



# Complex Lofting and Surfacing Inside Autodesk® Inventor®: Designing Fishing Lures & Flies

**Stan Wile**  
Solutions Consultant

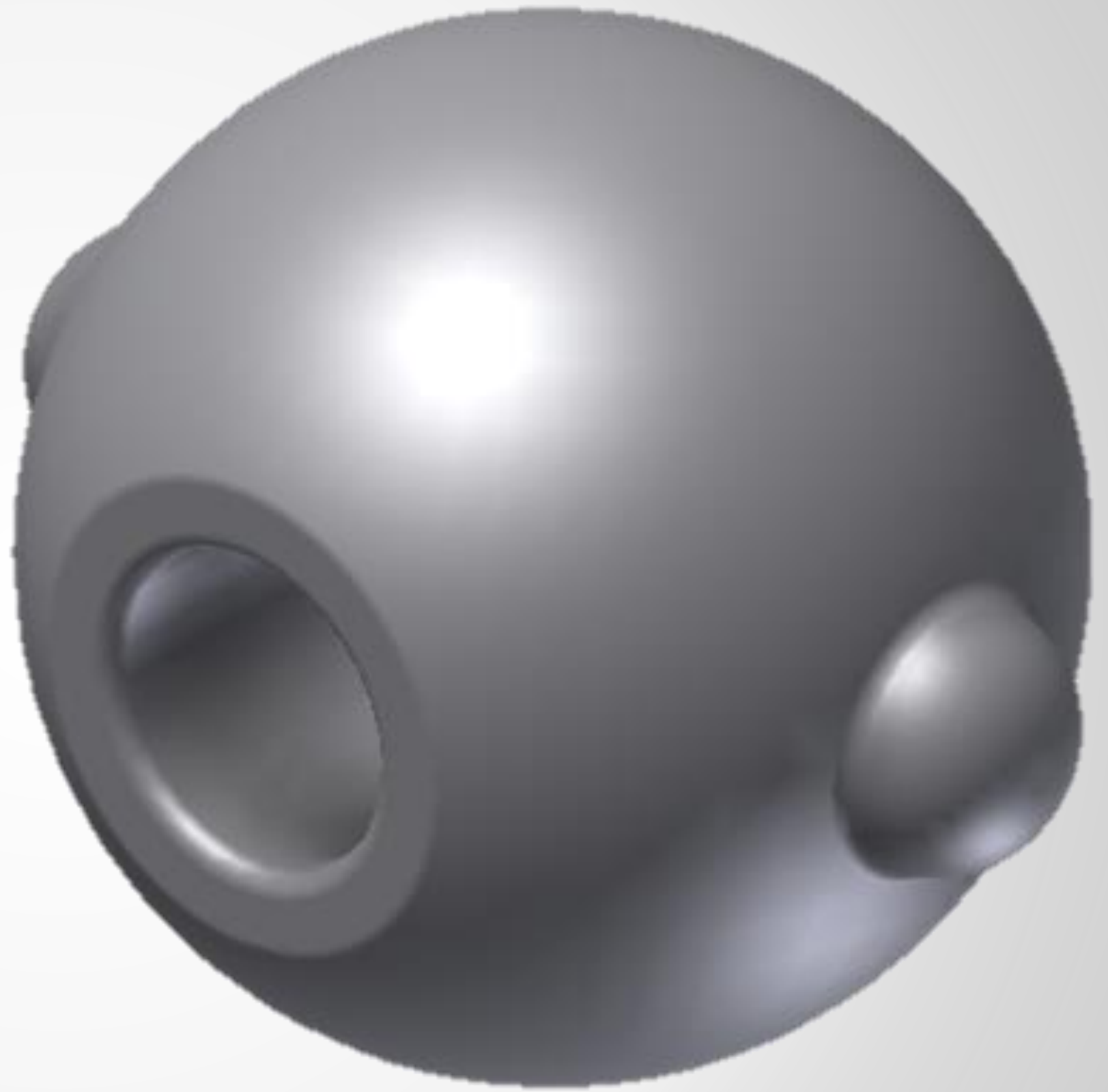


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# Key learning objectives

At the end of this class, you will be able to:

- Confidently use the Loft command
- Use surfaces to get your desired results instead of fighting with feature failure
- Bring your ideas to life by modeling from hand-drawn sketches and model surfaces from hand-drawn sketches
- Confidently create organic shapes

Confidently use the Loft command in your designs

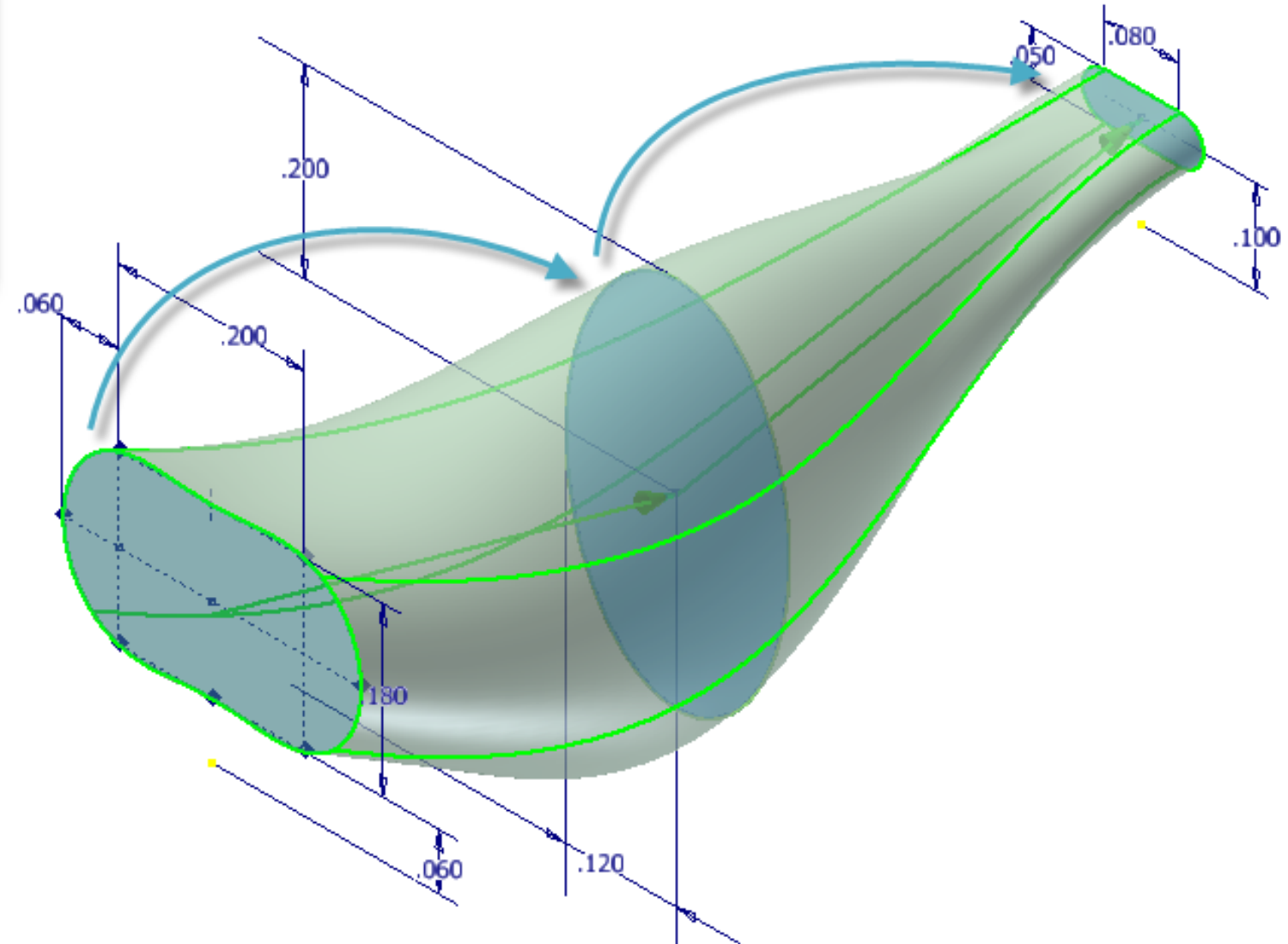
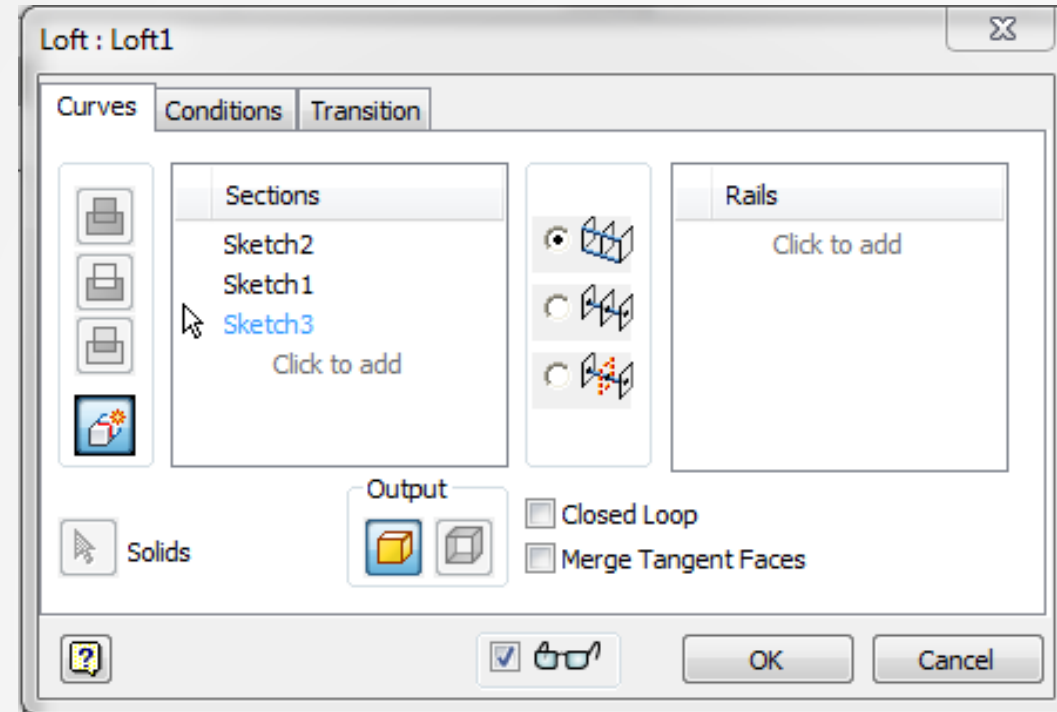






