

Class Overview

IM119738

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-8UIIh4hHJDCEdLPi3wQiMrPRY

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>

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/UCe0lyK4ntgdPTTjxsxjvyHPg>
4. Lars-CADCAMSTUFF: <https://www.youtube.com/user/cadcamstuff>
5. Tyler Beck-TECH & ESPRESSO:
https://www.youtube.com/channel/UC_VEo4EW9xoPPc4ZVmy4X7A/featured
6. Titans of CNC: <http://academy.titansofcnc.com/category/learn-to-design-in-cad>
7. Design Academy: <https://academy.autodesk.com/getting-started-fusion-360>

Keyboard Shortcuts:

Command	Key Combinations	Windows Key Combinations	Mac Key Combinations
Extrude	E		
Hole	H		
Press Pull	Q		
Model Fillet	F		
Move	M		
Toggle Visibility	V		
Toggle Component Color Cycling	Shift + N		
Model Toolbox	S		
Appearance	A		
Compute All	Ctrl + B (Windows) or Command + B (Mac)		
Joint	J		
As-built Joint	Shift + J		
Line	L		
2-point Rectangle	R		
Center Diameter Circle	C		
Trim	T		
Offset	O		
Measure	I		
Project	P		
Normal / Construction	X		
Sketch Dimension	D		
Scripts and Add-ins	Shift + S		
Window Selection	1		
Freeform Selection	2		
Paint Selection	3		
Delete	Del		
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
Sculpt 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
System Keyboard Shortcuts	Windows Key Combinations	Mac Key Combinations	
Create Version	Ctrl + S	Command + S	
Recovery Save	Ctrl + Shift + S	Command + Shift + S	
Shortcuts for switching workspaces			
You can now switch workspaces with CTRL + Leftbracket and CTRL + Rightbracket key combos. This will take you through the next and previous workspace in the order it is listed in the workspace switcher.			
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	
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	
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	