

Class Overview

MFG225438

Fusion 360 Quick Tip Jam Session

Presenters:

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Learning Objectives

- Gain new ways to design, engineer, visualize, and manufacturer your products using Fusion 360
- Learn how to use new workflows to improve your speed and efficiency at each stage of the product development process
- Understand different selections, helper keys, commands, and workflows to help create products faster
- Learn how to complete tasks currently not possible, or in fewer clicks, using Fusion 360

Description

Are you a Fusion 360 master? Come to this session to step up your Fusion 360 skills. No matter what level of expertise you have with Fusion 360 3D CAD/CAM software, you'll leave this session with a few tricks up your sleeve. We'll cover some golden nuggets from every workspace in Fusion 360. Some tricks will help you model faster, a few will improve your computer's performance, and others are just plain cool. Come to this session to add some best practices to your Fusion 360 arsenal. Make sure to check out our weekly quick tips to prepare you for this session:

https://www.youtube.com/playlist?list=PLmA_xUT-8UIh4hHJDCEDLPi3wQiMrPRY

5 Favorite Quick Tips

1. _____
2. _____
3. _____
4. _____
5. _____

5 New Tips to Start Using Tomorrow

1. _____
2. _____
3. _____
4. _____
5. _____

Our Favorite Tips (Check the box when you see it)

1. S-Key
2. Midpoint Relationship
3. Between two Faces Joint
4. T-Splines Alt+Drag
5. Move Face/Extrude in Sheet Metal

Our Favorite Hot-Keys

1. Double Middle Mouse Click = _____
2. Cntl(⌘)+Shift+S = _____
3. Cntl(⌘)+ ` = _____
4. Cntl(⌘) + ALT + DRAG = _____
5. SHIFT + N = _____

Our Favorite Apps

Fusion 360 App store <https://apps.autodesk.com/FUSION/en/Home/Index/>

1. [Sheetr](#)
2. [Boltr](#)
3. [Slicer for Fusion 360](#) (FKA 123D Make)
4. [Bommer](#)
5. [Visual Styles](#)

Helpful Links

Quick Tip Youtube Playlist

https://www.youtube.com/watch?v=N3bzKTeCJRk&list=PLmA_xUT-8Ullh4hHJDCEDLPi3wQiMrPRY

Getting Started w/ Fusion 360

<https://www.autodesk.com/products/fusion-360/get-started>

Keyboard Shortcuts

<http://help.autodesk.com/view/fusion360/ENU/?guid=GUID-F0491540-0324-470A-B651-2238D0EFAC30>

Custom Keyboard Shortcuts

<https://www.autodesk.com/products/fusion-360/blog/quick-tip-custom-keyboard-shortcuts/>

Support

<http://help.autodesk.com/view/fusion360/ENU/?page=support>

Ideastation

<https://forums.autodesk.com/t5/fusion-360-ideastation-request-a/idb-p/125>

Road Map

<https://www.autodesk.com/products/fusion-360/blog/category/roadmap/>

Forums

<https://forums.autodesk.com/t5/fusion-360/ct-p/1234>

Great Resources to keep learning:

1. Fusion 360 Youtube: <https://www.youtube.com/channel/UCiMwMz3RMbW5mbx0iDcRQ2g>
2. Webinars: <https://autodesk.wistia.com/projects/3gp20dlh9j>
3. NYCCNC: <https://www.youtube.com/channel/UCe0IyK4ntgdPTTjsxjvyHPg>
4. Lars-CADCAMSTUFF: <https://www.youtube.com/user/cadcamstuff>
5. Design Academy: <https://academy.autodesk.com/getting-started-fusion-360>

Keyboard Shortcuts:

Canvas Selection	Windows Key Combinations	Mac Key Combinations
Pan	Hold Middle Mouse Button	Hold Middle Mouse Button
Zoom	Roll Middle Mouse Button	Roll Middle Mouse Button
Orbit	Hold Shift + Hold Middle Mouse Button	Hold Shift + Hold Middle Mouse Button
Orbit around point	Hold Shift + Click then Hold Middle Mouse Button	Hold Shift + Click then Hold Middle Mouse Button
Undo	Ctrl + Z	Command + Z
Redo	Ctrl + Y	Command + Y
Copy	Ctrl + C	Command + C
Paste	Ctrl + V	Command + V
Cut	Ctrl + X	Command + X

Script Workspace Selection	Windows Key Combinations	Mac Key Combinations
Grow selection	Shift + Up Arrow	Shift + Up Arrow
Shrink selection	Shift + Down Arrow	Shift + Down Arrow
Loop selection	Alt + P	Control + P
Loop grow selection	Alt + O	Control + O
Ring selection	Alt + L	Control + L
Ring grow selection	Alt + K	Control + K
Ring shrink selection	Alt + J	Control + J
Previous U	Alt + Left Arrow	Control + Command + Left Arrow
Next U	Alt + Right Arrow	Control + Command + Right Arrow
Previous V	Alt + Down Arrow	Control + Command + Down Arrow
Next V	Alt + Up Arrow	Control + Command + Up Arrow
Range selection	Alt + M	Command + M
Invert selection	Alt + N	Command + N
Toggle box mode	Alt + 1	Control + 1
Toggle control frame mode	Alt + 2	Control + 2
Toggle smooth mode	Alt + 3	Control + 3
Select edge ring	Double-click an edge	Double-click an edge
Select face ring	Select two faces then double-click a third face	Select two faces then double-click a third face

Edit Form Command	Windows Key Combinations	Mac Key Combinations
Add geometry	Alt + Drag	Alt + Drag
Add geometry and keep creases	Alt + Ctrl + Drag	Alt + Command + Drag

Render Workspace Command	Windows Key Combinations	Mac Key Combinations
Appearance	A	A

Animate Workspace Command	Windows Key Combinations	Mac Key Combinations
Transform Components	M	M
Auto Explode All Levels	U	U
Manual Explode	E	E
View	U	U
Publish Video	P	P

Simulate Workspace Command	Windows Key Combinations	Mac Key Combinations
New Simulation Study	N	N
Structural Constraint	C	C
Structural Loads	L	L
Force	F	F
Model View	Ctrl + L	Command + L
DOF View	Ctrl + D	Command + D
Groups View	Ctrl + G	Command + G
Results View	Ctrl + R	Command + R
Settings	E	E

CAM Workspace Command	Windows Key Combinations	Mac Key Combinations
Generate Toolpath	Ctrl + G	Command + G
Duplicate	Ctrl + D	Command + D
Show Log	Ctrl + L	Command + L
Scripts and Add-ins	Shift + S	Shift + S

Drawing Workspace Command	Windows Key Combinations	Mac Key Combinations
Projected View	P	P
Move	M	M
Delete	Delete	Delete
Center Mark	C	C
Dimension	D	D
Text	T	T
Balloon	B	B