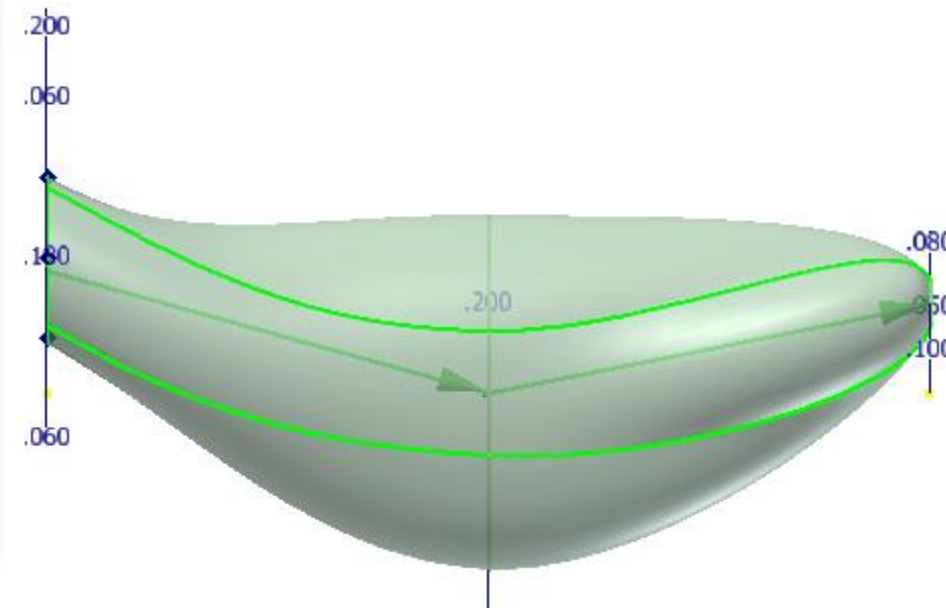
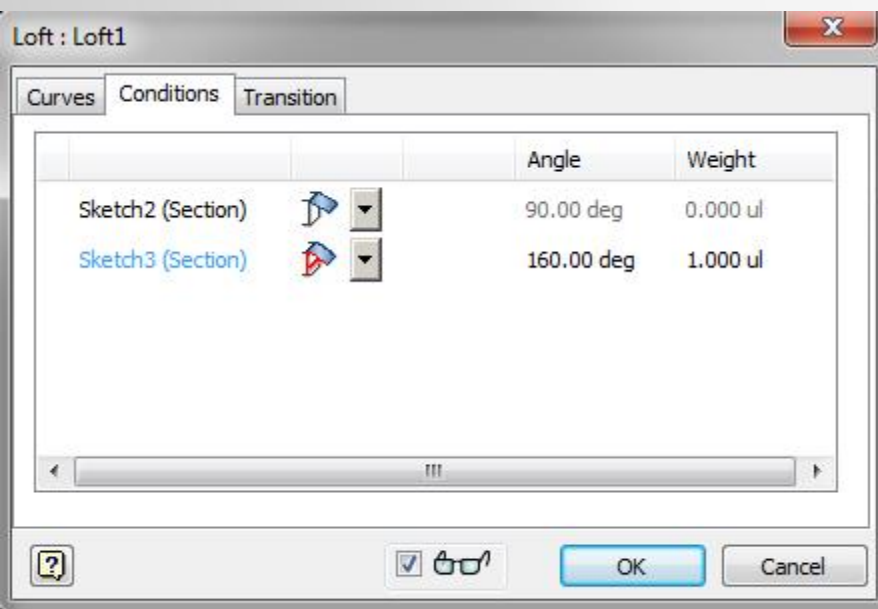
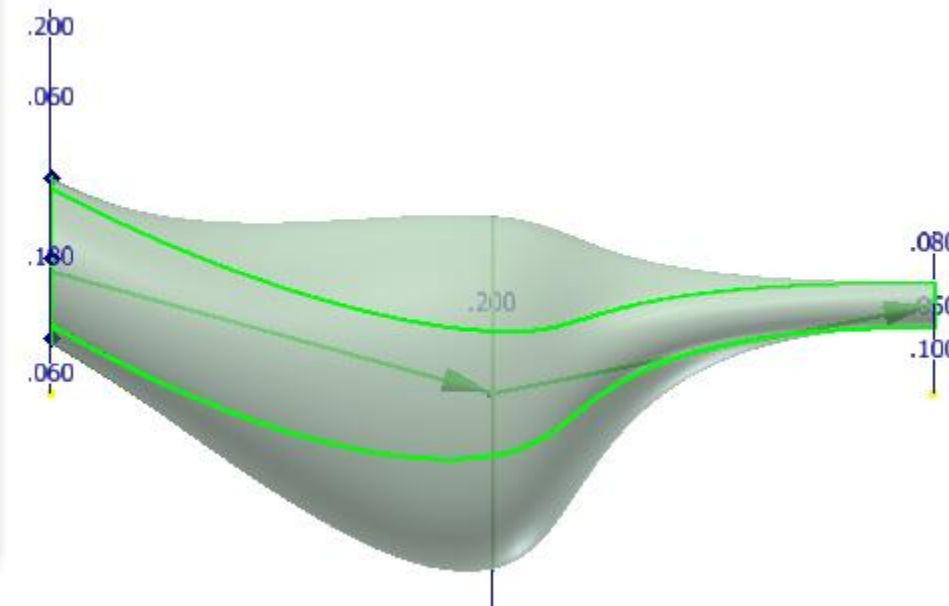
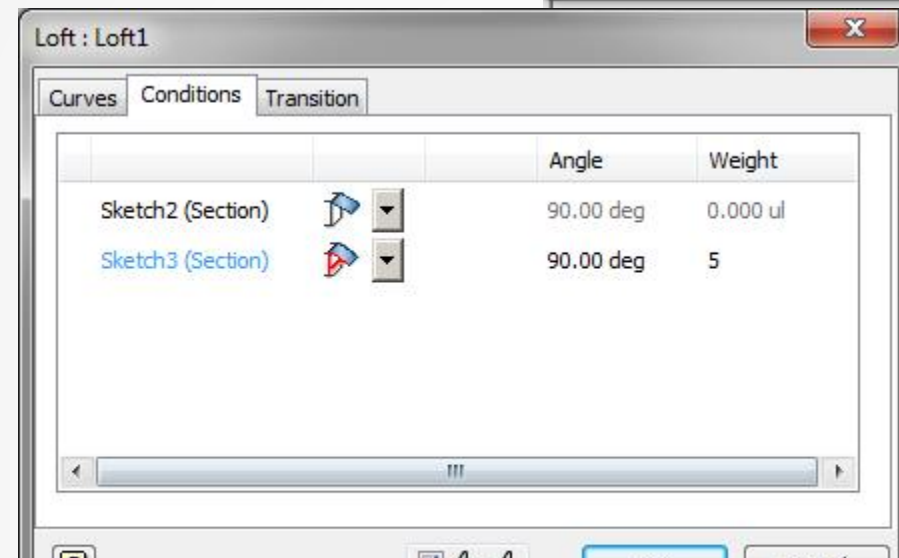
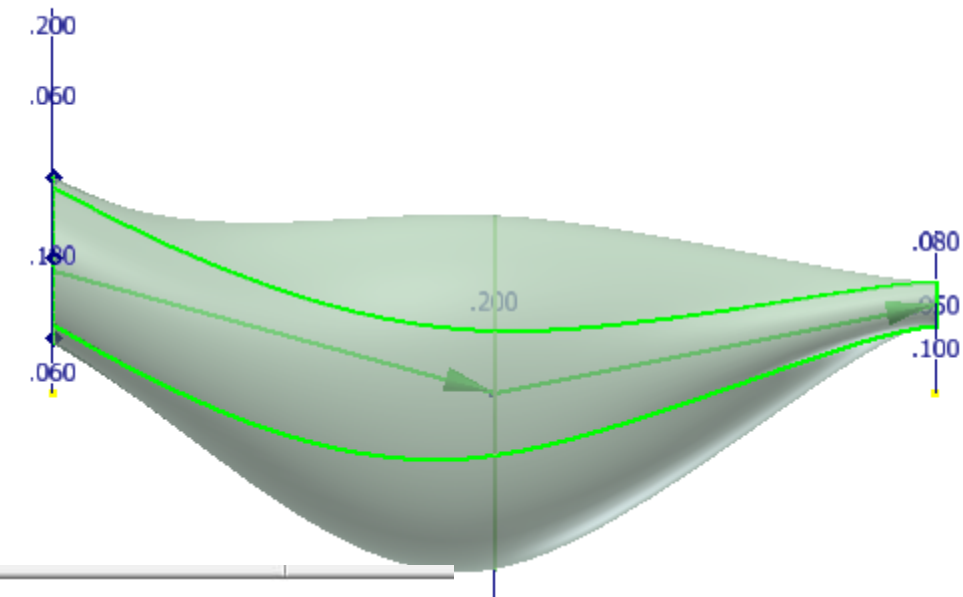
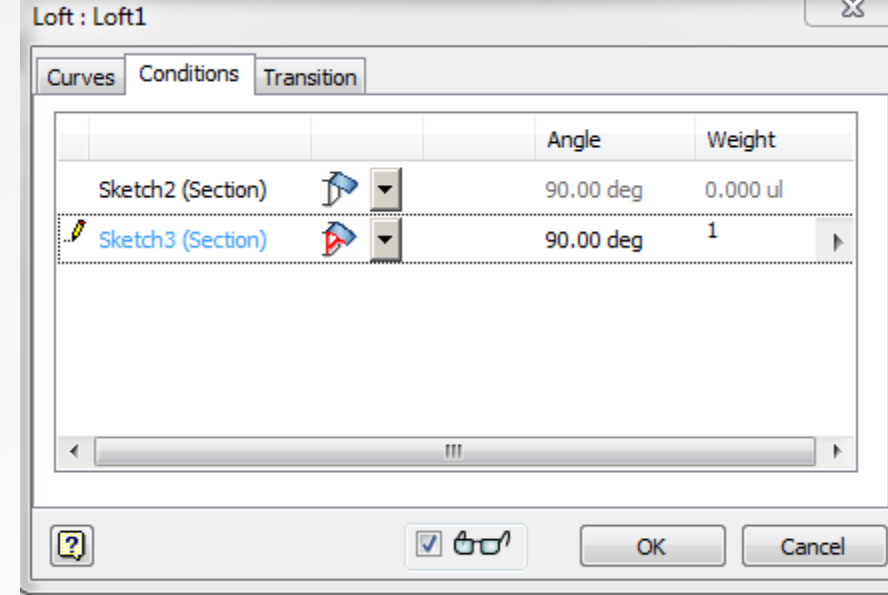
# Basic Loft

