

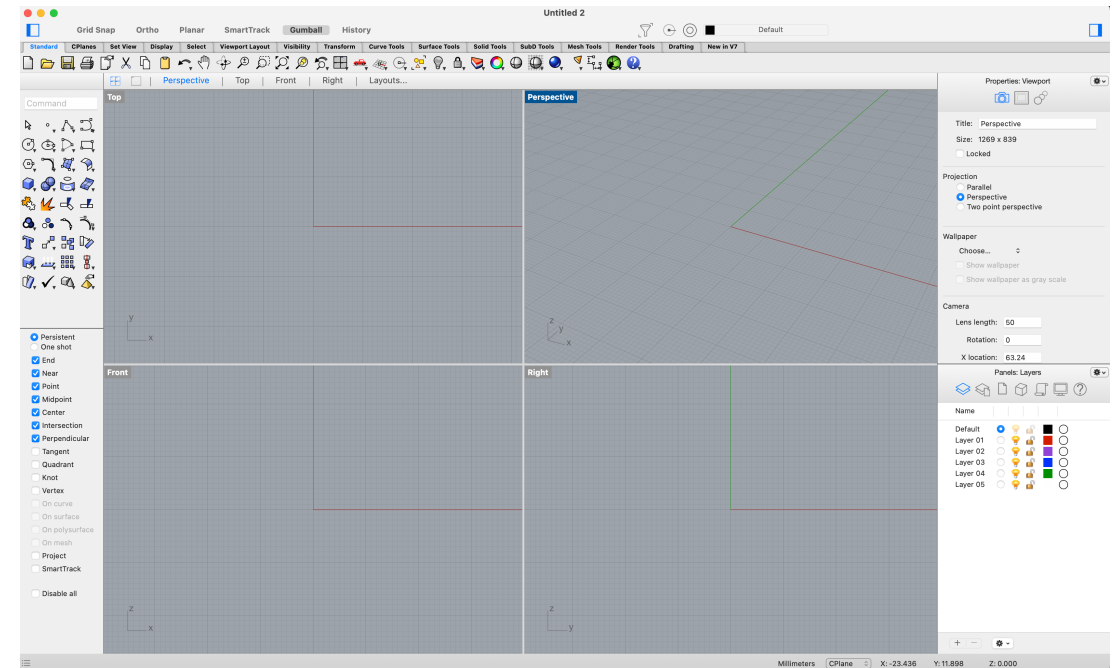
# Modeling in Rhino

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CS 491/CS591 Computational Fabrication  
UNM, Fall 2024

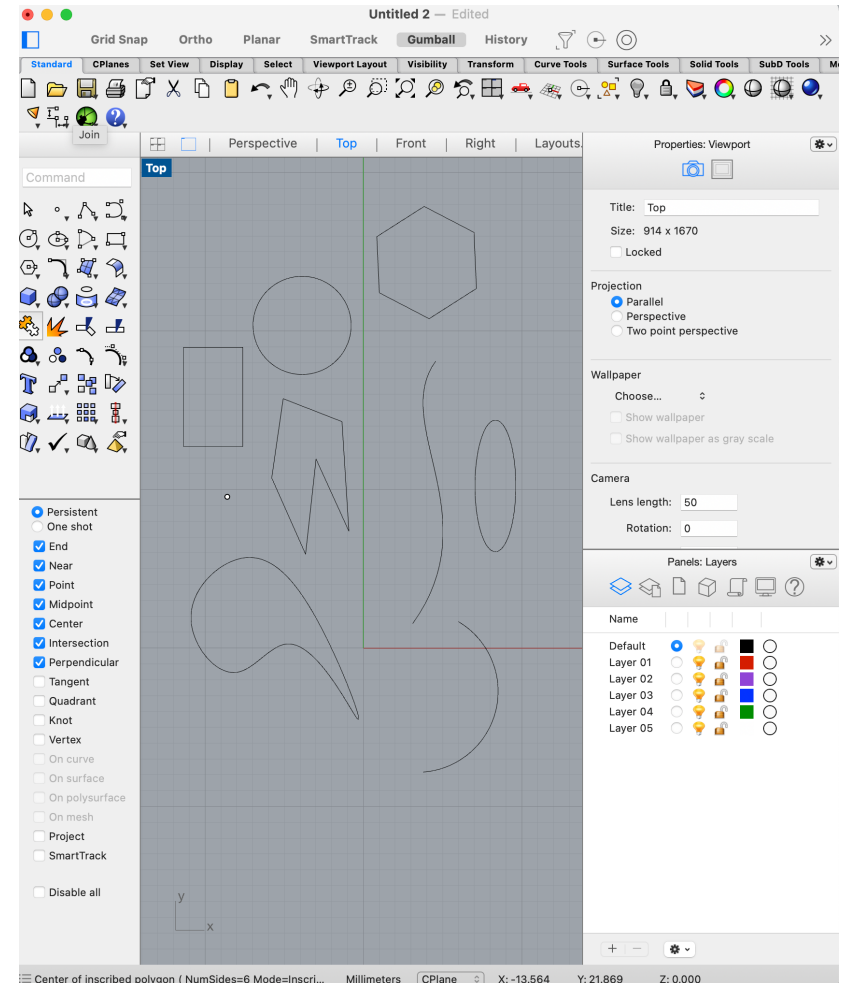
# Layout and Navigating Rhino

- Viewports
- Layers and Properties panels
- Dropdown menus, icons, command bar
- Panning, Zooming, Rotating
- Using the cars to reset the view
- Snaps, grid snap, gumball
- Displays



