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### **Outline**

- Quick Tips
- More Advanced Workflows
  - Lights
  - Creating a scene
  - 3D Wood
  - Turntables
  - Motion Studies
  - Nested Dielectrics
- Feedback and Questions



## **Quick Tips**

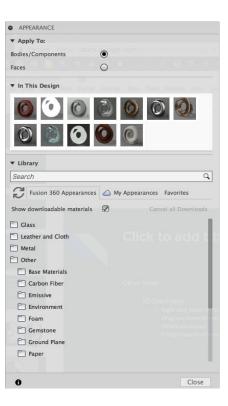
- Tips
  - S Key
  - Delete All Unused
  - Download all
  - Replace One Appearance with another
  - Select Objects Applied to
  - Selection Sets
  - Creating a material
  - Named Views
  - Render on Save
  - Undo Material
  - Cutouts
- Lights
  - Speaker
  - HDRs
  - Creating a scene
- 3D Wood
- Turntables
- Motion Studies
  - LMV Animations



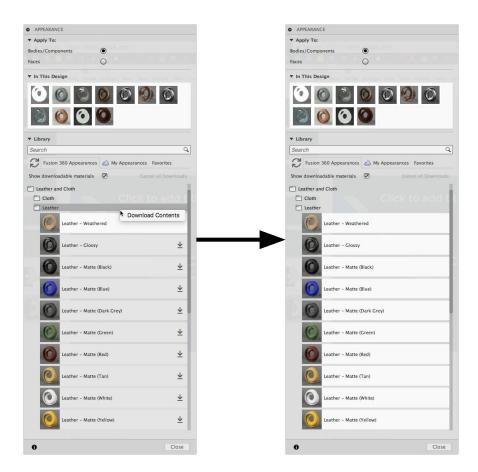
### **Delete All Unused**



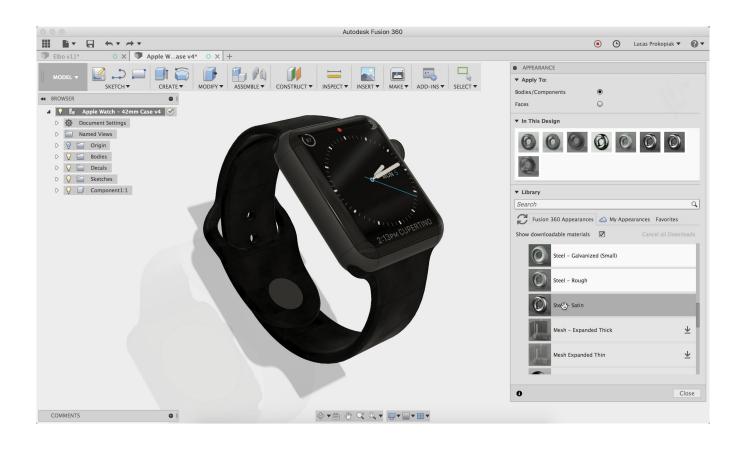




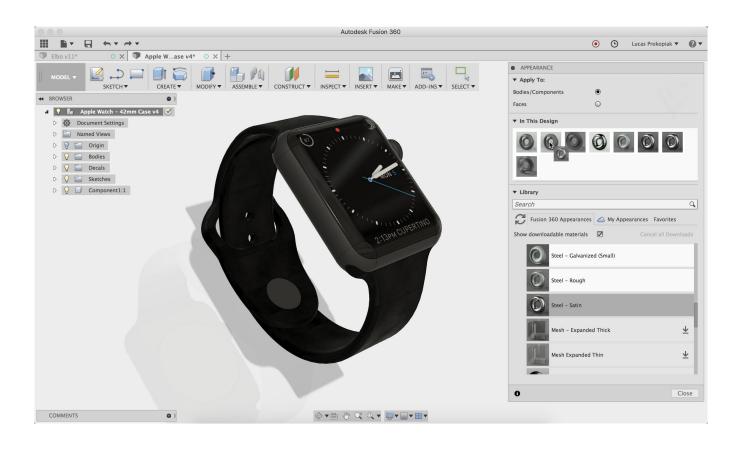