- Loft



# Basic Loft

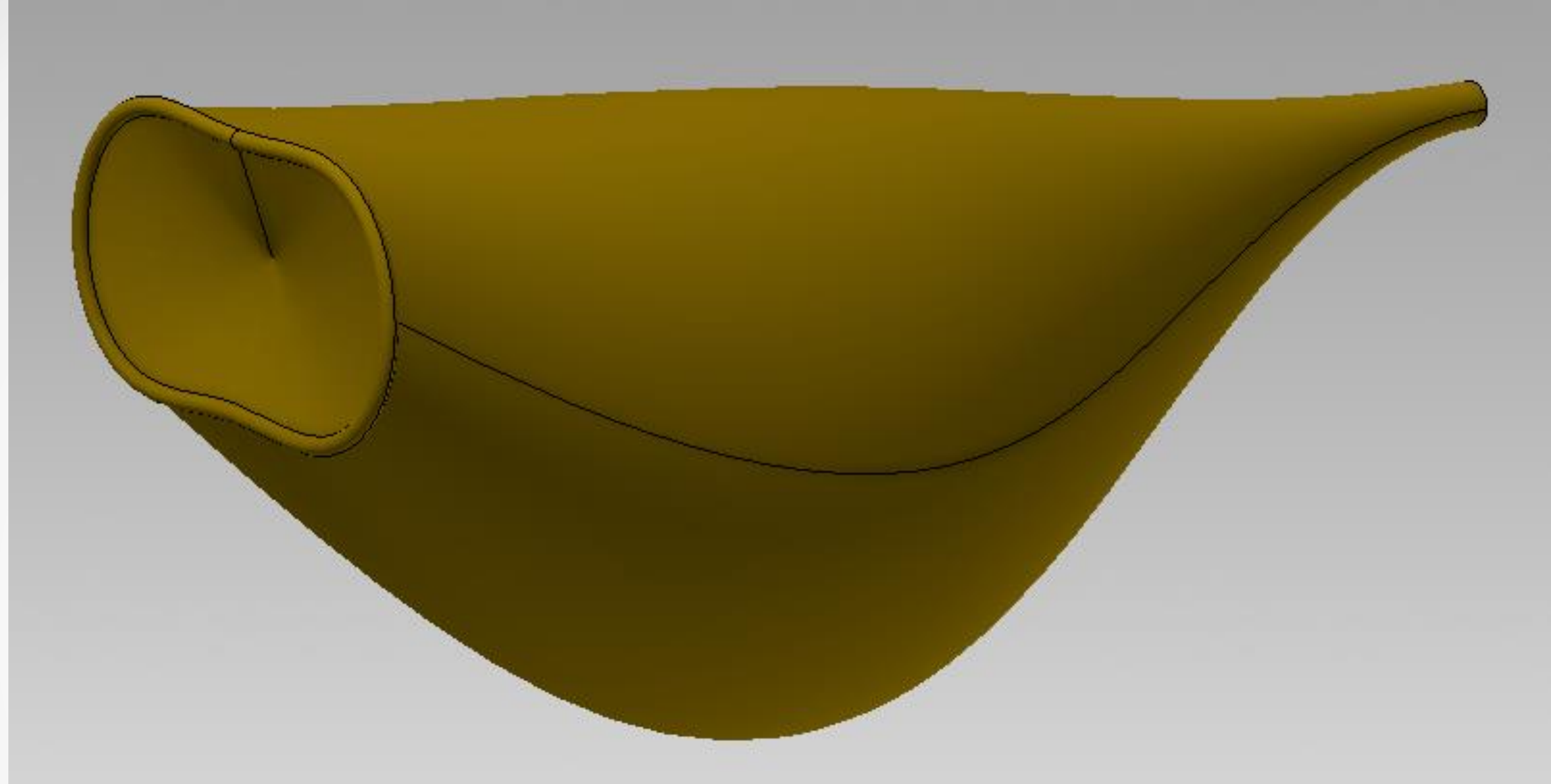
- Loft
  - Conditions





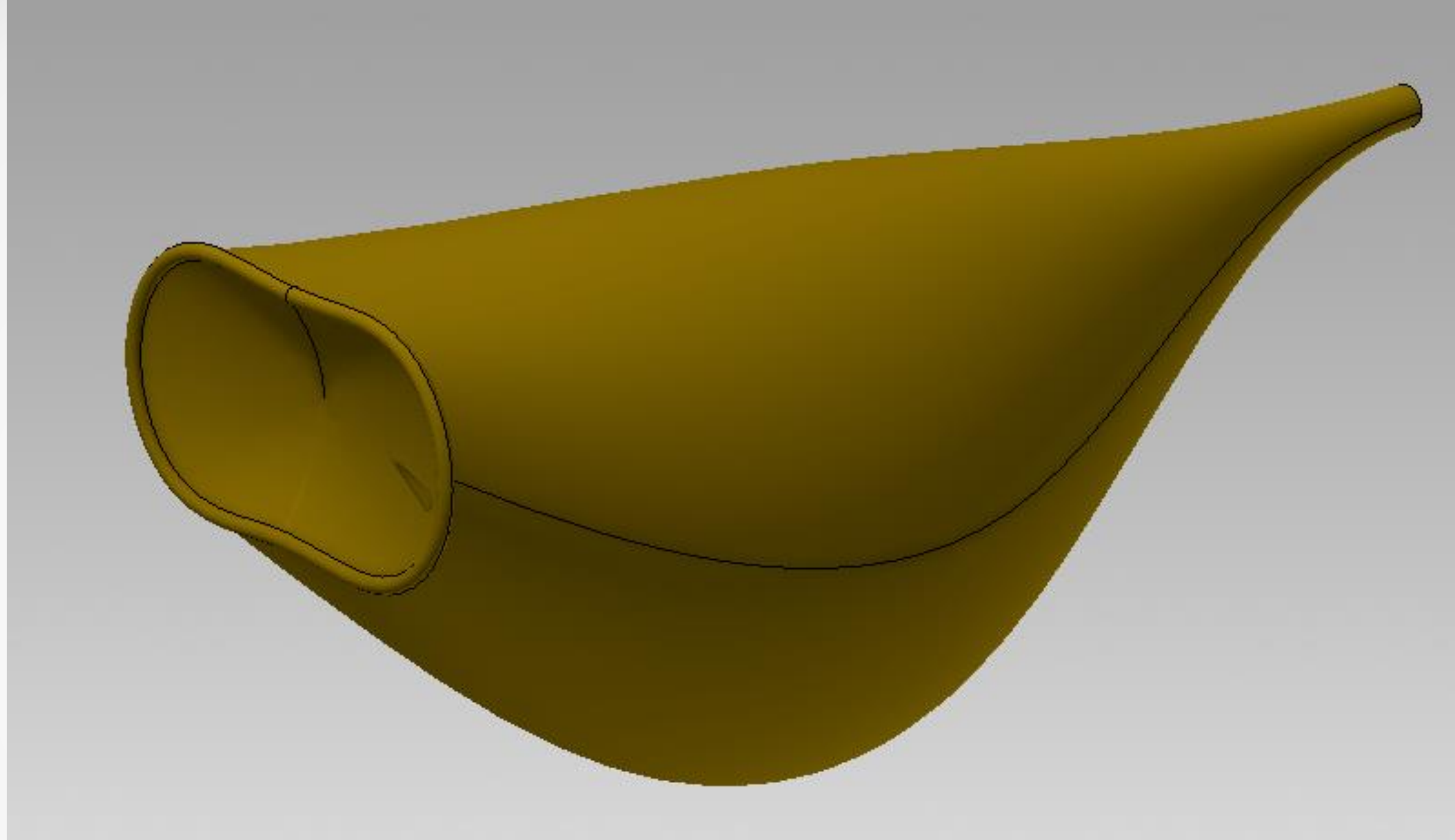
# Basic Loft

- Loft
  - Conditions
- Loft to a point



# Basic Loft

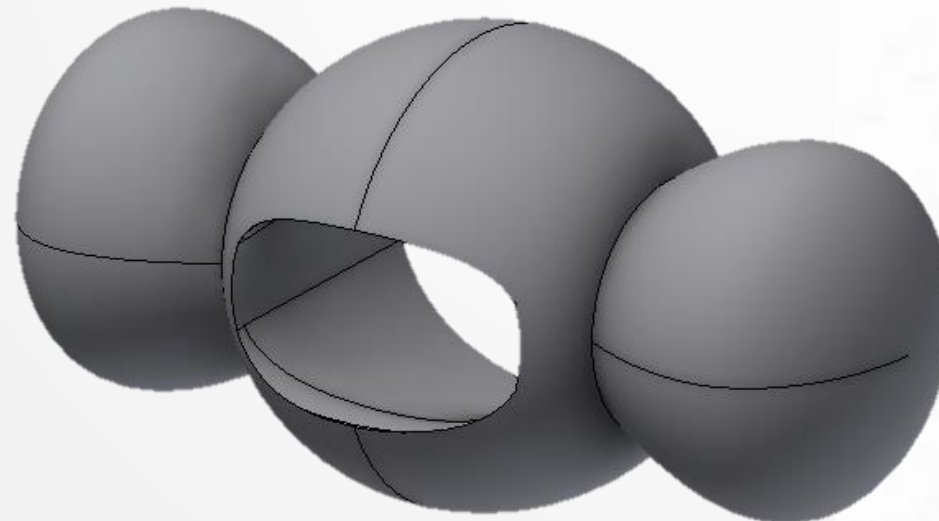
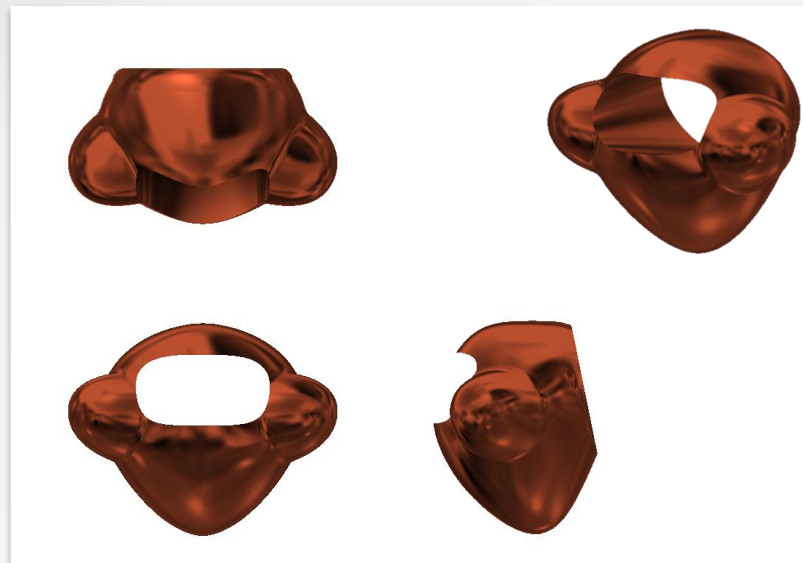
