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Commands Guide Tutorial for SolidWorks 2013 Solidworks 2013 Bible **SolidWorks 2013 Tutorial** SolidWorks 2013 for Designers **SolidWorks 2007 Bible** *Engineering Design with SolidWorks 2011* **Engineering & Computer Graphics Workbook Using Solidworks 2013** *Solidworks 2013 and Engineering Graphics* Engineering Design with SolidWorks 2013 and Video Instruction *Beginner's Guide to Solidworks 2013 Automating Solidworks 2013 Using Macros* SolidWorks 2013 Package Development With Solidworks **SolidWorks 2013 Part I - Basic Tools** Parametric Modeling with SolidWorks 2013 **Motion Simulation and Mechanism Design with SolidWorks Motion 2013** *Learning SolidWorks 2013* **SolidWorks 2007 for Designers SolidWorks 2013 Part II - Advanced Techniques** *SOLIDWORKS 2013 Basic for Engineer: Basic [□□□]* SolidWorks 2013 **Engineering Graphics with SolidWorks 2013 and Video Instruction SOLIDWORKS 2013 for Engineer(Basic) SolidWorks 2013** SolidWorks® 2013 **Computer-Aided Engineering Design with SolidWorks SolidWorks 2013 SolidWorks 2013 SolidWorks 2013** *SolidWorks® 2013 SolidWorks® 2013* **SolidWorks 2013 Design of Weldments using SolidWorks 2013 Analysis of Machine Elements Using SolidWorks Simulation 2014** *Introduction to Solid Modeling Using SolidWorks® 2013* **SOLIDWORKS 2013-2017: Sheet Metal Design SolidWorks Surfacing and Complex Shape Modeling Bible Learning and Applying SolidWorks 2013-2014 SolidWorks for Technology and Engineering Product Performance Evaluation using CAD/CAE**

Engineering Graphics with SolidWorks 2013 and Video Instruction DVD is written to assist technical school, two year college, four year university instructor/student or industry professional that is a beginner or intermediate SolidWorks user. The book combines the fundamentals of engineering graphics and dimensioning practices with a step-by-step project based approach to learning SolidWorks with the enclosed 1.5 hour Video Instruction DVD. Learn by doing, not just by reading. The book is divided into two parts: Engineering Graphics and SolidWorks 3D CAD software. In Chapter 1 through Chapter 3, you explore the history of engineering graphics, manual sketching techniques, orthographic projection, isometric projection, multi-view drawings, dimensioning practices and the history of CAD leading to the development of SolidWorks. In Chapter 4 through Chapter 8, you apply engineering graphics fundamentals and learn the SolidWorks User Interface, Document and System properties, simple parts, simple and complex assemblies, design tables, configurations, multi-sheet, multi-view drawings, Bill of Materials, Revision tables, basic and advanced features. Follow the step-by-step instructions in over 70 activities to develop eight parts, four sub-assemblies, three drawings, and six document templates. Formulate the skills to create and modify solid features to model a 3D FLASHLIGHT assembly. Chapter 9 provides a bonus section on the Certified SolidWorks Associate CSWA program with sample exam questions and initial and final SolidWorks models. Passing the CSWA exam proves to employers that you have the necessary fundamental engineering graphics and SolidWorks competencies. Review individual features, commands, and tools for each project with the book’s 1.5 hour Video Instruction DVD and SolidWorks Help. The chapter exercises analyze and examine usage competencies based on the project objectives. The book is designed to complement the SolidWorks Tutorials located in the SolidWorks Help menu.