### **Download All Contents**



## Replace One Appearance With Another - 1



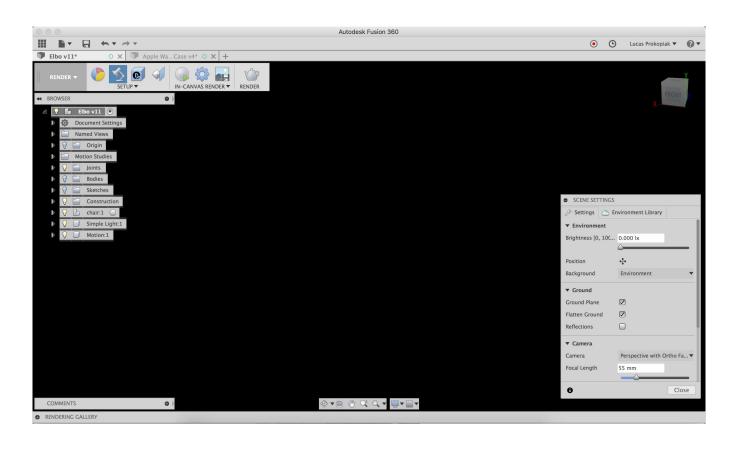
## Replace One Appearance With Another - 2



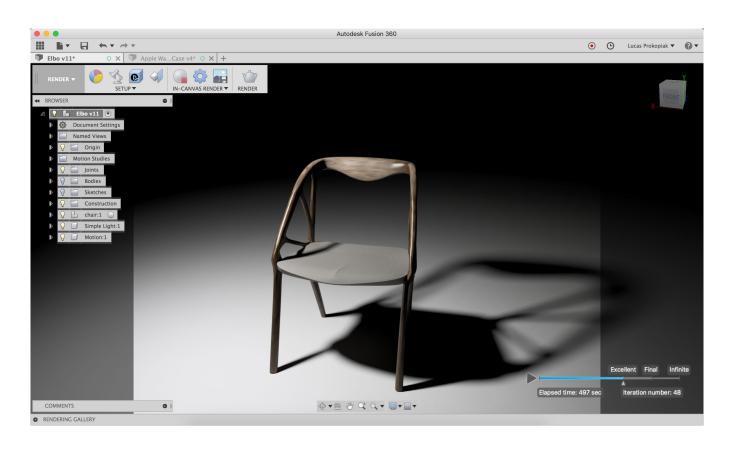
## Replace One Appearance With Another - 3



# **Turning Off the HDR Light**

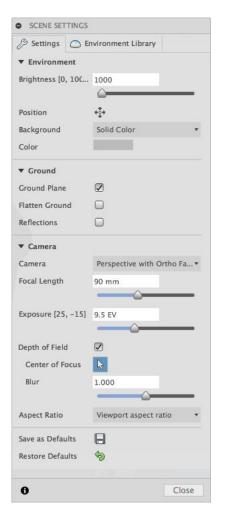


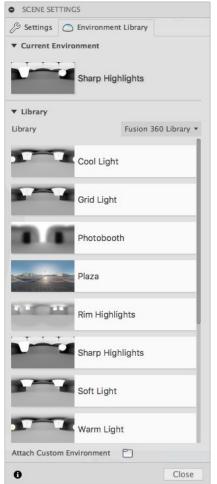
# **Turning Off the HDR Light**



## **Scene Settings**

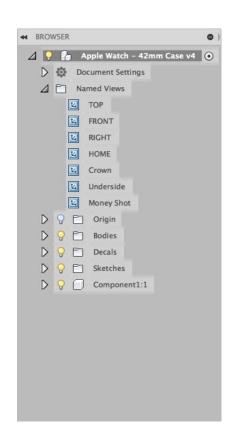
- Best Practices
  - Lower focal length is better to show perspective
  - Depth of Field Blur is aggressive above 0.2
  - Always turn on Aspect Ratio for better scene management





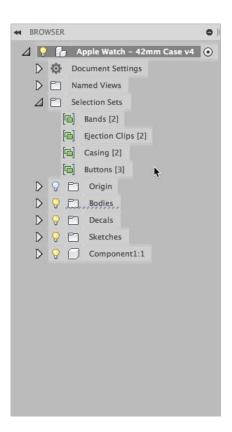
#### **Named Views**

- Best Practices
  - Keep the focal length constant between your named views
  - The perspective often differs from the modeling environment



