

# Autodesk Fusion 360 Introduction to Parametric Modeling: Autodesk Authorized Publisher - 2nd Edition

By Ascent - Center for Technical Knowledge

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**Autodesk Fusion 360 Introduction to Parametric Modeling: Autodesk Authorized Publisher - 2nd Edition** By Ascent - Center for Technical Knowledge

The *Autodesk® Fusion 360™ Introduction to Parametric Modeling* student guide provides you with an understanding of the parametric design philosophy using the Autodesk® Fusion 360™ software. Through a hands-on, practice-intensive curriculum, you will learn the key skills and knowledge required to design models using the Autodesk Fusion 360 software. Enhanced with CADLearning videos from 4D Technologies, LLC., this student guide will also assist you in preparing for the Autodesk Fusion 360 Certified User exam.

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## Topics Covered


- Understanding the Autodesk Fusion 360 interface
- Creating, constraining, and dimensioning 2D sketches
- Creating and editing solid 3D features
- Creating and using construction features
- Creating equations and working with parameters
- Manipulating the feature history of a design
- Duplicating geometry in a design
- Placing and constraining/connecting components in a single design file
- Defining motion in a multi-component design
- Creating components and features in a multi-component design
- Creating and editing T-spline geometry

- Documenting a design in drawings
- Defining structural constraints and loads for static analysis

### **Software Version**

As a cloud-based platform, updates are frequently available for the Autodesk Fusion 360 software. This student guide has been developed using software version: 2.0.3173. If you are using a version of the software later than version 2.0.3173, you might notice some variances between images and workflows in this student guide and the software that you are using.

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**Autodesk Fusion 360 Introduction to Parametric Modeling: Autodesk Authorized Publisher - 2nd Edition By Ascent - Center for Technical Knowledge Bibliography**

- Rank: #610248 in Books
- Brand: Ingramcontent
- Published on: 2016-09-19
- Original language: English
- Dimensions: 9.25" h x 1.76" w x 7.50" l,
- Binding: Paperback
- 780 pages

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### About the Author

ASCENT develops and produces a wide range of courseware offerings, knowledge products, and courseware for the industry's leading engineering software tools from Autodesk, Dassault Systèmes, and PTC.

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