COL781 Assignment 2
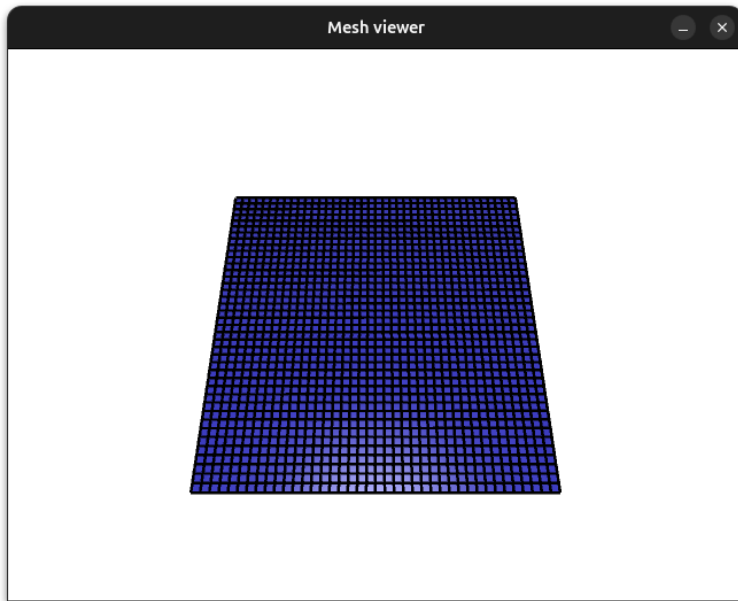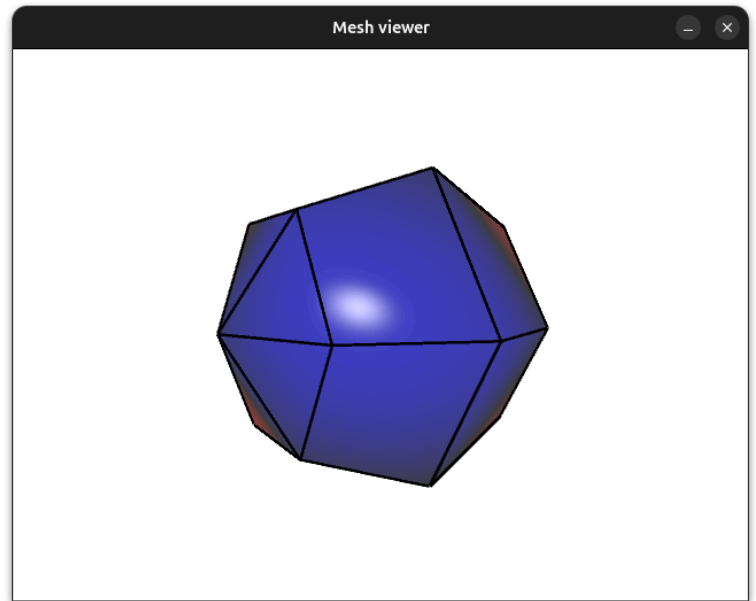
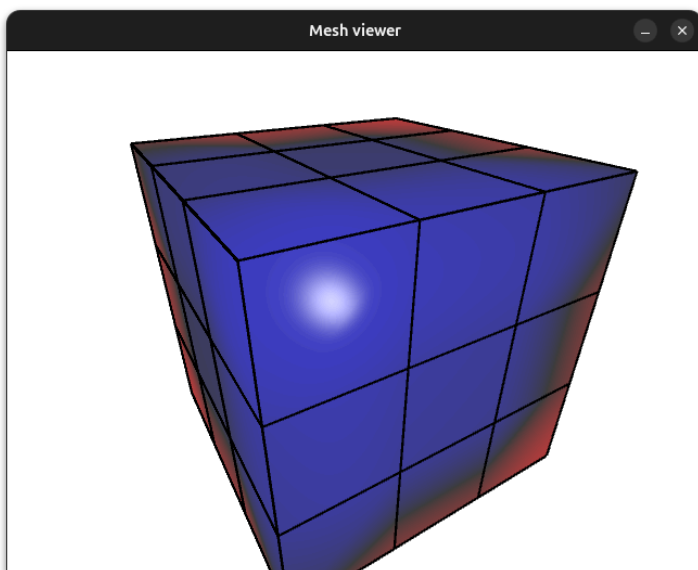Aditya Upadhyay (2021ME10275) & Dhruv Ahlawat 2021CS10556)