Each section explores the SolidWorks Online User’s Guide to build your working knowledge of SolidWorks. Desired outcomes and usage competencies are listed for each project. Know your objectives up front. Follow the step-by step procedures to achieve your design goals. Work between multiple documents, features, commands, and properties that represent how engineers and designers utilize SolidWorks in industry. The authors developed the industry scenarios by combining their own industry experience with the knowledge of engineers, department managers, vendors, and manufacturers. These professionals are directly involved with SolidWorks every day. Their responsibilities go far beyond the creation of just a 3D model. If you want to gain proficiency and expertise with SolidWorks surface modeling, this is the resource for you. You'll learn how to apply concepts, utilize tools, and combine techniques and strategies in hands-on tutorials. This Bible covers the range from sketching splines and shelling to modeling blends and decorative features. Complete with professional tips and real-world examples, this inclusive guide enables you to coax more out of SolidWorks surfacing tools. Unique and thorough Includes a CD keyed to examples for clear, effective and interactive learning of SolidWorks software. (Note: Users must have a current version of the SolidWorks software installed on their computer to complete the exercises.) An appendix offers the CSWA exam for certification of skills 14 chapters and two appendices (click the TOC button, above, to view) SolidWorks for Technology and Engineering, Second Edition, provides a comprehensive introduction for students. Little or no prior experience is needed to benefit from this liberally-illustrated work. Use the book in any educational setting from four-year engineering schools to community colleges and vocational / technical schools and industrial training centers. The book is also a reliable reference on the job. It functions well as a self-study manual. Authors Valentino and DiZinno have carefully and thoughtfully arranged the contents in a clear, logical sequence. Many hundreds of well-drawn visuals supplant wordy explanations, demonstrating the power of the software. Many learning aids are included throughout the 500 page book. Key Features Strong graphical illustrations rather than long text and definitions are emphasized. Key definitions are boxed in. Examples provide step-by-step instructions, supported with excellent graphics. Needless cross-referencing has been eliminated. Each example is presented with all explanations appearing on the same page. Exercises are presented at the ends of chapters A CD provided with the text contains files that are keyed in sequence to the selected examples. Students can follow interactively when learning the procedure with the concepts presented in the text. The text contains exercises and materials that are key to preparing students for the Certified SolidWorks Associate (CSWA) exam. Appendix B contains a complete key and sample exam solutions. Beginner’s Guide to SolidWorks 2013 – Level II starts where Beginner’s Guide – Level I ends, following the same easy to read style, but this time covering advanced topics and techniques. The purpose of this book is to teach advanced techniques including sheet metal, surfacing, how to create components in the context of an assembly and reference other components (Top-down design), propagate design changes with SolidWorks’ parametric capabilities, mold design, welded structures, and more while explaining the basic concepts of each trade to allow you to understand the how and why of each operation. The author uses simple examples to allow you to better understand each command and environment, as well as to make it easier to explain the purpose of each step, maximizing the learning time by focusing on one task at a time. This book is focused on the processes to complete the modeling of a part, instead of focusing on individual software commands or operations, which are generally simple enough to learn. At the end of this book, you will have acquired enough skills to be highly competitive when it comes to designing with SolidWorks, and while there are many less frequently used commands and options available that will not be covered in this book, rest assured that those covered are most of the commands used every day by SolidWorks designers. The author strived hard to include the commands required in the Certified SolidWorks Associate test as listed on the SolidWorks website, and some, as well as several more. Automating SolidWorks 2013 Using Macros is designed as a tutorial to help beginner to intermediate programmers develop macros for SolidWorks and SolidWorks Workgroup PDM. The focus of this book is primarily on the Visual Studio Tools for Applications (VSTA) macro interface. It covers many of the major API functions through practical

use cases. It teaches many Visual Basic.NET fundamentals as well as SolidWorks, SolidWorks Workgroup PDM and Excel API functions. The Author has also added a chapter dedicated to some of his favorite source code for you to use as the basis for typical automation procedures. What you'll learn Record macros Control Custom Properties Create parts and features Build assemblies Batch create drawings Extract information from Workgroup PDM Create many other time saving utilities Engineering & Computer Graphics Workbook Using SolidWorks 2013 is an exercise-based workbook that uses step-by-step tutorials to cover the fundamentals of SolidWorks 2013. The intended audience is college undergraduate engineering majors, but it could also be used in pre-college introductory engineering courses or by self learners. The text follows an educational paradigm that was researched and developed by the authors over many years. The paradigm is based on the concurrent engineering approach to engineering design in which the 3-D solid model data serves as the central hub for