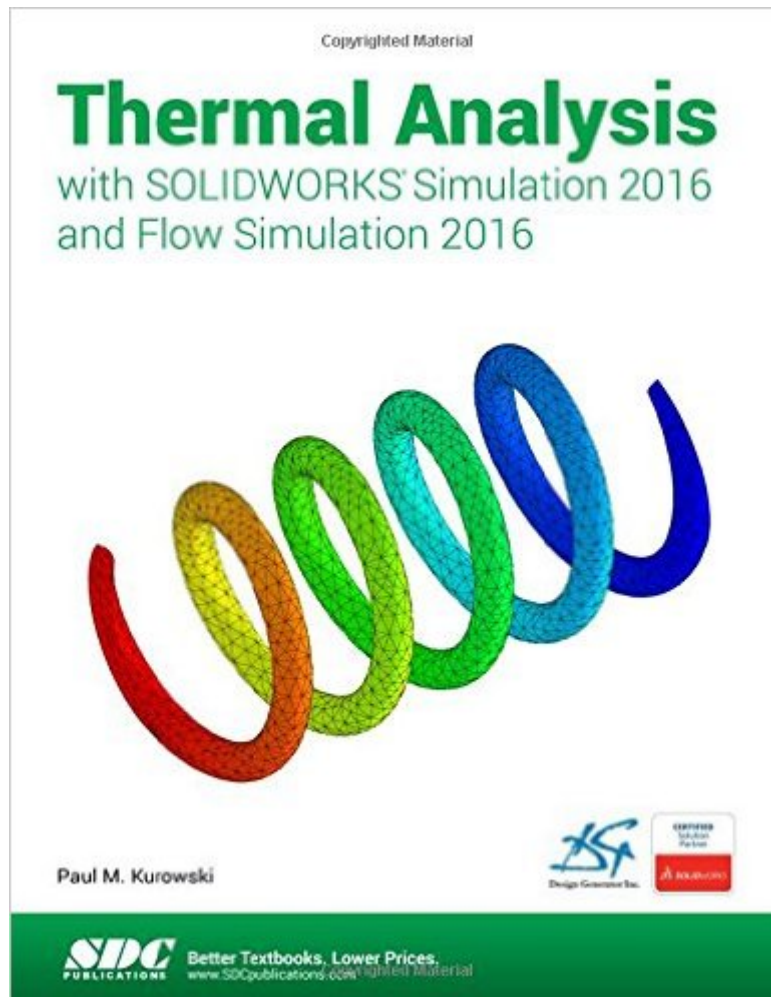


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Thermal Analysis With SOLIDWORKS Simulation 2016 And Flow Simulation 2016



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

Perfect Paperback: 300 pages

Publisher: SDC Publications (May 31, 2016)

Language: English

ISBN-10: 1630570117

ISBN-13: 978-1630570118

Product Dimensions: 0.8 x 8.5 x 10.8 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

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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.

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