

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



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 youll 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

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