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Solidworks 2015 Part I Basic Tools





Synopsis

SolidWorks 2015 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. Table of Contents Introduction: SolidWorks 2015 User Interface Setting the System Parameters 1. System Options 2. Document Templates Basic Modeling Topics 3. Basic Solid Modeling - Extrude Options 4. Basic Solid Modeling - Extrude & Revolve 5. Revolved Parts - Ball Joint Arm Derived Sketches - Center Ball Joint 6. Rib & Shell Features - Formed Tray Using Shell and Mirror Using the Intersect Feature 7. Linear Patterns - Test Tray Circular Patterns -Spur Gear Circular Patterns - Circular Base Mount Curve Driven Patterns & Hole Wizard 8. Part Configuration - Machined Block Contour Selection 9. Modeling Threads - Threaded Insert Working with MultiBody Parts 10. Bottom Up Assembly - Ball Joint Assembly Bottom Up Assembly - Links Assembly 11. Using Advanced Mates Limit and Cam Mates Radial Explode Using Smart Mates 12. Layout Assembly SolidWorks Animator - The Basics Working with Sketch Pictures 13. Working with Sketch Pictures PhotoView360 Basics Drawing Topics 14. Drawing Preparations 15. Assembly Drawings - Links Assembly Assembly Drawing - Alternate Position View 16. Drawing Views -Machined Block 17. Detailing - Machined Block Details 18. Sheet Metal Drawings - Post Cap 2D to 3D - Convert AutoCAD into SolidWorks e-Drawings - Soft Lock Assembly 19. Configurations Part I -Button Assembly Configurations Part II - Assembly & Drawing 20. Design Tables Assembly - Design Tables Level 2 Final Exams 21. Using the Intersect Feature CSWA Core Preparation Practice Glossary Index SolidWorks 2015 Quick-Guides

Book Information

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Customer Reviews

Great beginners study guide and introduction to Solidworks.

Great instructional book that is really helping me apply the basics. Thanks Paul Tran and for providing the book quick shipping and perfect condition.

Great step by step book. Can be used in first semester of Solid Works class.

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