all aspects of the design process. The workbook systematically instructs the students to develop 3-D models using the rich tools afforded in SolidWorks. The exercises then proceed to instruct the students on applications of the solid model to design analysis using finite elements, to assembly modeling and checking, to kinematic simulation, to rapid prototyping, and finally to projecting an engineering drawing. The workbook is ideally suited for courses in which a reverse engineering design project is assigned. This book contains clear and easy to understand instructions that enable the students to robustly learn the main features of SolidWorks, with little or no instructor input. Computer-Aided Engineering Design with SolidWorks is designed for students taking SolidWorks courses at college and university, and also for engineering designers involved or interested in using SolidWorks for real-life applications in manufacturing processes, mechanical systems, and engineering analysis. The course material is divided into two parts. Part I covers the principles of SolidWorks, simple and advanced part modeling approaches, assembly modeling, drawing, configurations/design tables, and surface modeling. Part II covers the applications of SolidWorks in manufacturing processes, mechanical systems, and engineering analysis. The manufacturing processes applications include mold design, sheet metal parts design, die design, and weldments. The mechanical systems applications include: routing, piping and tubing, gears, pulleys and chains, cams and springs, mechanism design and analysis, threads and fasteners, hinges, and universal joints. The sections on engineering analysis also include finite element analysis. This textbook is unique because it is one of the very few to thoroughly cover the applications of SolidWorks in manufacturing processes, mechanical systems, and engineering analysis, as presented in Part II. It is written using a hands-on approach in which students can follow the steps described in each chapter to: model and assemble parts, produce drawings, and create applications on their own with little assistance from their instructors during each teaching session or in the computer laboratory. There are pictorial descriptions of the steps involved in every stage of part modeling, assembly modeling, drawing details, and applications presented in this textbook. Supplementary Material(s) For Users (2 MB) A comprehensive resource packed with information for both beginners and advanced users SolidWorks is the leading 3D solid modeling software used in computer-aided design. It's powerful but not simple. This complete guide introduces beginners to the software but then goes far beyond, covering numerous details that advanced users have requested. Beginners will learn not only how the software works but why, while more experienced users will learn all about search criteria, Pack-and-Go, other file management concepts, and much more. A valuable companion website contains before and after real-world parts and assemblies along with many example files used in the text. Additionally, the text of the book is augmented by video tutorials with author voice-over which can be found on the website. SolidWorks is the leading 3D CAD program, and previous editions of this book have sold more than 33,000 copies Covers necessary information to give beginners a solid foundation in the software, including part and assembly modeling and 2D drawing techniques Addresses a wide range of advanced topics not treated in other books, including best practices, search criteria, Pack-and-Go, and other file management concepts Includes tutorials on both beginning and advanced topics, with videos; sample part, assembly, and drawing files; and before-and-after example files available on the companion website

SolidWorks 2013 Bible is the ultimate resource on SolidWorks 2013, the book beginners can start with and advanced users will want to keep close at hand. □SOLIDWORKS 2013 for Engineer: Basic□□ □□□ □□ □□□□□ □□□□. □□□□□ □□ □□□□ □□□ □□□□□□, □□□ □□ □□ □□□ □□□□□. Motion Simulation and Mechanism Design with SolidWorks Motion 2013 is written to help you become familiar with SolidWorks Motion, an add-on module of the SolidWorks software family. This book covers the basic concepts and frequently used commands required to advance readers from a novice to intermediate level in using SolidWorks Motion. SolidWorks Motion allows you to use solid models created in SolidWorks to simulate and visualize mechanism motion and performance. Using SolidWorks Motion early in the product development stage could prevent costly redesign due to design defects found in the physical testing phase. Therefore, using SolidWorks Motion contributes to a more cost effective, reliable, and efficient product design process. Basic concepts discussed in this book include model generation, such as creating assembly mates for proper motion; carrying out simulation and animation; and visualizing simulation results, such as graphs and spreadsheet data. These concepts are introduced using simple, yet realistic examples. Verifying the results obtained from the computer simulation is extremely important. One of the unique features of this book is the incorporation of theoretical discussions for kinematic and dynamic analyses in conjunction with the simulation results obtained using SolidWorks Motion. Verifying the simulation results will increase your confidence in using the software and prevent you from being fooled by erroneous simulations. Introduction to Solid Modeling Using SolidWorks® 2013presents "keystroke-level" tutorials, providing users new to the SolidWorks® program with all the detail they need to become confident using the software. Topics are illustrated and infused with examples from the real world such as flanges, brackets, helical springs, and more. Additionally, this easy-to-use guide has modular chapters, allowing for flexible organization of a course or