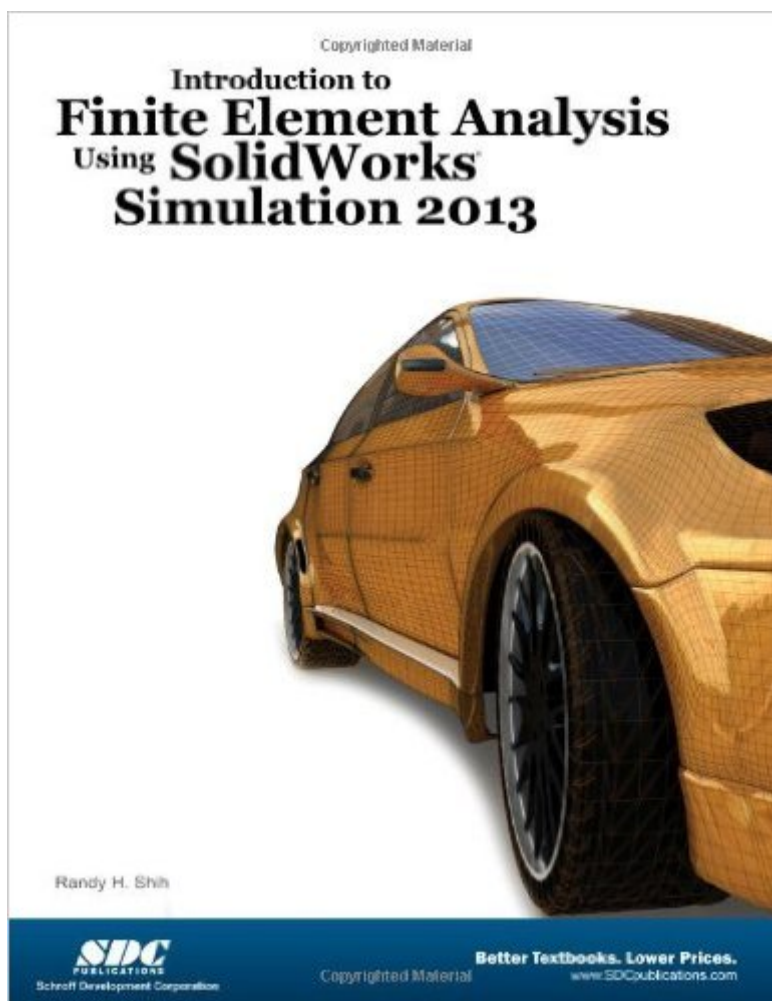The book was found

Introduction To Finite Element Analysis Using SolidWorks Simulation 2013

Synopsis

The primary goal of Introduction to Finite Element Analysis Using SolidWorks Simulation 2013 is to introduce the aspects of Finite Element Analysis (FEA) that are important to engineers and designers. Theoretical aspects of FEA are also introduced as they are needed to help better understand the operation. The primary emphasis of the text is placed on the practical concepts and procedures needed to use SolidWorks Simulation in performing Linear Static Stress Analysis and basic Model Analysis. This text covers SolidWorks Simulation and the lessons proceed in a pedagogical fashion to guide you from constructing basic truss elements to generating three-dimensional solid elements from solid models. This text takes a hands-on, exercise-intensive approach to all the important FEA techniques and concepts. This textbook contains a series of thirteen tutorial style lessons designed to introduce beginning FEA users to SolidWorks Simulation. The basic premise of this book is that the more designs you create using SolidWorks Simulation, the better you learn the software. With this in mind, each lesson introduces a new set of commands and concepts, building on previous lessons. Table of Contents 1. The Direct Stiffness Method 2. Truss Elements in Two-Dimensional Spaces 3. 2D Trusses in MS Excel and the Truss Solver 4. Truss Elements in SolidWorks Simulation 5. SolidWorks Simulation Two-Dimensional Truss Analysis 6. Three-Dimensional Truss Analysis 7. Basic Beam Analysis 8. Beam Analysis Tools 9. Statically Indeterminate Structures 10. Two-Dimensional Surface Analysis 11. Three-Dimensional Solid Elements 12. Three-Dimensional Thin Shell Analysis 13. Dynamic Model Analysis Index

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Customer Reviews

Required for a class I took. This book is a step by step procedure manual. It does not explain why you are doing anything and does not provide any insight into what each option means.

Great purchase experience! Item was exactly what I was expecting.

good FEM book. Delivered in time

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