

# Descargar libros gratis Learning Autodesk Inventor 2020 - Randy H. Shih QBook

## Learning Autodesk Inventor 2020

Modeling, Assembly and Analysis



- Teaches beginners how to use Autodesk Inventor with easy to understand tutorials
- Features a simple robot design used as a project throughout the book
- Covers modeling, gear creation, linkage analysis, assemblies, simulations and 3D animation

This book will teach you everything you need to know to start using Autodesk Inventor 2020 with easy to understand, step-by-step tutorials. This book features a simple robot design used as a project throughout the book. You will learn to model parts, create assemblies, run simulations and even create animations of your robot design.

No previous experience with Computer Aided Design(CAD) is needed since this book starts at an introductory level. The author begins by getting you familiar with the Inventor interface and its basic tools. You will start by learning to model simple robot parts and before long you will graduate to creating more complex parts and multi-view drawings.

Along the way you will learn the fundamentals of parametric modeling through the use of geometric constraints and relationships. You will also become familiar with many of Inventor's powerful tools and commands that enable you to easily construct complex features in your models. Also included is coverage of gears, gear trains and spur gear creation using Autodesk Inventor.

This book continues by examining the different mechanisms commonly used in walking robots. You will learn the basic types of planar four-bar linkages commonly used in mechanical designs and how to use the GeoGebra Dynamic Geometry software to simulate and analyze 2D linkages. Using the knowledge you gained about linkages and mechanism, you will learn how to modify your robot and change its behavior by modifying or creating new parts.

In the final chapter of this book you learn how to combine all the robot parts into assemblies and then run motion analysis. You will finish off your project by creating 3D animations of your robot in action.

There are many books that show you how to perform individual tasks with Autodesk Inventor, but this book takes you through an entire project and shows you the complete engineering process. By the end of this book you will have modeled and assembled nearly all the parts that make up the Mechanical Tiger and can start building your own robot.

### Table of Contents

1. Getting Started
2. Parametric Modeling Fundamentals
3. CSG Concepts and Model History Tree

4. Parametric Constraints Fundamentals
  5. Pictorials and Sketching
  6. Symmetrical Features and Part Drawings
  7. Datum Features in Designs
  8. Gear Generator and Content Center
  9. Advanced 3D Construction Tools
  10. Planar Linkage Analysis using GeoGebra
  11. Design Makes the Difference
  12. Assembly Modeling and Motion Analysis
- Index

**Title** : Learning Autodesk Inventor 2020  
**Author** : Randy H. Shih  
:  
:  
:  
:  
:  
**File Size** : 71.11MB

[Descargar libros gratis Learning Autodesk Inventor 2020 - Randy H. Shih QBook](#)

# Descargar libros gratis Learning Autodesk Inventor 2020 - Randy H. Shih QBook

[Descargar libros gratis Learning Autodesk Inventor 2020 - Randy H. Shih QBook](#)

**LEARNING AUTODESK INVENTOR 2020 PDF** - Are you looking for eBook Learning Autodesk Inventor 2020 PDF? You will be glad to know that right now Learning Autodesk Inventor 2020 PDF is available on our online library. With our online resources, you can find Learning Autodesk Inventor 2020 or just about any type of ebooks, for any type of product.

Best of all, they are entirely free to find, use and download, so there is no cost or stress at all. Learning Autodesk Inventor 2020 PDF may not make exciting reading, but Learning Autodesk Inventor 2020 is packed with valuable instructions, information and warnings. We also have many ebooks and user guide is also related with Learning Autodesk Inventor 2020 PDF and many other ebooks.

We have made it easy for you to find a PDF Ebooks without any digging. And by having access to our ebooks online or by storing it on your computer, you have convenient answers with Learning Autodesk Inventor 2020 PDF. To get started finding Learning Autodesk Inventor 2020, you are right to find our website which has a comprehensive collection of manuals listed.

Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Applied Numerical Methods With Matlab Solution Manual 3rd Edition PDF. So depending on what exactly you are searching, you will be able to choose ebooks to suit your own needs.

Here is the access Download Page of LEARNING AUTODESK INVENTOR 2020 PDF, click this link to download or read online:

[Descargar libros gratis Learning Autodesk Inventor 2020 - Randy H. Shih QBook](#)

# Los 10.000 libros más populares [GRATIS]