self-study. Accessible and updated for the newest version of software, Introduction to Solid Modeling Using SolidWorks® 2013 by Howard and Musto relates solid modeling exercises to engineering concepts in a way that introduces the engineering design process while simultaneously building student proficiency with a state-of-the-art software tool. The Student Design Kit is no longer available as a download. Instructors can receive free 1 year copies of SolidWorks for their students by going to www.solidworks.com/studentaccess. Schools must be on subscription to receive free student software. Analysis of Machine Elements Using SolidWorks Simulation 2014 is written primarily for first-time SolidWorks Simulation 2014 users who wish to understand finite element analysis capabilities applicable to stress analysis of mechanical elements. The focus of examples is on problems commonly found in an introductory, undergraduate, Design of Machine Elements or similarly named courses. In order to be compatible with most machine design textbooks, this text begins with problems that can be solved with a basic understanding of mechanics of materials. Problem types quickly migrate to include states of stress found in more specialized situations common to a design of mechanical elements course. Paralleling this progression of problem types, each chapter introduces new software concepts and capabilities. Many examples are accompanied by problem solutions based on use of classical equations for stress determination. Unlike many step-by-step user guides that only list a succession of steps, which if followed correctly lead to successful solution of a problem, this text attempts to provide insight into why each step is performed. This approach amplifies two fundamental tents of this text. The first is that a better understanding of course topics related to stress determination is realized when classical methods and finite element solutions are considered together. The second tenet is that finite element solutions should always be verified by checking, whether by classical stress equations or experimentation. Each chapter begins with a list of learning objectives related to specific capabilities of the SolidWorks Simulation program introduced in that chapter. Most software capabilities are repeated in subsequent examples so that users gain familiarity with their purpose and are capable of using them in future problems. All end-of-chapter problems are accompanied by evaluation "check sheets" to facilitate grading assignments. SolidWorks 2013 Tutorial with Video Instruction is targeted towards a technical school, two year college, four year university or industry professional that is a beginner or intermediate CAD user. The text provides a student who is looking

for a step-by-step project based approach to learning SolidWorks with an enclosed 1.5 hour video instruction DVD, SolidWorks model files, and preparation for the CSWA exam. The book is divided into two sections. Chapters 1 - 7 explore the SolidWorks User Interface and CommandManager, Document and System properties, simple machine parts, simple and complex assemblies, design tables, configurations, multi-sheet, multi-view drawings, BOMs, Revision tables using basic and advanced features along with Intelligent Modeling Techniques, SustainabilityXpress, SimulationXpress and DFMXpress. Chapters 8 - 11 prepare you for the new Certified SolidWorks Associate Exam (CSWA). The CSWA certification indicates a foundation in and apprentice knowledge of 3D CAD and engineering practices and principles. 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, 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. This is one book of a four-part series, which aims to integrate discussion of modern engineering design principles, advanced design tools, and industrial design practices throughout the design process. Through this series, the reader will: Understand basic design principles and modern engineering design paradigms. Understand CAD/CAE/CAM tools available for various design related tasks. Understand how to put an integrated system together to conduct product design using the paradigms and tools. Understand industrial practices in employing virtual engineering design and tools for product development. Provides a comprehensive and thorough coverage on essential elements for product performance evaluation using the virtual engineering paradigms Covers CAD/CAE in Structural Analysis using FEM, Motion Analysis of Mechanical Systems, Fatigue and Fracture Analysis Each chapter includes both analytical methods and computer-aided design methods, reflecting the use of modern computational tools in engineering design and practice A case study and tutorial example at the end of each chapter provide hands-on practice in implementing off-the-shelf computer design tools Provides two projects at the end of the book showing the use of Pro/ENGINEER® and SolidWorks ® to implement concepts discussed in the book The Commands Guide Tutorial for SolidWorks 2013 is a comprehensive reference book written to assist the beginner to intermediate user of SolidWorks 2013. 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 2013. 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 Sustainability Sustainability Xpress FlowXpress PhotoView 360 Pack and Go Intelligent Modeling techniques and more. Chapter 1 provides a basic overview of the concepts and terminology used throughout this book using SolidWorks 2013 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 (18 total) 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. All models for the 240 plus tutorials are located on the enclosed book CD with their solution (initial and final). 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 design to compliment the Online Tutorials and Online Help contained in SolidWorks 2013. The goal is to illustrate how multiple design situations and systematic steps combine