#### **Selection Sets**

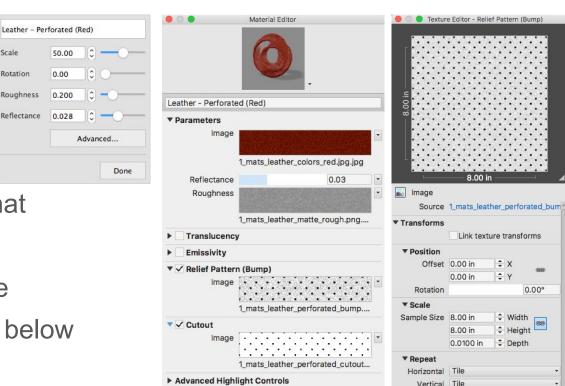
- Best Practices
  - Group bodies/components that are going to have the same appearances together
  - Name your selection sets





## **Material Editing**

- Best Practices
  - 3 levels of editing
  - Relief patterns are what gives texture
    - Depth controls the amount - 0.01" or below is usually good
  - Color can be dictated by image or RGB



OK

Cancel

Apply

▼ Advanced

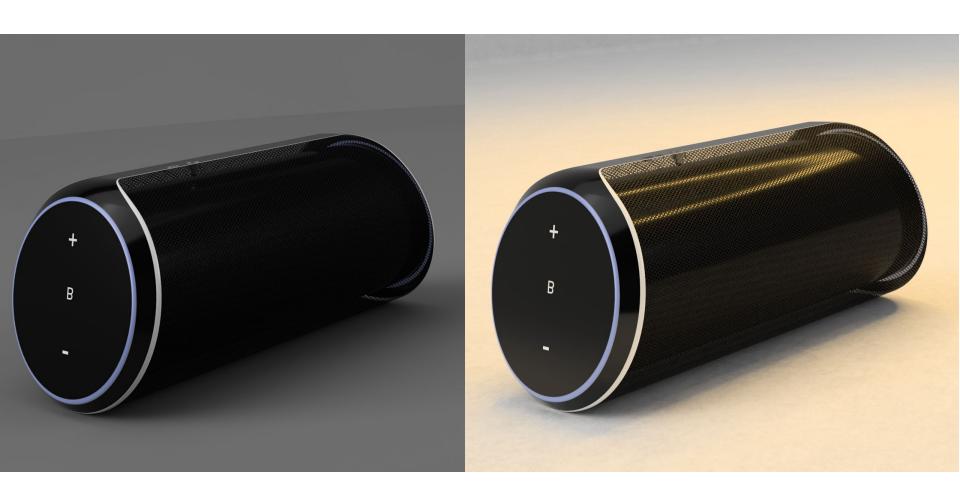
Data Type Height Map

Done



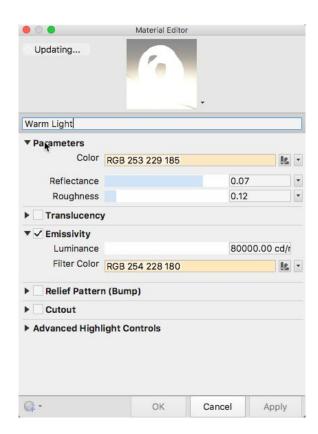


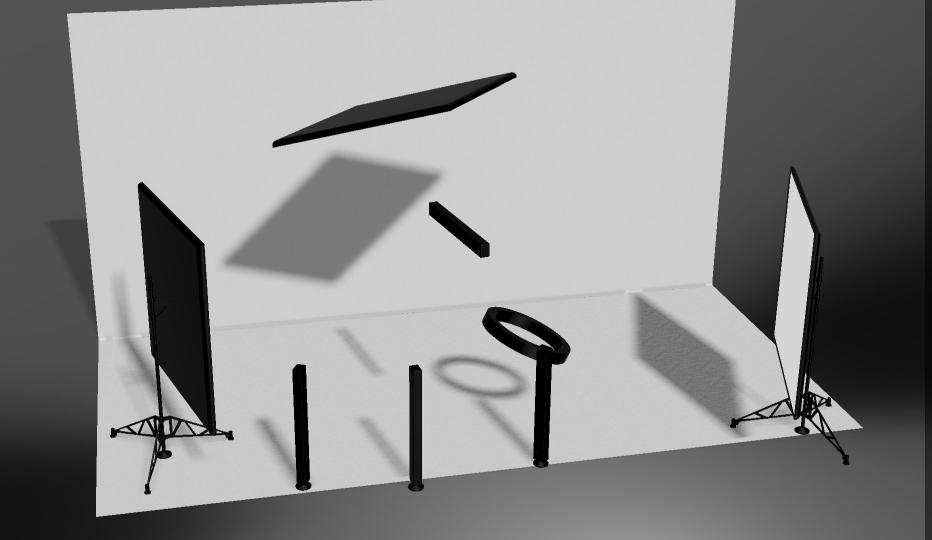




## Lights

- Best Practices
  - Use "Fast" In-Canvas
     Render to quickly preview
     lighting effects
  - Use only one face to speed up render time
  - Create a color you like and save to Favorites