Grid (40x40)
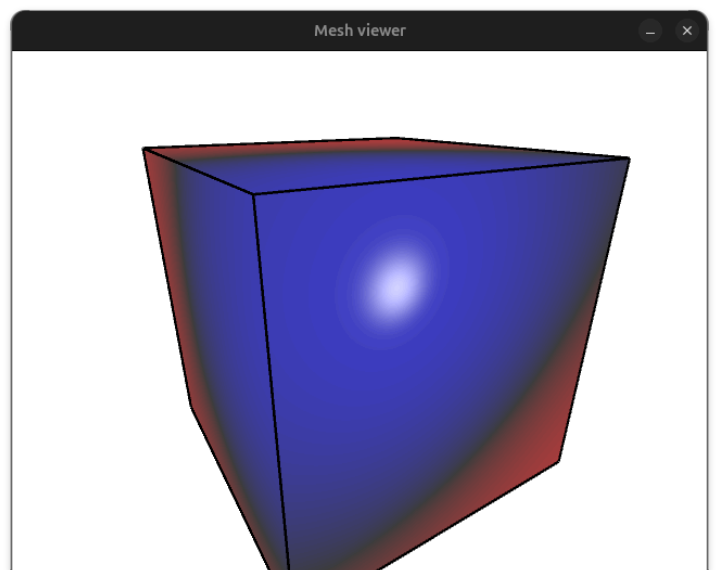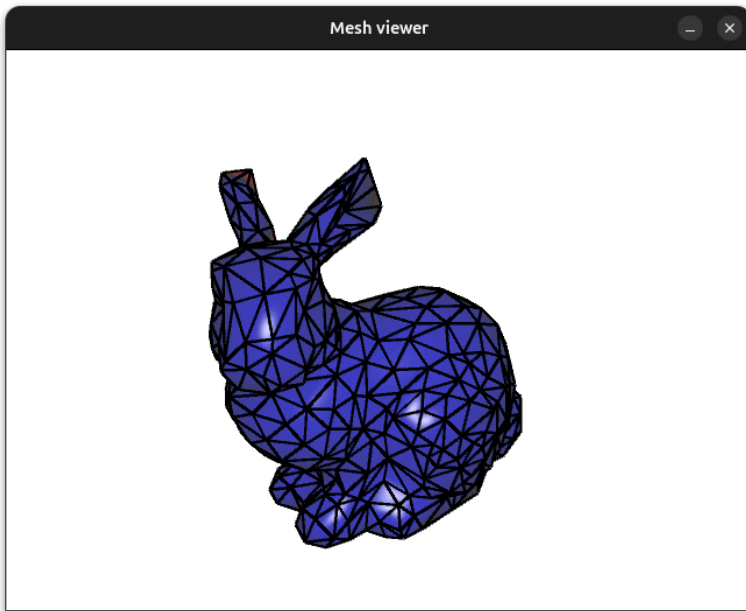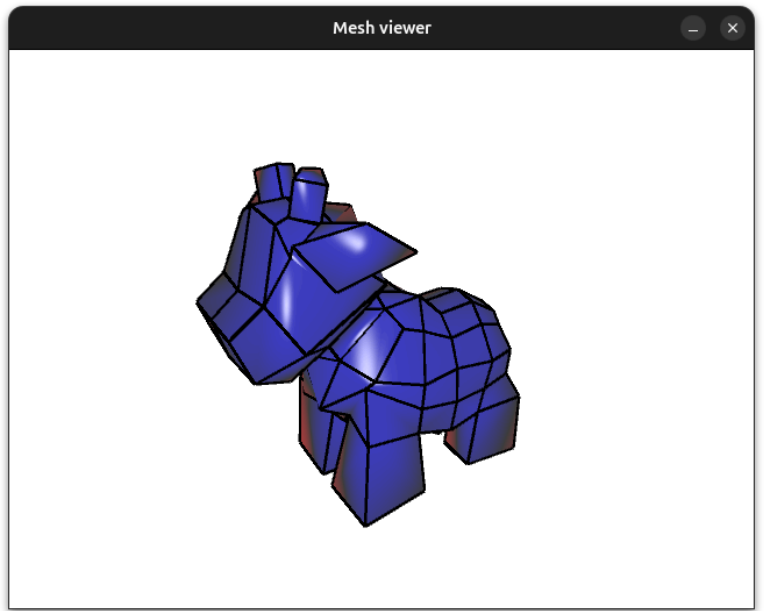