# Curves

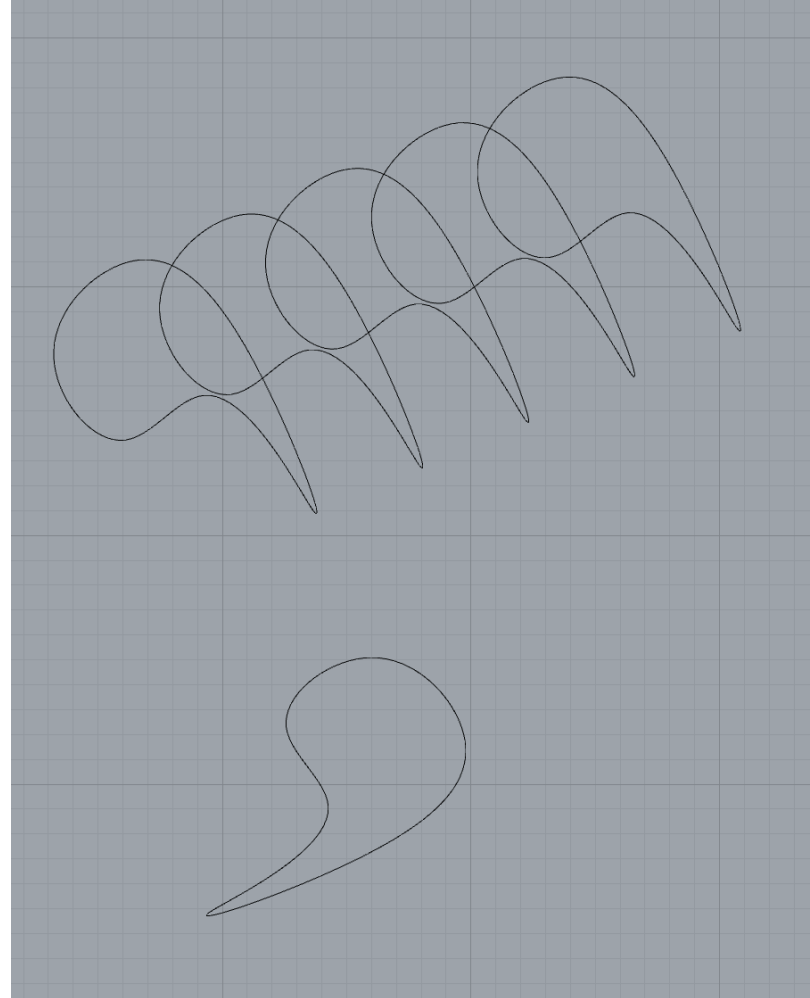
- Point
- Line and Polyline
- Curve, InterpCrv, HandleCrv
- Circle and Ellipse
- Arc
- Rectangle
- Polygon
- TextObject
- Text
- Tracing a picture (Picture)
- Open vs Closed Curves



Questions?