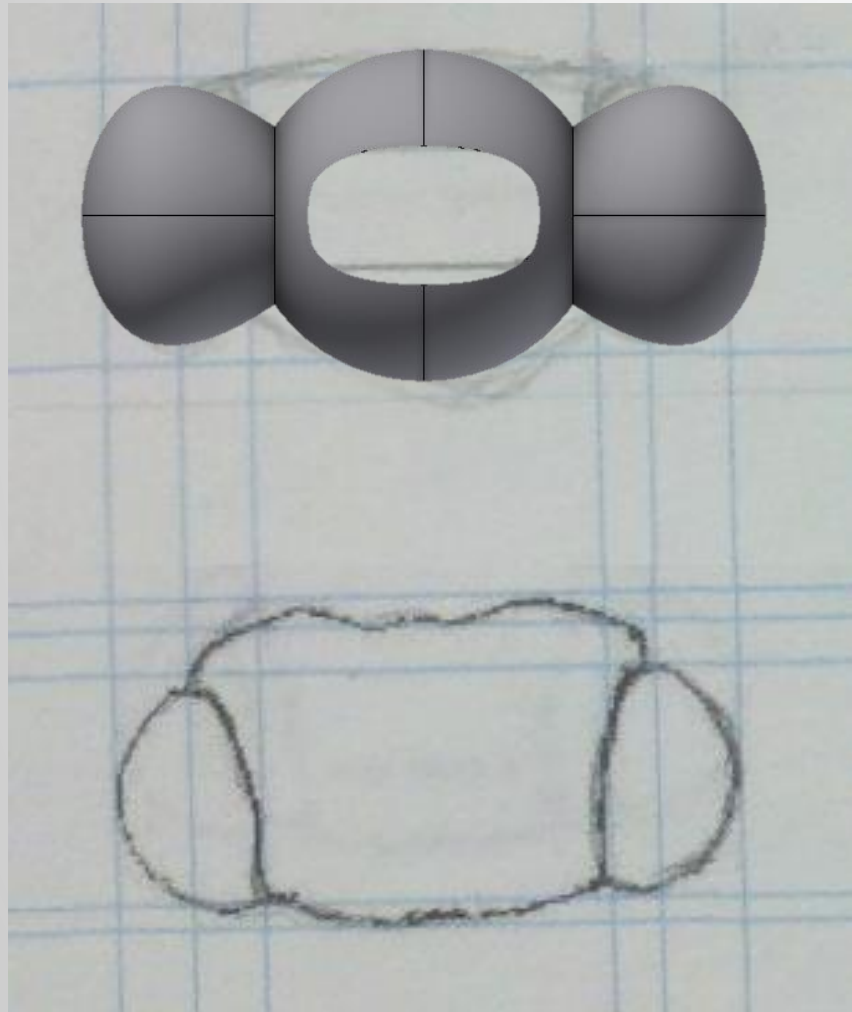
- Loft
  - Conditions
- Loft to a point
  - Point Conditions





# Basic Loft

- Loft
  - Conditions
- Loft to a point
  - Point Conditions



Proto Number 1



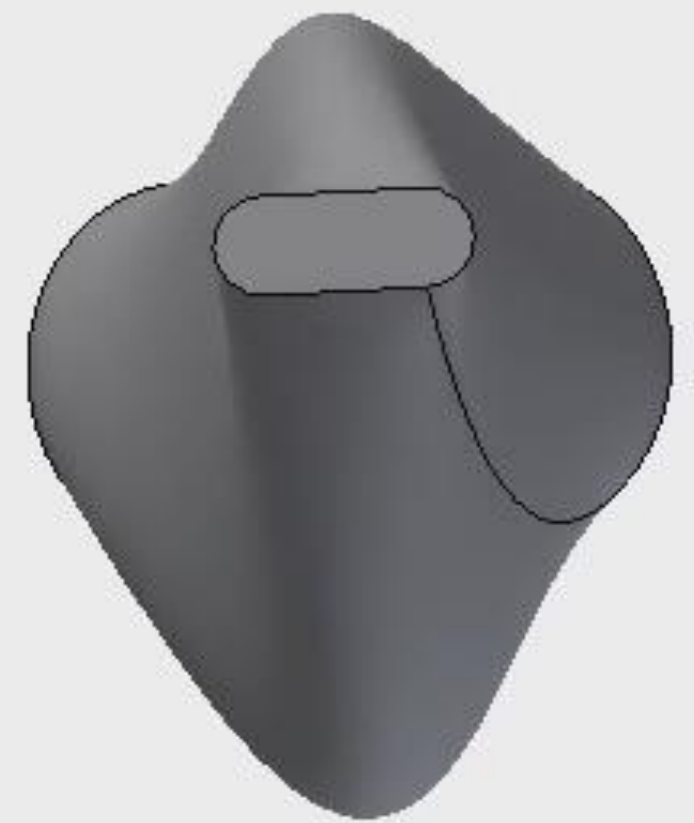
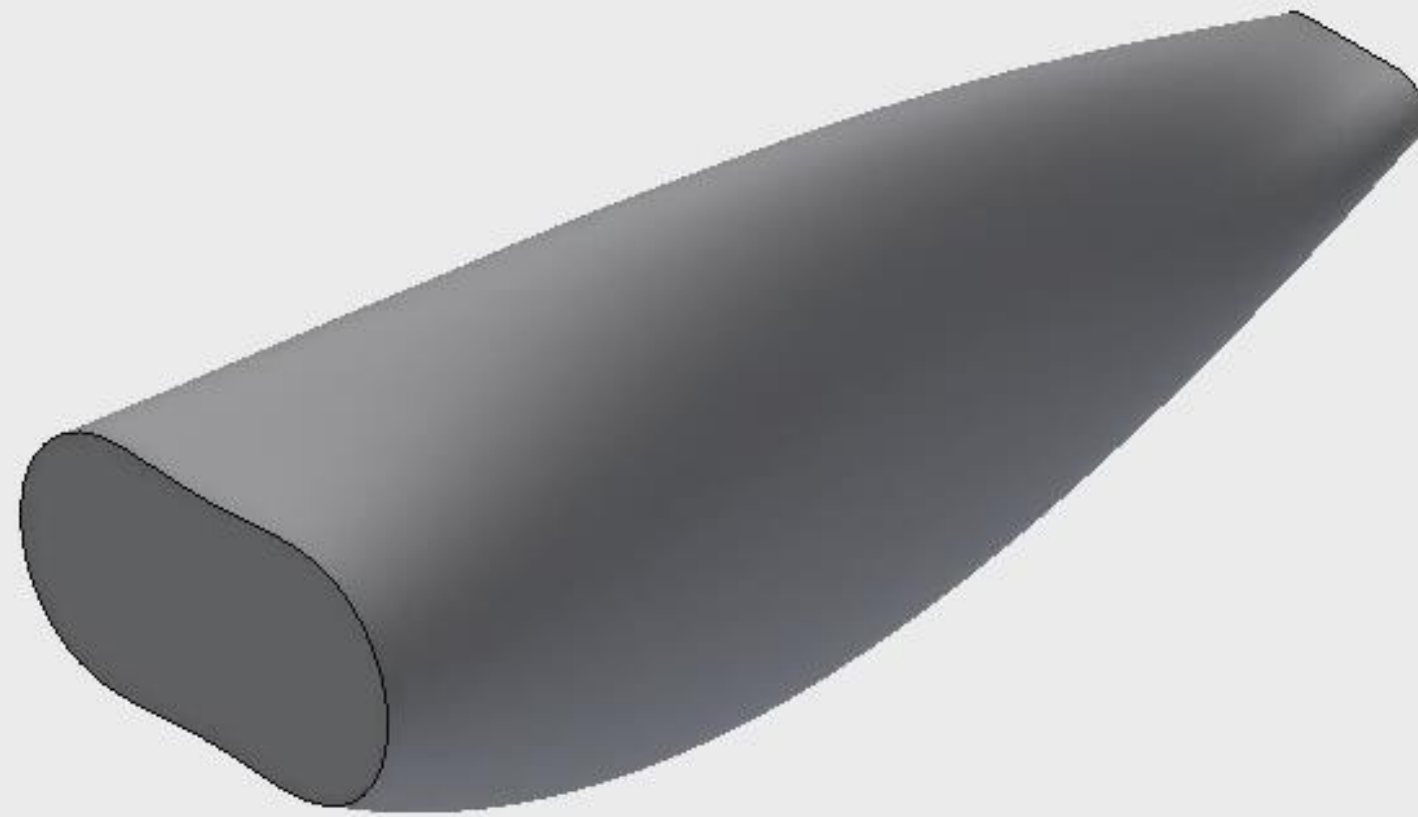