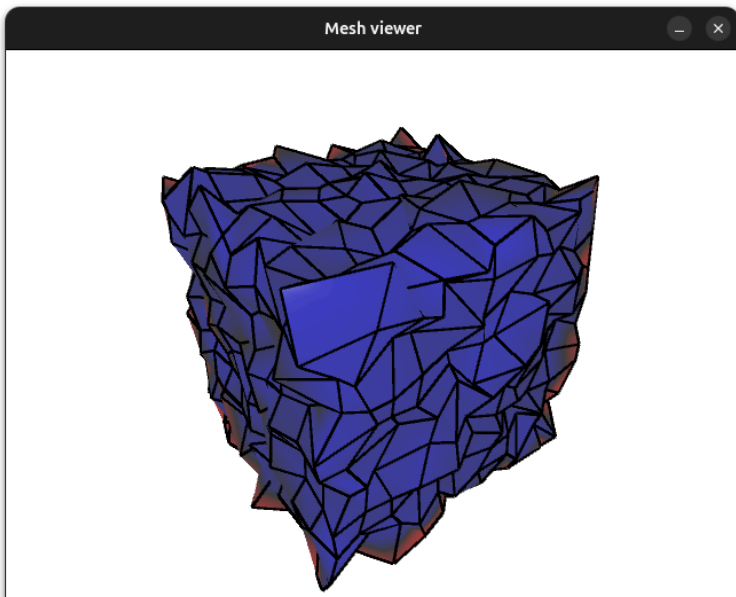
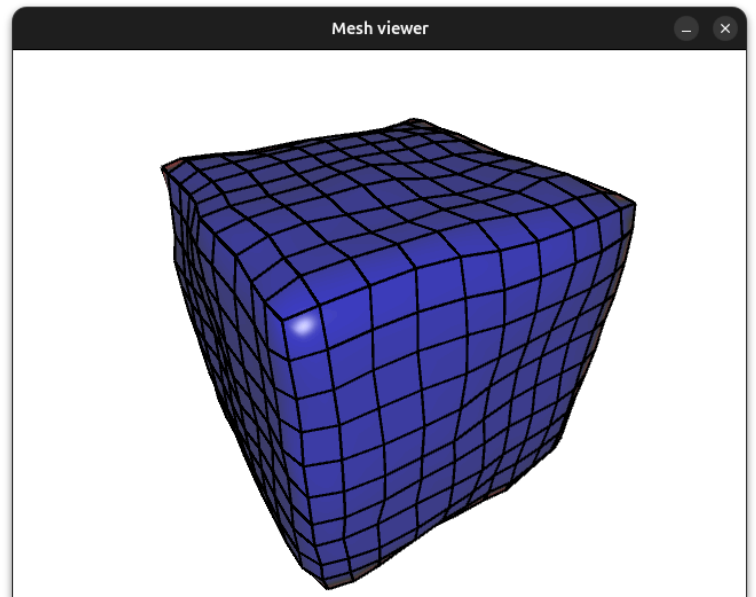Sphere (m=6, n=4)

