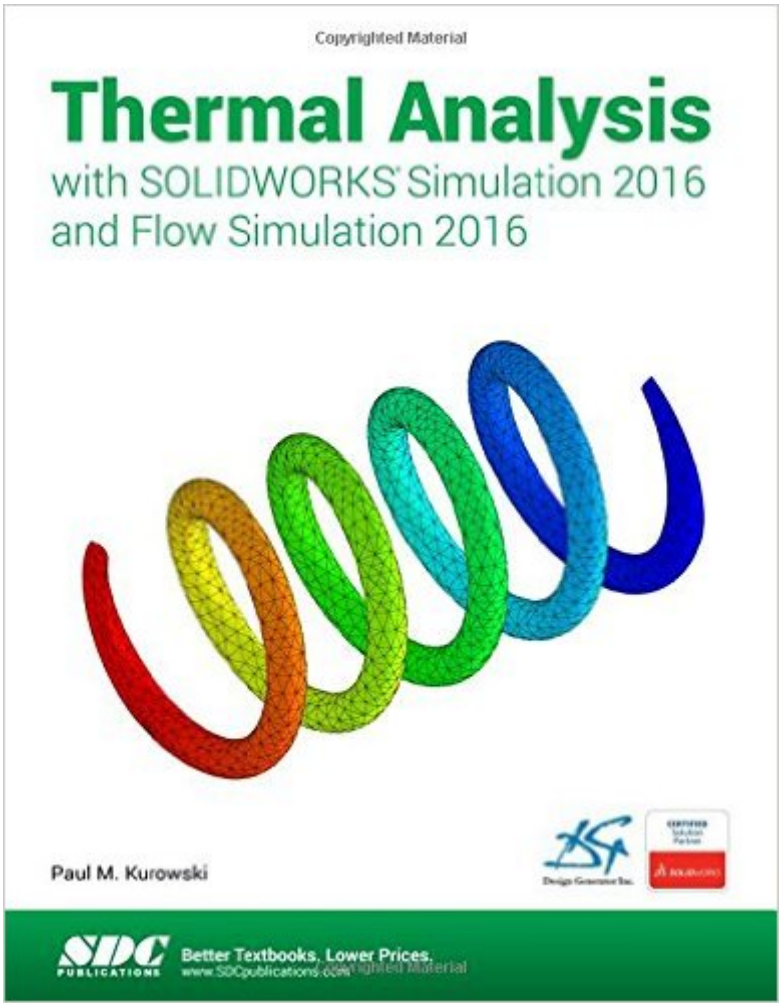
Thermal Analysis With SOLIDWORKS Simulation 2016 And Flow Simulation 2016



Synopsis

Thermal Analysis with SOLIDWORKS Simulation 2016 goes beyond the standard software manual. It concurrently introduces the reader to thermal analysis and its implementation in SOLIDWORKS Simulation using hands-on exercises. A number of projects are presented to illustrate thermal analysis and related topics. Each chapter is designed to build on the skills and understanding gained from previous exercises. Thermal Analysis with SOLIDWORKS Simulation 2016 is designed for users who are already familiar with the basics of Finite Element Analysis (FEA) using SOLIDWORKS Simulation or who have completed the book Engineering Analysis with SOLIDWORKS Simulation 2016. Thermal Analysis with SOLIDWORKS Simulation 2016 builds on these topics in the area of thermal analysis. Some understanding of FEA and SOLIDWORKS Simulation is assumed. Table of Contents 1. Introduction 2. Hollow plate 3. L bracket 4. Thermal analysis of a Round bar 5. Floor heating duct part 1 6. Floor heating duct part 2 7. Hot plate 8. Thermal and thermal stress analysis of a coffee mug 9. Thermal and thermal buckling analysis of a link 10. Thermal analysis of a heat sink 11. Radiative power of a black body 12. Radiation of a hemisphere 13. Radiation between two bodies 14. Heat transfer with internal fluid flow 15. Heat transfer with external fluid flow 16. Radiative Heat Transfer 17. NAFEMS Benchmarks 18. Summary and miscellaneous topics 19. Glossary of terms 20. References 21. List of exercises

Book Information

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Customer Reviews

The book is nice, but it looks like the analysis from 2015 to 2016 is the same. I was specifically

interested in the radiation component thermal analysis, and was disappointed with what I got.

Thermal Analysis with SOLIDWORKS Simulation 2016 and Flow Simulation 2016 An Introduction to SOLIDWORKS Flow Simulation 2016 Engineering Analysis with SOLIDWORKS Simulation 2016 Introduction to Finite Element Analysis Using SOLIDWORKS Simulation 2016 Analysis of Machine Elements Using SOLIDWORKS Simulation 2016 Certified SOLIDWORKS Expert Preparation Materials SOLIDWORKS 2016 Motion Simulation and Mechanism Design with SOLIDWORKS Motion 2016 Master Your Cash Flow: The Key To Grow And Retain Wealth Superbosses: How Exceptional Leaders Master the Flow of Talent Scalping Is Fun! 4: Part 4: Trading Is Flow Business (Heikin AShi Scalping) Flow Free Game: Levels, Cheats, Extreme Pack, Download Guide Real Estate: 30 Best Strategies to Prosper in Real Estate - Real Estate Investing, Financing & Cash Flow (Real Estate Investing, Flipping Houses, Brokers, Foreclosure) SOLIDWORKS 2016 and Engineering Graphics: An Integrated Approach Engineering Graphics with SOLIDWORKS 2016 and Video Instruction SOLIDWORKS 2016 Learn by doing: Part, Assembly, Drawings, Sheet metal, Surface Design, Mold Tools, Weldments, DimXpert, and Rendering SOLIDWORKS 2016: A Power Guide for Beginners and Intermediate Users Parametric Modeling with SOLIDWORKS 2016 SOLIDWORKS 2016 Basic Tools SOLIDWORKS 2016 Advanced Techniques SOLIDWORKS 2016 Intermediate Skills