# Basic Loft

- Loft
  - Conditions
- Loft to a point
  - Conditions
- Transitions



# Basic Loft

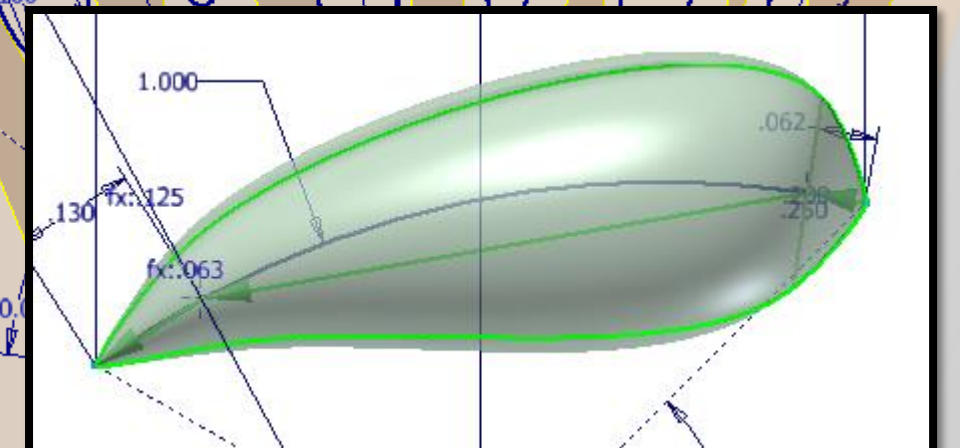
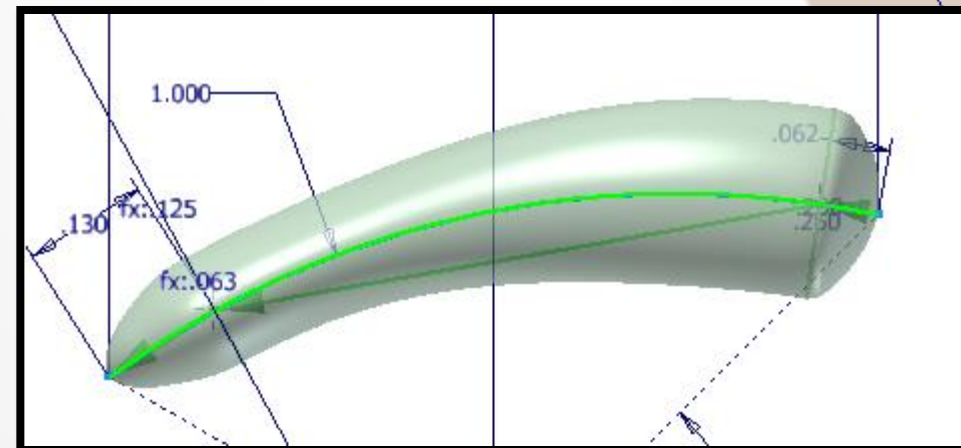
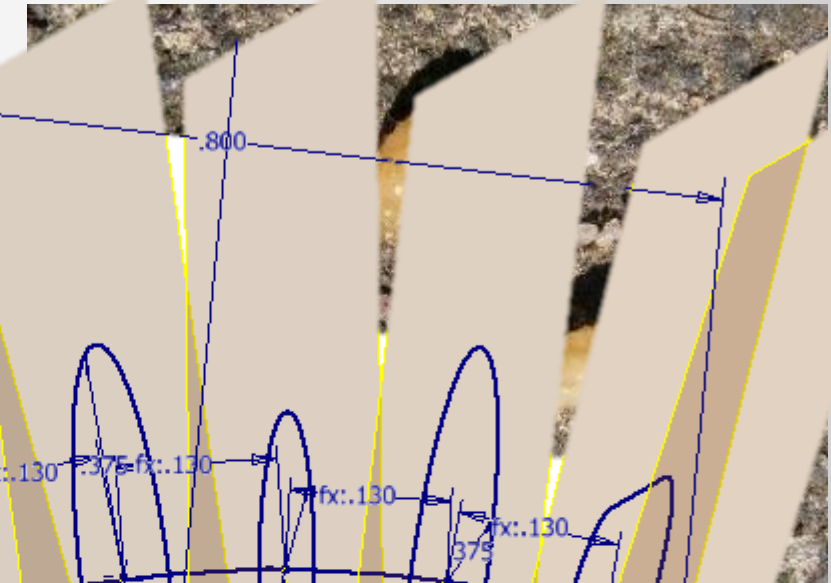
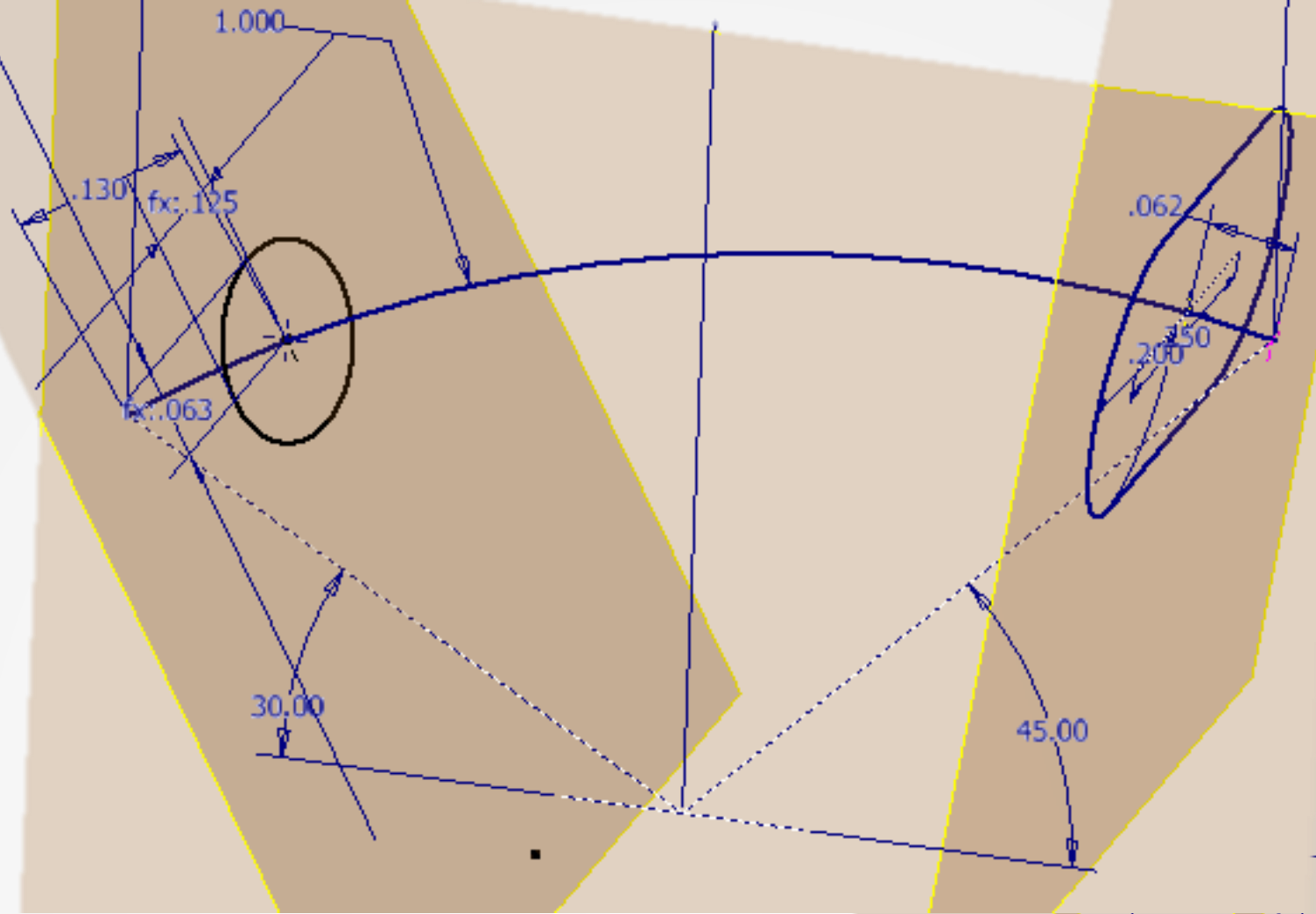
- Loft
  - Conditions
- Loft to a point
  - Conditions
- Transitions
- Rails





