilities of SOLIDWORKS. Table of Contents: Chapter 1. Introduction to SOLIDWORKS Chapter 2. Drawing Sketches with SOLIDWORKS Chapter 3. Editing and Modifying Sketches Chapter 4. Applying Geometric Relations and Dimensions Chapter 5. Creating First/Base Feature of a Solid

Model Chapter 6. Creating Reference Geometries Chapter 7. Advanced Modeling I Chapter 8. Advanced Modeling II Chapter 9. Patterning and Mirroring Chapter 10. Advanced Modeling III Chapter 11. Working with Assemblies I Chapter 12. Working with Assemblies II Chapter 13. Working with Drawing

SOLIDWORKS 2022 Independently Published

AutoCAD 2021: A Power Guide for Beginners and Intermediate Users textbook is designed for instructor-led courses as well as for self-paced learning. It is intended to help engineers, designers, and CAD operators interested in learning AutoCAD for creating 2D engineering drawings as well as 3D Models. This textbook is a great help for new AutoCAD users and a great teaching aid for classroom training. This textbook consists of 13 chapters, and a total of 556 pages covering major workspaces of AutoCAD such as Drafting & Annotation and 3D Modeling. This textbook teaches you to use AutoCAD software for creating, editing, plotting, and managing real world 2D engineering drawings and 3D Models. This textbook not only focuses on the usage of the tools/commands of AutoCAD but also on the concept of design. Every chapter of this textbook contains tutorials that provide users with step-by-step instructions on how to create mechanical designs and drawings with ease. Moreover, every chapter ends with hands-on test drives which allow users to experience themselves the user friendly and powerful capabilities of AutoCAD. Table of Contents: Chapter 1. Introduction to AutoCAD Chapter 2. Creating Drawings - I Chapter 3. Working with Drawing Aids and Layers Chapter 4. Creating Drawings - II Chapter 5. Modifying and Editing Drawings - I Chapter 6. Working with Dimensions and Dimensions Style Chapter 7. Editing Dimensions and Adding Text Chapter 8. Modifying and Editing Drawings - II Chapter 9. Hatching and Gradients Chapter 10. Working with Blocks and Xrefs Chapter 11. Working with Layouts Chapter 12. Printing and Plotting Chapter 13. Introducing 3D Basics and Creating 3D Models

Solidworks 2015 SDC Publications

SOLIDWORKS 2019 for Designers book is written to help the readers effectively use the modeling and assembly tools by utilizing the parametric and feature-based approach of SOLIDWORKS 2019. This book provides a detailed description of the tools that are commonly used in modeling, assembly, and sheet metal as well as in surfacing. The SOLIDWORKS 2019 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. Special emphasis has been laid on the explanation of the concepts, which have been described in detail using text as well as graphical examples, wherever required. 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 21 chapters that are organized in a pedagogical sequence. Tutorial approach to explain the concepts of SOLIDWORKS 2019. Hundreds of illustrations and comprehensive coverage of SOLIDWORKS 2019 concepts and techniques. Detailed explanation of SOLIDWORKS 2019 tools. The first page of every chapter summarizes the topics that are covered in it. Real-world mechanical engineering designs as tutorials and projects. Table of Contents Chapter 1: Introduction to SOLIDWORKS 2019 Chapter 2: Drawing Sketches for Solid Models Chapter 3: Editing and Modifying Sketches Chapter 4: Adding Relations and Dimensions to Sketches Chapter 5: Advanced Dimensioning Techniques and Base Feature Options Chapter 6: Creating Reference Geometries Chapter 7: Advanced Modeling Tools-I

Chapter 8: Advanced Modeling Tools-II Chapter 9: Editing Features Chapter 10: Advanced Modeling Tools-III Chapter 11: Advanced Modeling Tools-IV Chapter 12: Assembly Modeling-I Chapter 13: Assembly Modeling-II Chapter 14: Working with Drawing Views-I Chapter 15: Working with Drawing Views-II Chapter 16: Surface Modeling Chapter 17: Working with Blocks Chapter 18: Sheet Metal Design Chapter 19: Equations, Configurations, and Library Features Chapter 20: Motion Study Chapter 21: Introduction to Mold Design Index

SOLIDWORKS 2021: A Power Guide for Beginners and Intermediate Users Independently Published

The SOLIDWORKS 2019 Reference Guide is a comprehensive reference book written to assist the beginner to intermediate user of SOLIDWORKS 2019. SOLIDWORKS is an immense software package, and no one book can cover all topics for all users. This book provides a centralized reference location to address many of the tools, features and techniques of SOLIDWORKS 2019. This book covers the following: • System and Document properties • FeatureManagers • PropertyManagers • ConfigurationManagers • RenderManagers • 2D and 3D Sketch tools • Sketch entities • 3D Feature tools • Motion Study • Sheet Metal • Motion Study • SOLIDWORKS Simulation • PhotoView 360 • Pack and Go • 3D PDFs • Intelligent Modeling techniques • 3D printing terminology and more Chapter 1 provides a basic overview of the concepts and terminology used throughout this book using SOLIDWORKS 2019 software. If you are completely new to SOLIDWORKS, you should read Chapter 1 in detail and complete Lesson 1, Lesson 2 and Lesson 3 in the SOLIDWORKS Tutorials. If you are familiar with an earlier release of SOLIDWORKS, you still might want to skim Chapter 1 to become acquainted with some of the commands, menus and features that you have not used; or you can simply jump to any section in any chapter. Each chapter provides detailed PropertyManager information on key topics with individual stand-alone short tutorials to reinforce and demonstrate the functionality and ease of the SOLIDWORKS tool or feature. The book provides access to over 260 models, their solutions and additional support materials. Learn by doing, not just by reading. Formulate the skills to create, modify and edit sketches and solid features. Learn the techniques to reuse features, parts and assemblies through symmetry, patterns, copied components, design tables, configurations and more. The book is designed to complement the Online Tutorials and Online Help contained in SOLIDWORKS 2019. The goal is to illustrate how multiple design situations and systematic steps combine to produce successful designs. The author developed the tutorials by combining his own industry experience with the knowledge of engineers, department managers, professors, vendors and manufacturers. He is directly involved with SOLIDWORKS every day and his responsibilities go far beyond the creation of just a 3D model. **SOLIDWORKS 2019 Learn by Doing** Independently Published

SOLIDWORKS 2019 Learn by doing introduces new users to mechanical design using SOLIDWORKS and how it can be used to create a variety of models. In fourteen tutorial-based chapters, author guides you through all the necessary commands and options in SOLIDWORKS 2019, from sketching to parametric modeling and finally ending with rendering. The commands are presented one step at a time using simple examples. The approach used in this book helps you to become a skilled SOLIDWORKS user. SOLIDWORKS 2019 Learn by doing begins with introduction basic modeling. The later chapters focus on additional modeling, top-down assemblies, sheet metal modeling, drafting, surface modeling, mold tools, weldments, MBD Dimensions, and rendering.