to produce successful designs. The authors developed the tutorials by combining their own industry experience with the knowledge of engineers, department managers, professors, vendors and manufacturers.These professionals are directly involved with SolidWorks everyday. Their responsibilities go far beyond the creation of just a 3D model. SolidWorks 2013 Part I - Basic Tools introduces new users to the SolidWorks interface, SolidWorks tools and basic modeling techniques. It provides readers with a strong understanding of SolidWorks and covers the creation of parts, assemblies and drawings. Every lesson and exercise in this book was created based on real world projects. Each of these projects have been broken down and developed into easy and comprehensible steps for the reader. Furthermore, at the end of every chapter there are self test questionnaires to ensure that the reader has gained sufficient knowledge from each section before moving on to more advanced lessons. This book takes the approach that in order to understand SolidWorks, inside and out, the reader should create everything from the beginning and take it step by step. This unique reference is intended to help users learn SolidWorks on their own with little or no outside help. Unlike other books of its kind, it begins at a very basic level and ends at a fairly advanced level. It has been updated to include all new features of SolidWorks 2013 - 2014. And its perfect for anyone enrolled in Engineering and Technology programs, as well as professionals interested in learning SolidWorks. This book was designed to introduce the design of weldments using SolidWorks solid modeling software. Engineering Design with SolidWorks 2011 is written to assist students, designers, engineers and professionals. The book provides a solid foundation in SolidWorks by utilizing projects with step-by-step instructions for the beginning to intermediate SolidWorks user. Explore the user interface, CommandManager, menus, toolbars and modeling techniques to create parts, assemblies and drawings in an engineering environment. Follow the step-by-step instructions and develop multiple parts and assemblies that combine machined, plastic and sheet metal 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, design tables, Bills of Materials, Custom Properties and Configurations. Address various SolidWorks analysis tools: SimulationXpress, Sustainability / SustainabilityXpress and DFMXpress and Intelligent Modeling techniques. Learn by doing, not just by reading! Desired outcomes and usage competencies are listed for each project. Know your objective up front. Follow the steps in Project 1 - 8 to achieve the design goals. Work between multiple documents, features, commands and custom properties that represent how engineers and designers utilize SolidWorks in industry. Review individual features, commands and tools with the enclosed Multi-media CD. The projects contain exercises. The exercises analyze and examine usage competencies. Collaborate with leading industry suppliers such as SMC Corporation of America, Boston Gear and 80/20 Inc. Collaborative information translates into numerous formats such as paper drawings, electronic files, rendered images and animations. On-line intelligent catalogs guide designers to the product that meets both their geometric requirements and performance functionality. The authors developed the industry scenarios by combining their own industry experience with the knowledge of engineers, department managers, vendors and manufacturers. These professionals are directly involved with SolidWorks everyday. Their responsibilities go far beyond the creation of just a 3D model. The book is designed to compliment the SolidWorks Tutorials contained in SolidWorks 2011. SolidWorks 2013 and Engineering Graphics: An Integrated Approach combines an introduction to SolidWorks 2013 with a comprehensive coverage of engineering graphics principles. 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 exercises in this book cover the performance tasks that are included on the Certified SolidWorks Associate (CSWA) Examination. Reference guides located at the front of the book and in each chapter show where these performance tasks are covered. The primary goal of SolidWorks 2013 and Engineering Graphics: An Integrated Approach is to introduce the aspects of Engineering Graphics with the use of modern Computer Aided Design package – SolidWorks 2013. 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 SolidWorks 2013'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. Engineering Design with SolidWorks 2013 and Video Instruction is written to assist students, designers, engineers and professionals. The book provides a solid foundation in SolidWorks by utilizing projects with step-by-step instructions for the beginner to intermediate SolidWorks user. Explore the user interface, CommandManager, menus, toolbars and modeling techniques to create parts, assemblies and drawings in an engineering environment. Follow the step-by-step instructions and develop multiple parts and assemblies that combine machined, plastic and sheet metal 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, design tables, Bills of Materials, Custom Properties and Configurations. Address various SolidWorks analysis tools: SimulationXpress, Sustainability / SustainabilityXpress and DFMXpress and Intelligent Modeling techniques. Learn by doing, not just by reading! Desired outcomes and usage competencies are listed for each project. Know your objective up front. Follow the steps in Project 1 - 8 to achieve the design goals. Work between multiple documents, features, commands and custom properties that represent how engineers and designers utilize SolidWorks in industry. Review individual features, commands and tools with the enclosed Video Instruction DVD. The projects contain exercises. The exercises analyze and examine usage competencies. Collaborate with leading industry suppliers such as SMC Corporation of America, Boston Gear