



Tools for Design Using AutoCAD 2012, Autodesk Inventor 2012 and LEGO MINDSTORMS NXT & TETRIX

Randy Shih

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Tools for Design is intended to provide the user with an overview of computer aided design using two popular CAD software packages from Autodesk: AutoCAD and Autodesk Inventor. This book explores the strengths of each package and show how they can be used in design, both separately and in combination with each other.

What you'll learn

- How to create and dimension 2D multiview drawings using AutoCAD
- How to freehand sketch using axonometric, oblique and perspective projection techniques
- How to create 3D parametric models and 2D multiview drawings using Autodesk Inventor
- How to reuse design information between AutoCAD and Autodesk Inventor
- How to combine parts into assemblies including assembly modeling with a LEGO® MINDSTORMS® Education
- Base Set with TETRIX® kit
- How to perform basic finite element stress analysis using Inventor Stress Analysis Module

Table of Contents

Introduction: Getting Started

1. Fundamentals of AutoCAD
2. Basic Object Construction and Dynamic Input
3. Geometric Construction and Editing Tools
4. Orthographic Views in Multiview Drawings
5. Basic Dimensioning and Notes
6. Pictorials and Sketching
7. Parametric Modeling Fundamentals
8. Constructive Solid Geometry Concepts
9. Model History Tree
10. Parametric Constraints Fundamentals
11. Geometric Construction Tools
12. Parent/Child Relationships and the BORN Technique
13. Part Drawings and 3D Annotation
14. Symmetrical Features in Design
15. Design Reuse
16. Assembly Modeling - Putting It All Together
17. Design Analysis Using Autodesk Inventor Stress Analysis Module
18. Assembly Model with the LEGO® MINDSTORMS® NXT Set - Autodesk Inventor®
19. Assembly Model with the TETRIX® by Pitsco Building System - Autodesk Inventor

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