Cube (3x3x3)

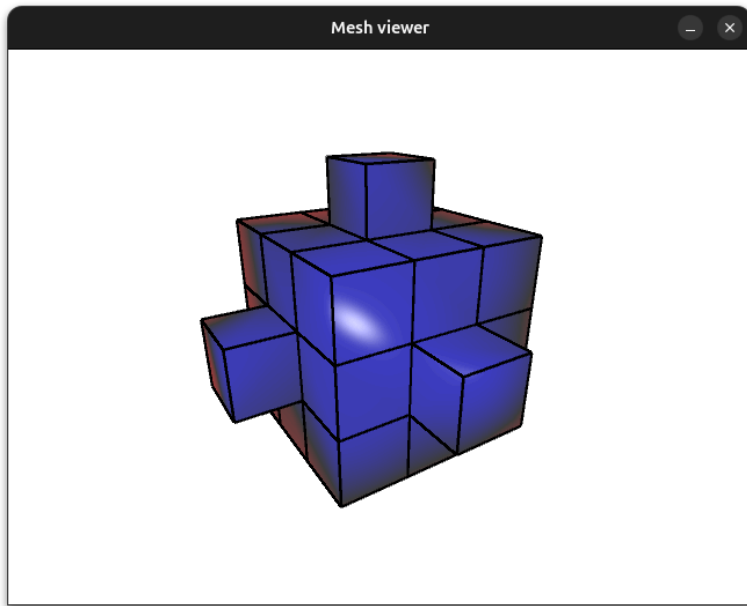Mesh (cube.obj)

Mesh(bunny_1k.obj)
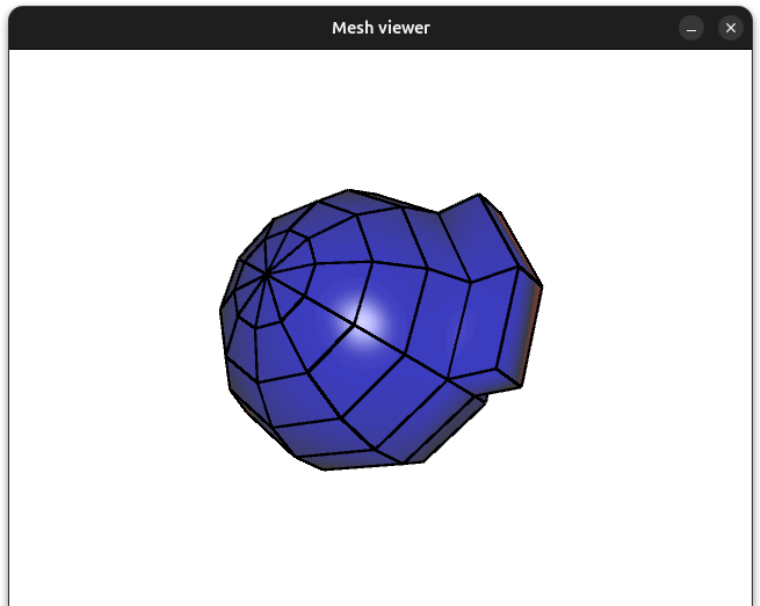

Mesh(spot_control_mesh.obj)

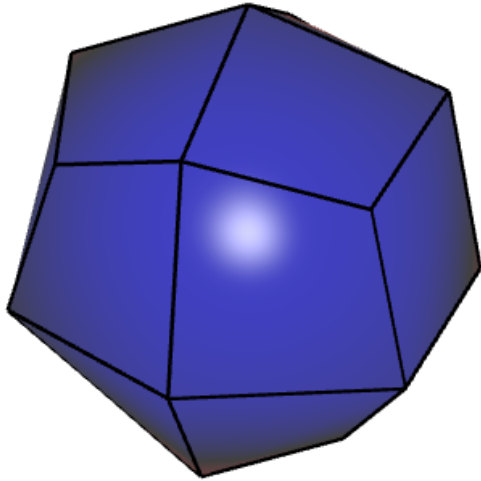## Noisy Cube

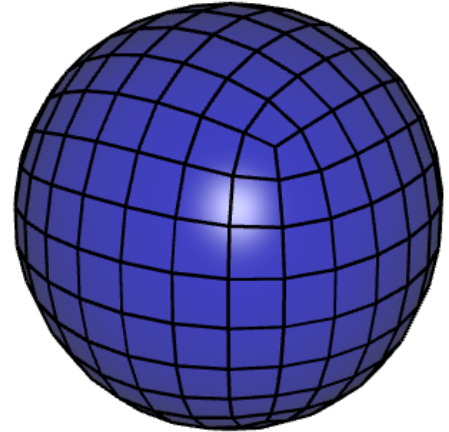## After smoothing (λ =0.5, iter=3)