### **3D Wood**

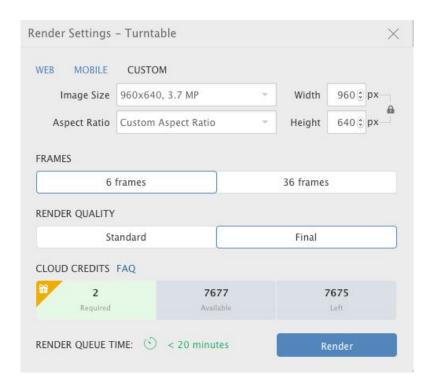
- Best Practices
  - Apply wood, then adjust texture mapping
  - Create bodies/components for each individual part to have realistic mating surfaces





#### **Turntables**

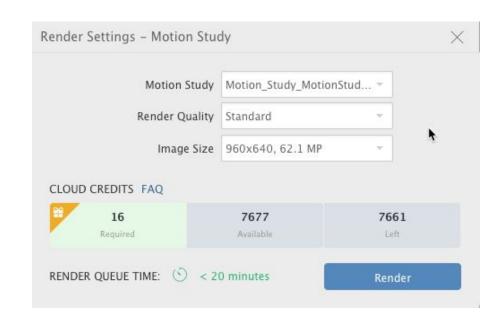
- Best Practices
  - Center of rotation is center of mass of ALL bodies in scene
  - Render a low res version first

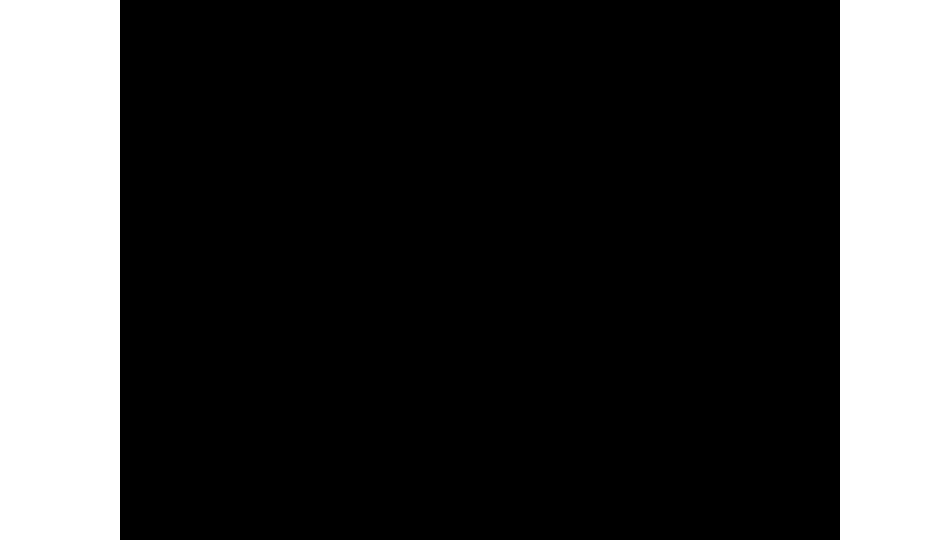




### **Motion Studies**

- Best Practices
  - Render a low res standard one first to make sure framing is correct
  - Name your motion studies
  - Create joints between root component to move camera







#### **Nested Dielectrics**

- Best Practices
  - Overlap geometries slightly
  - Lower priorities are deemed more important
  - In this case, the glass is 0,the ice is 1, and the liquid is









Make anything.