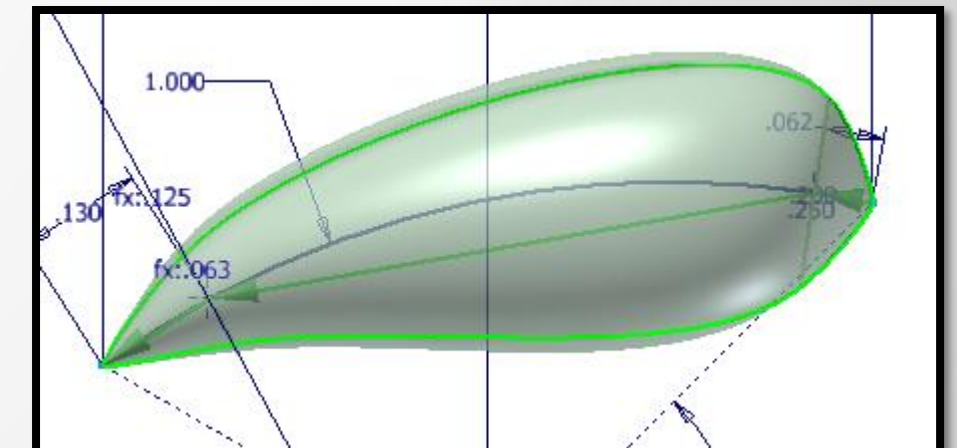
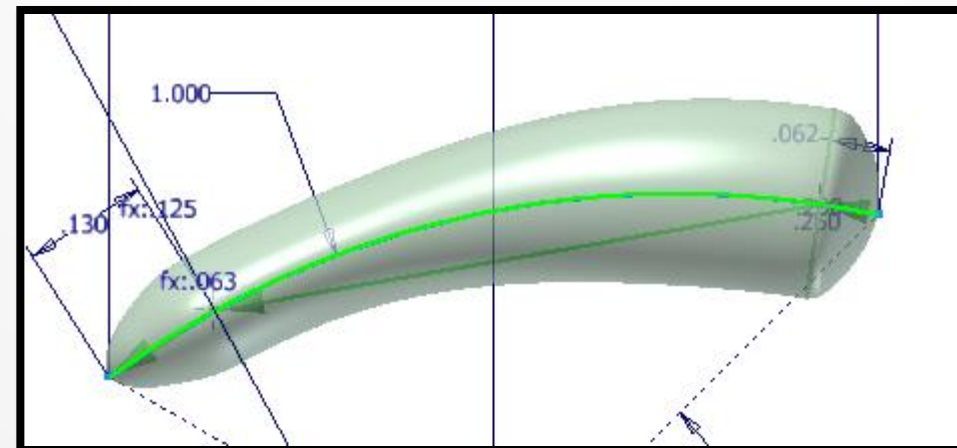
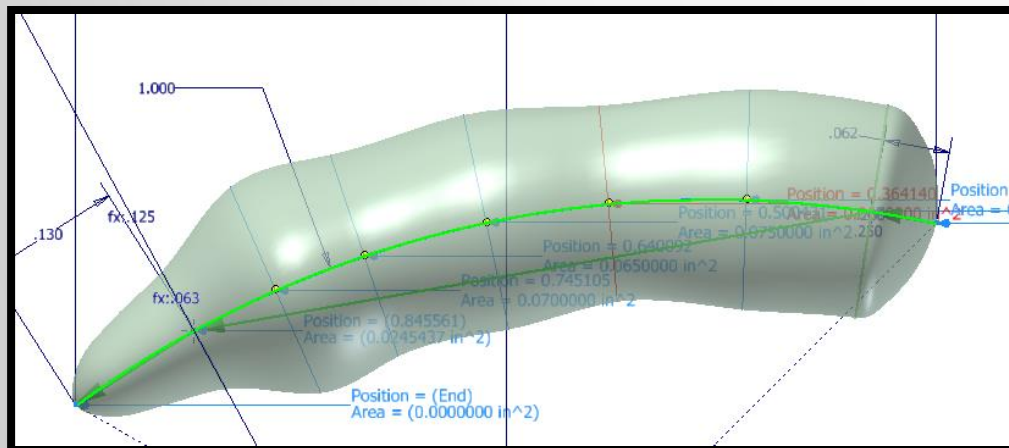
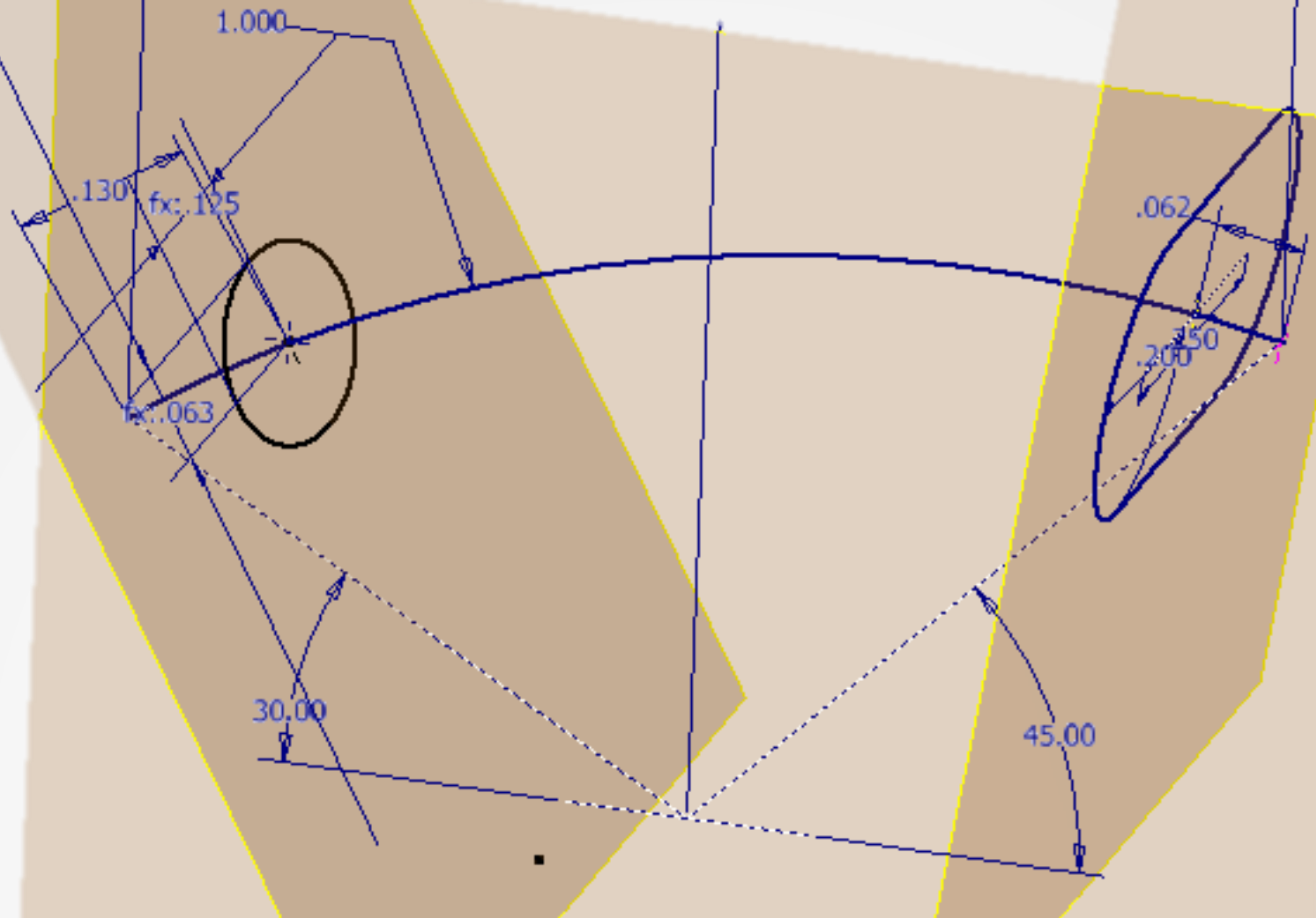
# Basic Loft

- Loft
  - Conditions
- Loft to a point
  - Conditions
- Transitions
- Rails
- Centerline



# Basic Loft

- Loft
  - Conditions
- Loft to a point
  - Conditions
- Transitions
- Rails
- Centerline
- Area



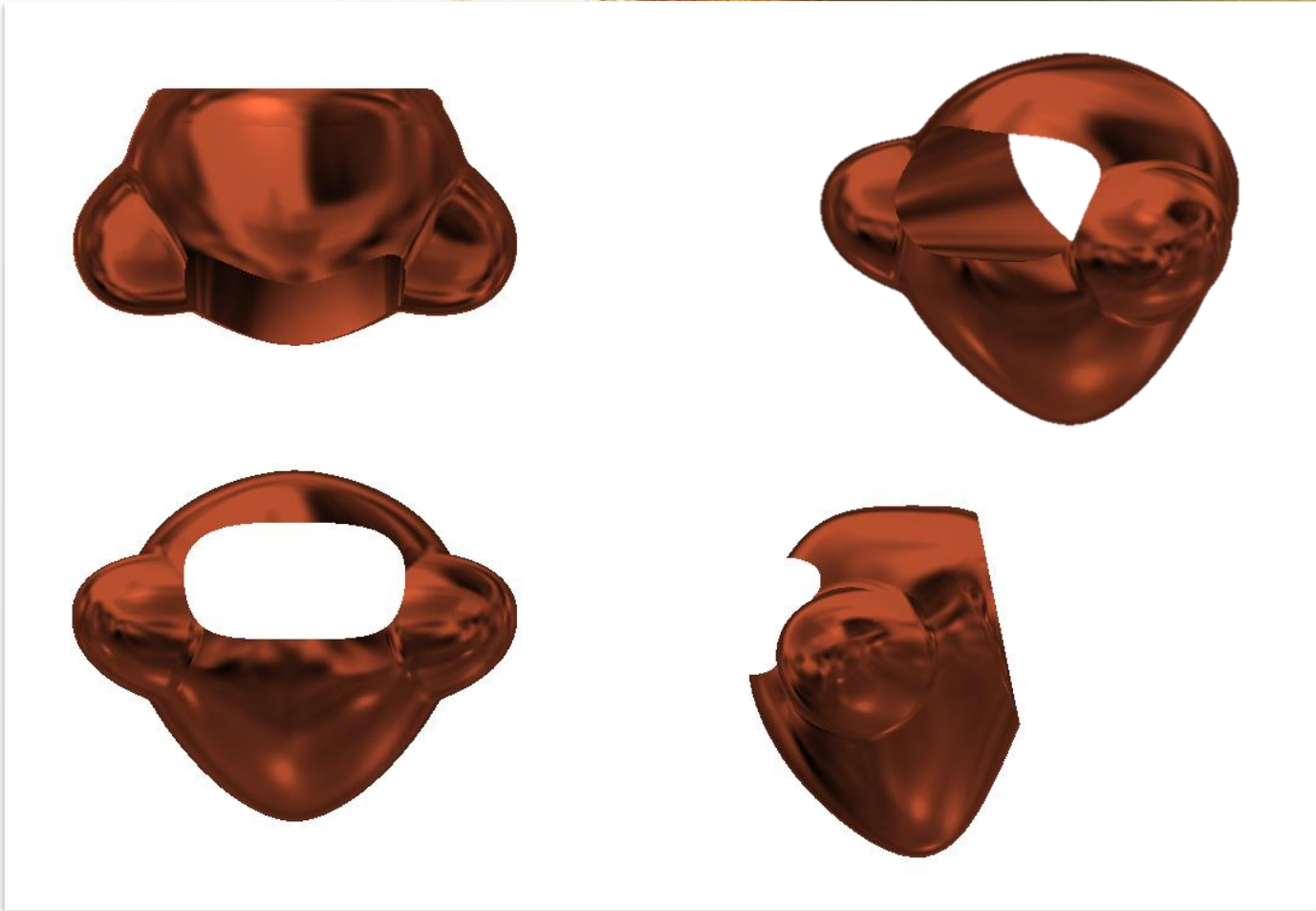


Use surfaces to get your desired results instead of fighting with feature failure