# Transformations

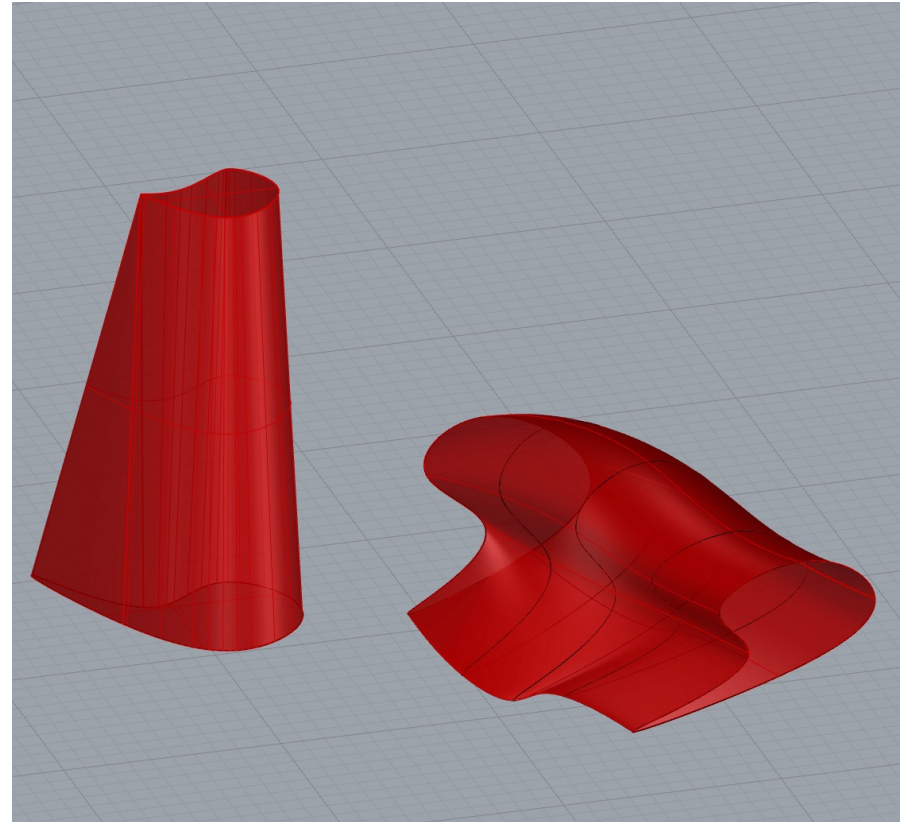
- Move
- Copy
- Rotate
- Scale, Scale1D, Scale2D
- Mirror
- Array
- Split
- Join
- Explode
- Group
- FilletCorners



Questions?

# Surfaces

- Drawing 3D Curves
- PlanarSrf
- EdgeSrf
- ExtrudeCrv
- Loft (open and closed curves)
- Revolve
- ExtrudeCrvAlongCrv
- Sweep1
- Sweep2
- RailRevolve
- Solid vs Open Surfaces

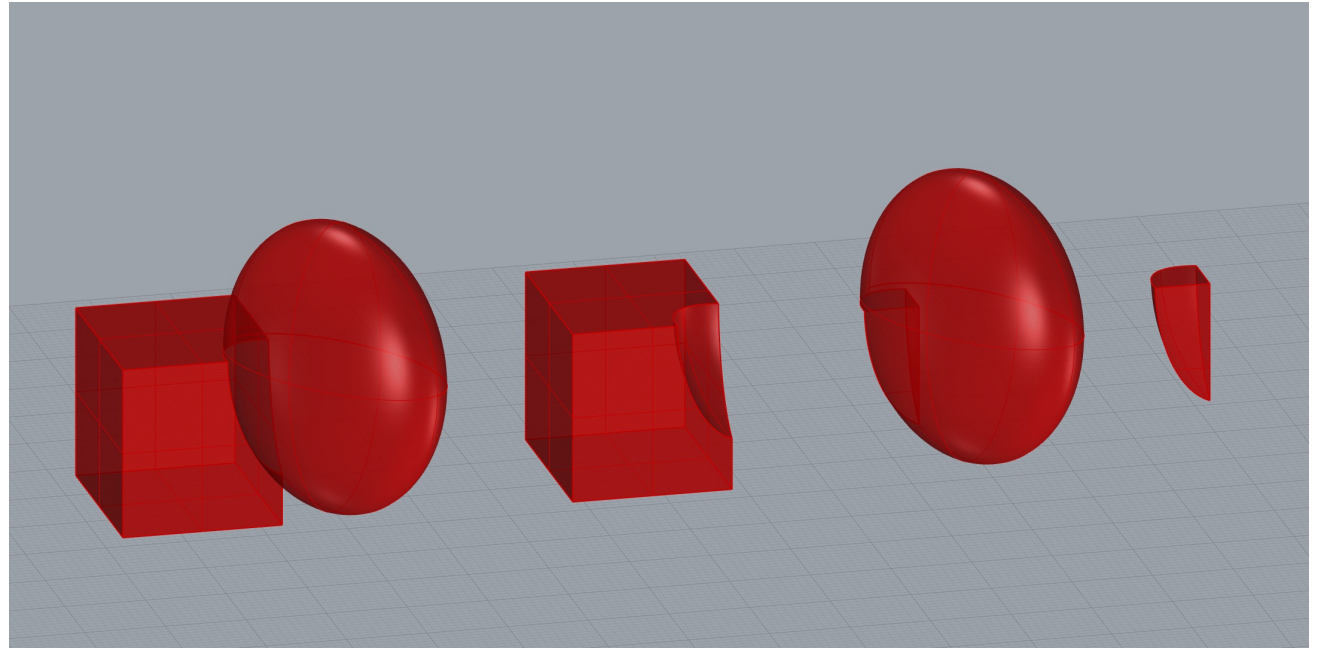


Questions?



# Solids

- Box
- Cylinder
- Sphere
- Cap
- Ellipsoid, Cone, Torus
- Pipe
- MoveFace, MoveEdge
- OffsetSrf
- BooleanUnion
- BooleanDifference
- BooleanIntersection
- Using Gumball



Questions?