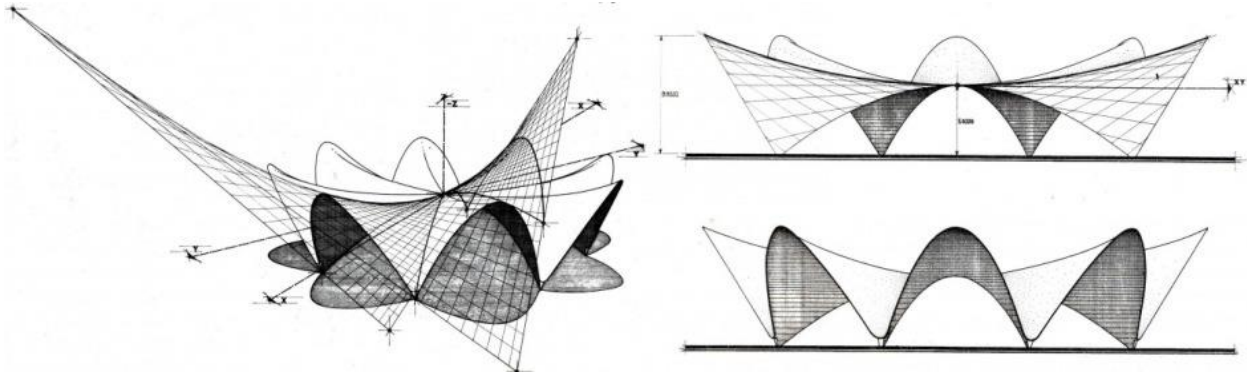


## CREATE HYPERBOLIC PALABOLAS:



**point** = create a new point (x-coordinate, y coordinate, z-coordinate)

**circle a** = create circle around that point (point, radius)

Divide circle into desired amount of polygon sides

**points** = get points of vertices

**polyline** = create a closed polyline (points)

**P**: list to store guide points

**for each** segment **S** in polyline

**midpoints** = Get the midpoint of each of the polyline segments

Save **midpoints** to **P**

Move middle points upward in Z Axis (points, translation[x-coordinate, y coordinate, z-coordinate])

Get start and end points from **S**

Save start and end points to **P**

**moved\_point** = move **point** upward in the Z Axis (point, translation[x-coordinate, y coordinate, z-coordinate])

**curve** = Create a continuous curve (list of points, degree)

**circle b** = Create a circle with a diameter no bigger than 0.01 from **moved\_point** (point, radius)

Loft the continuous curve and circle b

Delete all the previous points to clear up the model