Use surfaces to get your desired results  
instead of fighting with feature failure



Photo courtesy of the Meades Family <http://www.meades.org/>

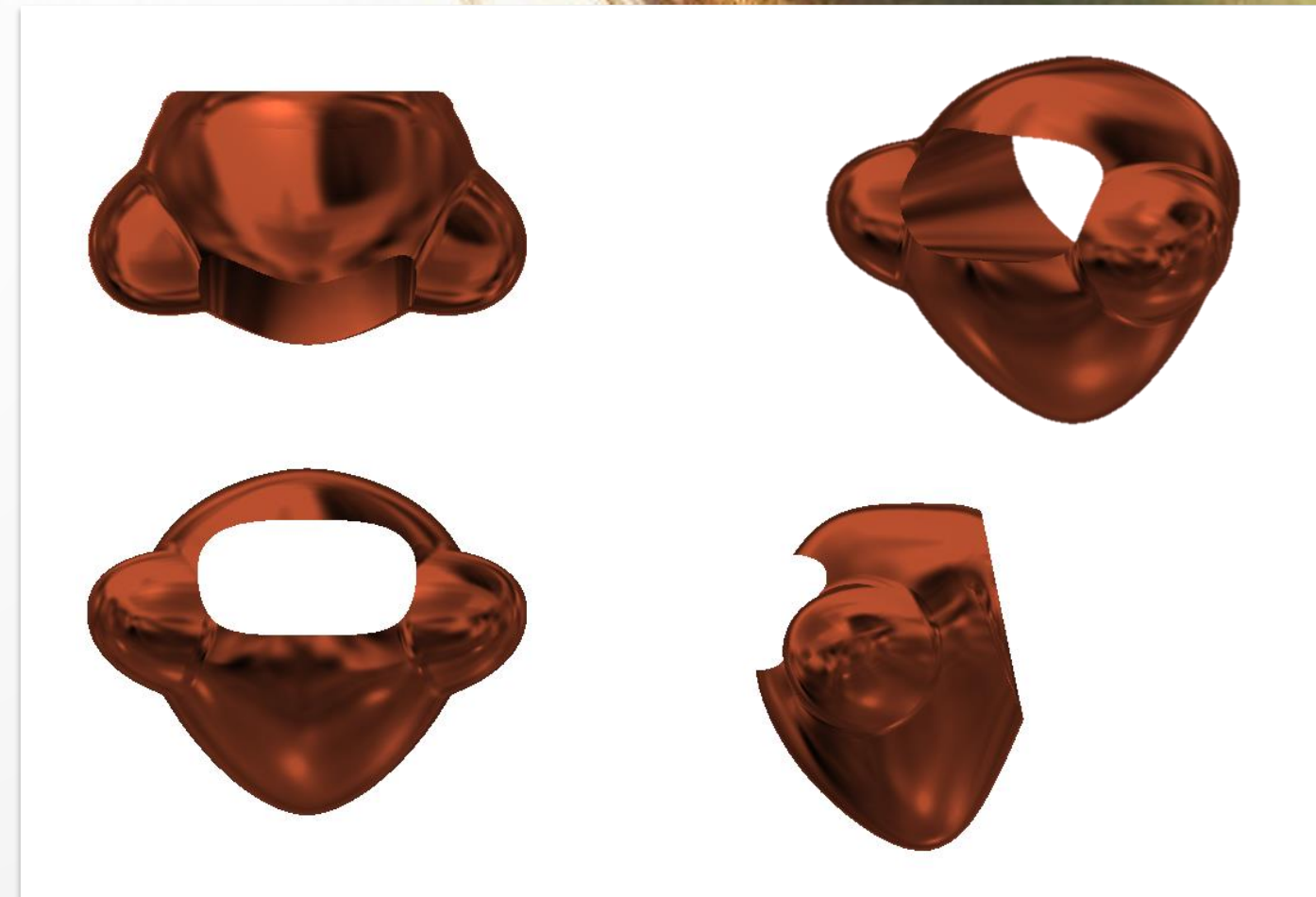




Use surfaces to get your desired results  
instead of fighting with feature failure



Photo used with permission from  
<http://oregonflyfishingblog.com/>  
Taken by Lou Verdugo





Bring your ideas to life by modeling from hand-drawn sketches and model surfaces from hand-drawn sketches



Photo from Wikimedia Commons  
Photo Credit to Richard Bartz aka Makro Freak  
<http://en.wikipedia.org/wiki/Mayfly>



Bring your ideas to life by modeling from hand-drawn sketches and model surfaces from hand-drawn sketches

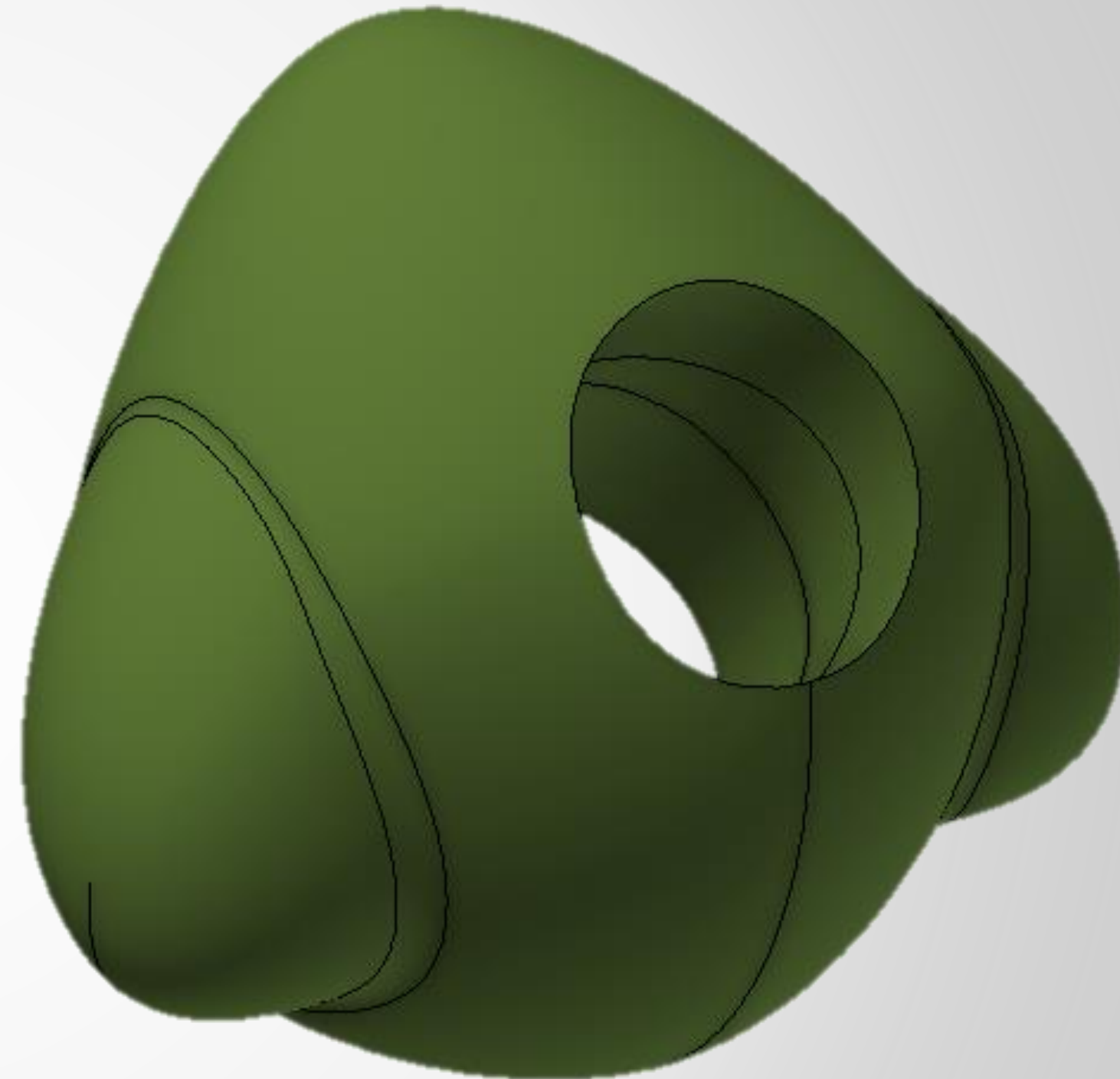
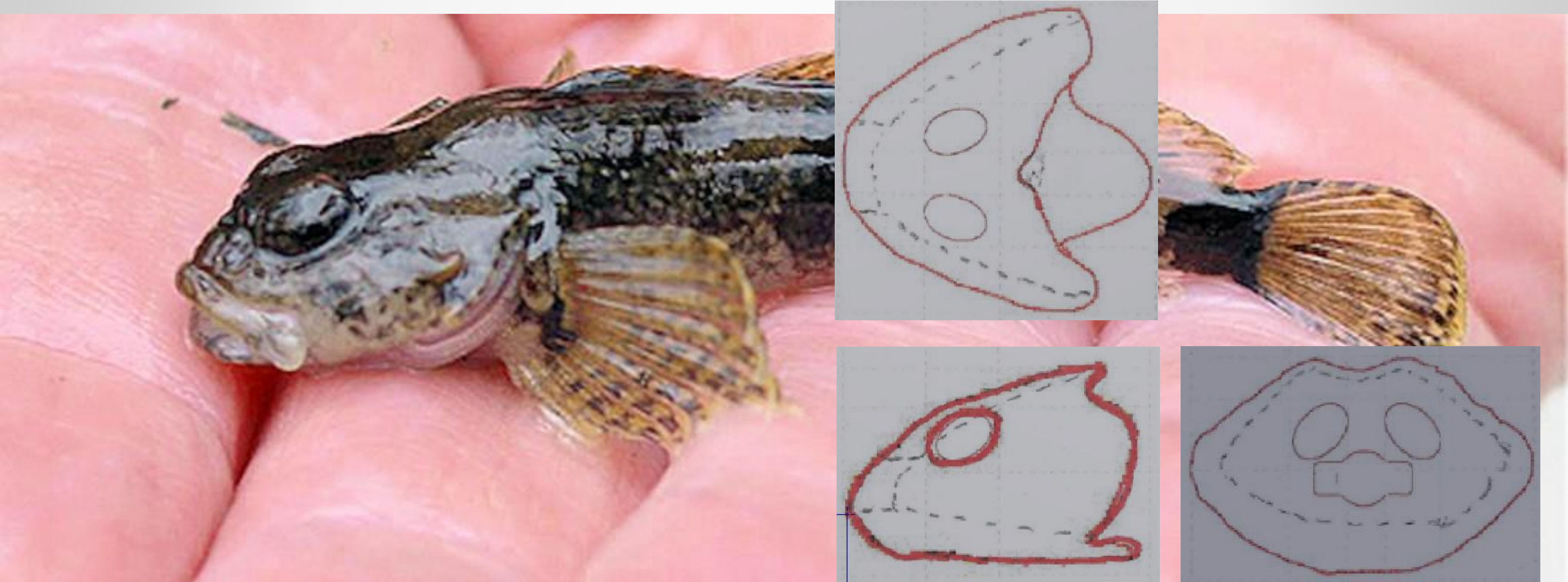


