

Tools for Design Using AutoCAD 2016 and Autodesk Inventor 2016

By 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 shows 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 and a VEX Robot Kit
- How to perform basic finite element stress analysis using Inventor Stress Analysis Module

Who this book is for

This book is designed for high school and college age students wanting to learn the fundamentals of computer aided design with AutoCAD and Inventor and how the two can be used together. No prior CAD experience is required.

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Tools for Design Using AutoCAD 2016 and Autodesk Inventor 2016 By Randy Shih Bibliography

- Sales Rank: #119697 in Books
- Published on: 2015-06-25
- Original language: English
- Dimensions: 10.75" h x 8.50" w x 1.25" l, 3.40 pounds
- Binding: Perfect Paperback
- 625 pages

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