and 80/20 Inc. Collaborative information translates into numerous formats such as paper drawings, electronic files, rendered images and animations. On-line intelligent catalogs guide designers to the product that meets both their geometric requirements and performance functionality. The authors developed the industry scenarios by combining their own industry experience with the knowledge of engineers, department managers, vendors and manufacturers. These professionals are directly involved with SolidWorks every day. Their responsibilities go far beyond the creation of just a 3D model. The book is design to compliment the SolidWorks Tutorials contained in SolidWorks 2013. There are over 2.5 hours of video instructions on the enclosed DVD. "Consists of 1028 pages of heavily illustrated text covering the following features of SolidWorks: part design, assembly design, detailing and drafting, blocks, sheet metal modeling, and surface modeling."--Cover. "The most complete resource for SolidWorks on the market. Matt Lombard's in-depth knowledge plus his snappy wit and wisdom make SolidWorks accessible to users at all levels." -- Mike Sabocheck, Territory Technical Manager, SolidWorks Corporation The most comprehensive single reference on SolidWorks Whether you're a new, intermediate, or professional user, you'll find the in-depth coverage you need to succeed with SolidWorks 2007 in this comprehensive reference. From customizing the interface to exploring best practices to reinforcing your knowledge with step-by-step tutorials, the techniques and shortcuts in this detailed book will help you accomplish tasks, avoid the time-consuming pitfalls of parametric design, and get a firm handle on one of the leading 3D CAD programs on the market. * Customize the user interface and connect hotkeys to macros * Create sketches, parts, assemblies, and drawings * Build intelligence into parts * Work with patterns, equations, and configurations * Learn multibody, surface, and master model techniques * Write, record, and edit Visual Basic(r) macros Design with advanced 3D features Increase speed and efficiency with subassemblies Use multibody models to their full potential What's on the CD-ROM? The CD includes all the parts, assemblies, drawings, and examples you need to follow the tutorials in each chapter. You'll also find finished models, templates, and more. See the CD appendix for details and complete system requirements Parametric Modeling with SolidWorks 2013 contains a series of sixteen tutorial style lessons designed to introduce SolidWorks 2013, solid modeling and parametric modeling

techniques and concepts. This book introduces SolidWorks 2013 on a step-by-step basis, starting with constructing basic shapes, all the way through to the creation of assembly drawings and motion analysis. This book takes a hands-on, exercise-intensive approach to all the important Parametric Modeling techniques and concepts. Each lesson introduces a new set of commands and concepts, building on previous lessons. The lessons guide the user from constructing basic shapes to building intelligent solid models, assemblies and creating multi-view drawings. This book also covers some of the more advanced features of SolidWorks 2013 including how to use the SolidWorks Design Library, basic motion analysis, collision detection and analysis with SimulationXpress. The exercises in this book cover the performance tasks that are included on the Certified SolidWorks Associate (CSWA) Examination. Reference guides located at the front of the book and in each chapter show where these performance tasks are covered. SolidWorks 2013 Part II - Advanced Techniques picks up where SolidWorks 2013 Part I - Basic Tools leaves off. Its aim is to take you from an intermediate user with a basic understanding of SolidWorks and modeling techniques to an advanced user capable of creating complex models and able to use the advanced tools provided by SolidWorks. The text covers parts, surfaces, SimulationXpress, sheet metal, top-down assemblies and core and cavity molds. Every lesson and exercise in this book was created based on real world projects. Each of these projects have been broken down and developed into easy and comprehensible steps for the reader. Furthermore, at the end of every chapter there are self test questionnaires to ensure that the reader has gained sufficient knowledge from each section before moving on to more advanced lessons. This book takes the approach that in order to understand SolidWorks, inside and out, the reader should create everything from the beginning and take it step by step. Learn to design parts and assemblies using the sheet metal tools in SOLIDWORKS (versions 2013 through 2017). This book will teach you everything you need to know to start using SolidWorks 2013 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. No previous experience with Computer Aided Drafting (CAD) is needed since this book starts at an introductory level. The author begins by getting you familiar with the SolidWorks interface and its basic tools right away. 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 SolidWorks’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 SolidWorks. 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 SolidWorks, 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.

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- Solidworks 2013 Bible
- SolidWorks 2013 Tutorial
- SolidWorks 2013 For Designers

- SolidWorks 2007 Bible
- Engineering Design With SolidWorks 2011
- Engineering Computer Graphics Workbook Using Solidworks 2013
- Solidworks 2013 And Engineering Graphics
- Engineering Design With SolidWorks 2013 And Video Instruction
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- SolidWorks 2013
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- SolidWorks 2007 For Designers
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- SolidWorks 2013
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