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Bring your ideas to life by modeling from hand-drawn sketches and model surfaces from hand-drawn sketches





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Skulpin Bunny



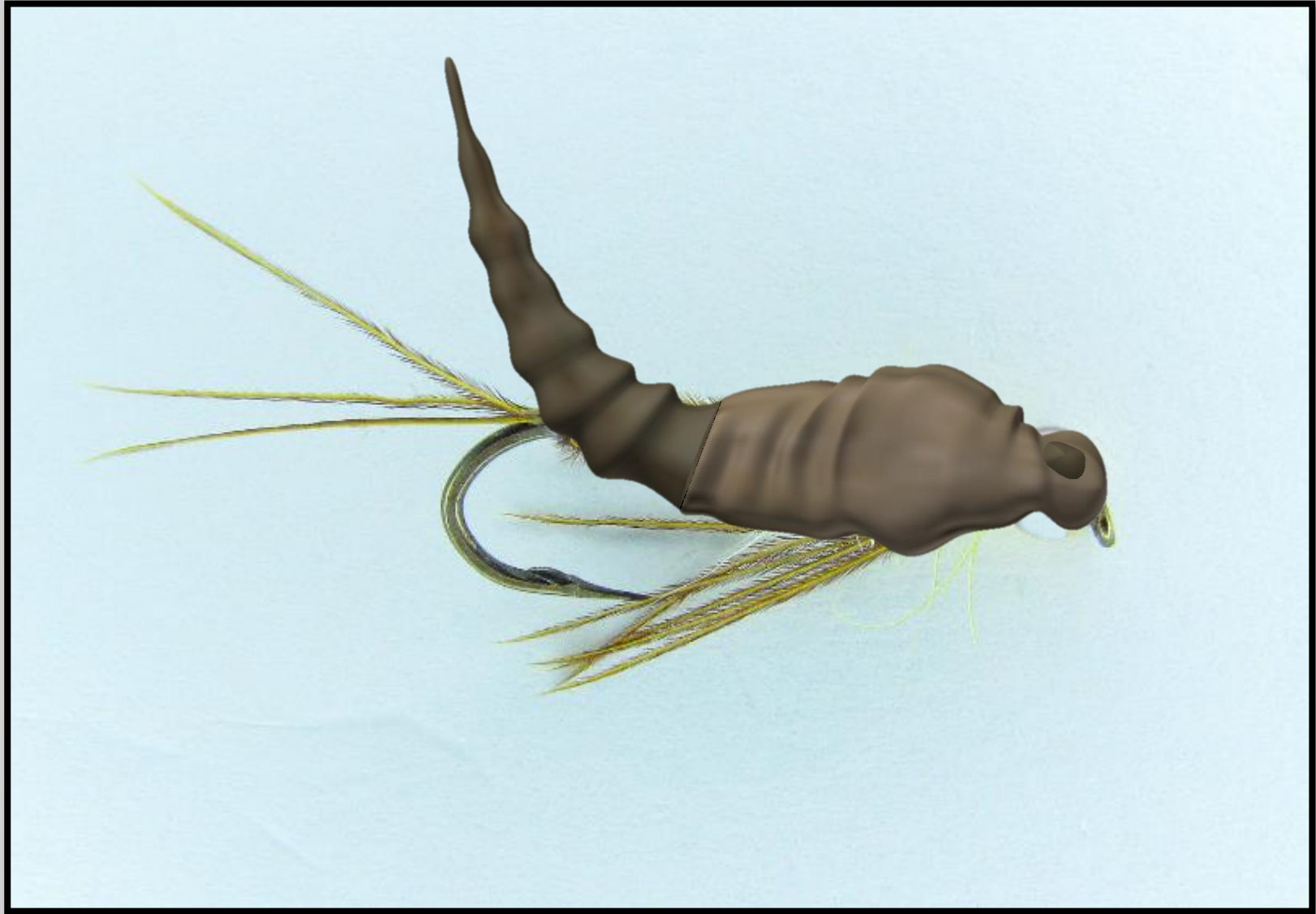


# Confidently create organic shapes

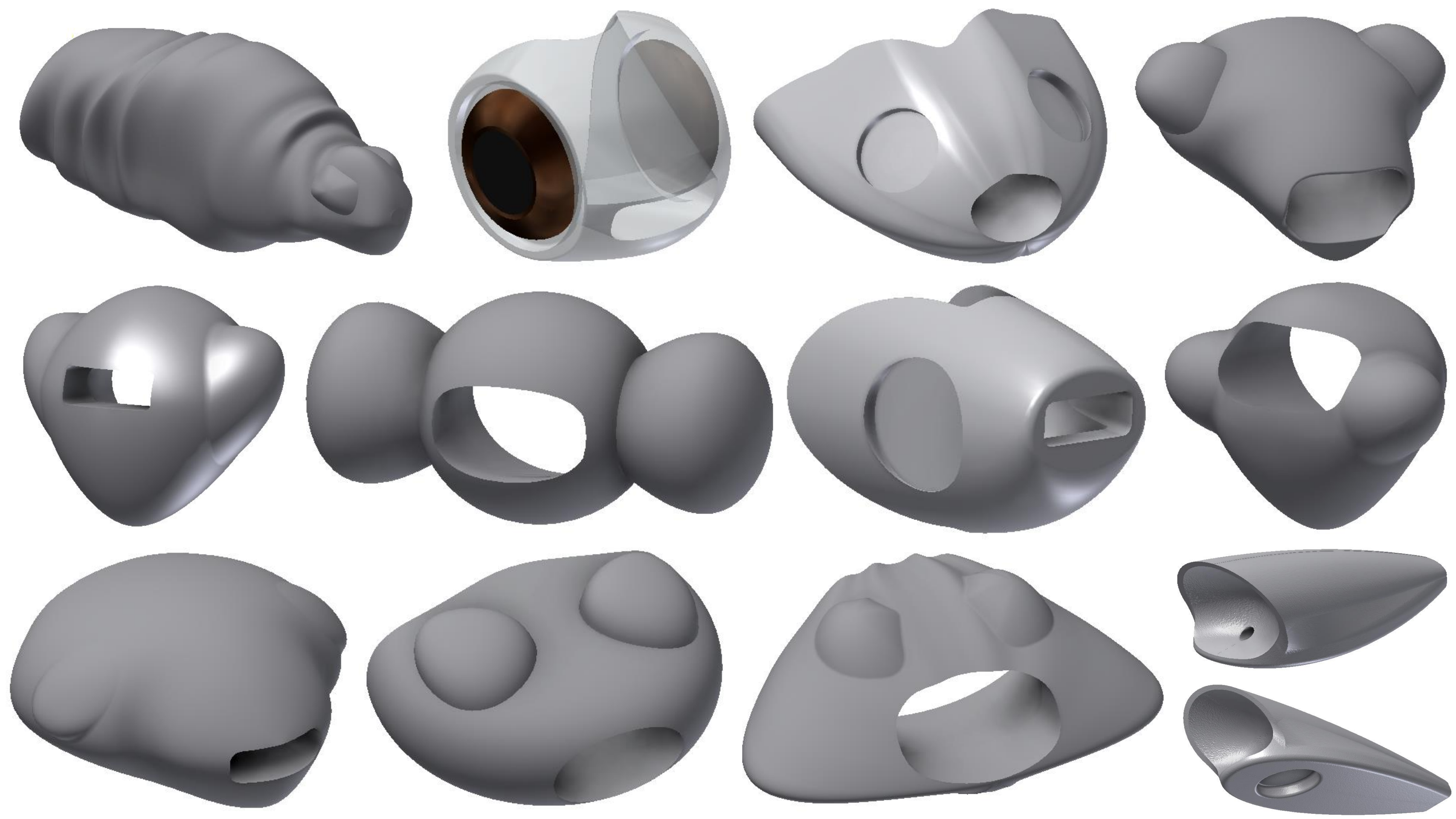




# Confidently create organic shapes











Skulpin Bunny