Extruded cube

Extruded sphere (multiface)
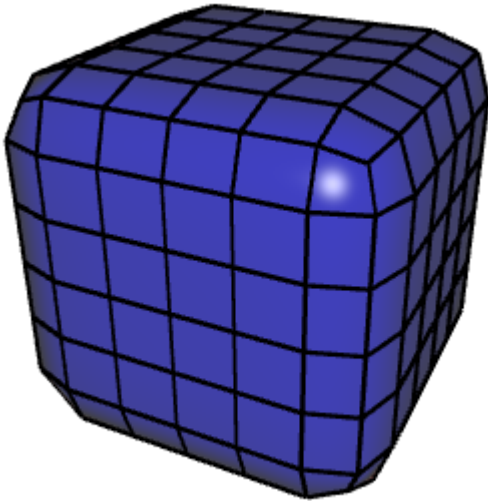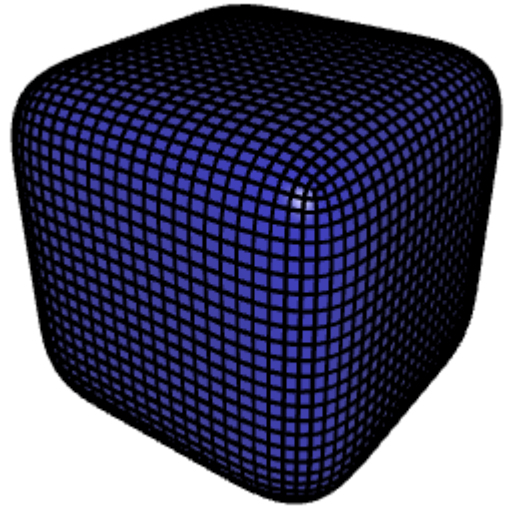

1x1x1 Cube

Catmull-Clark (1 iter)

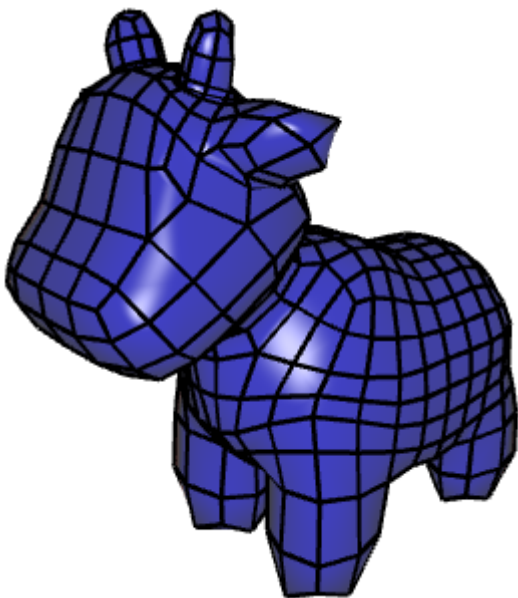Catmull-Clark(3 iter)

3x3x3 Cube

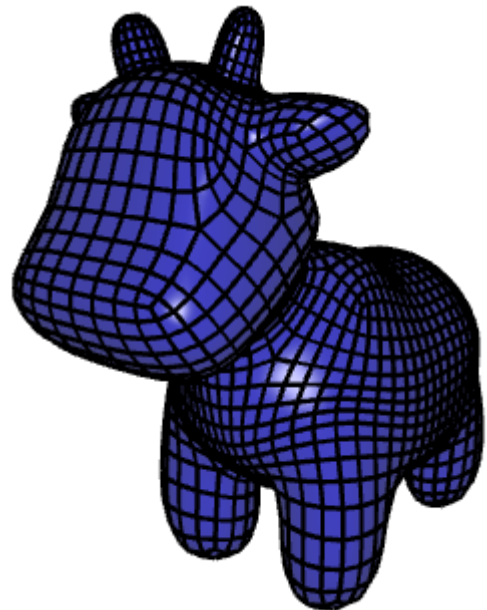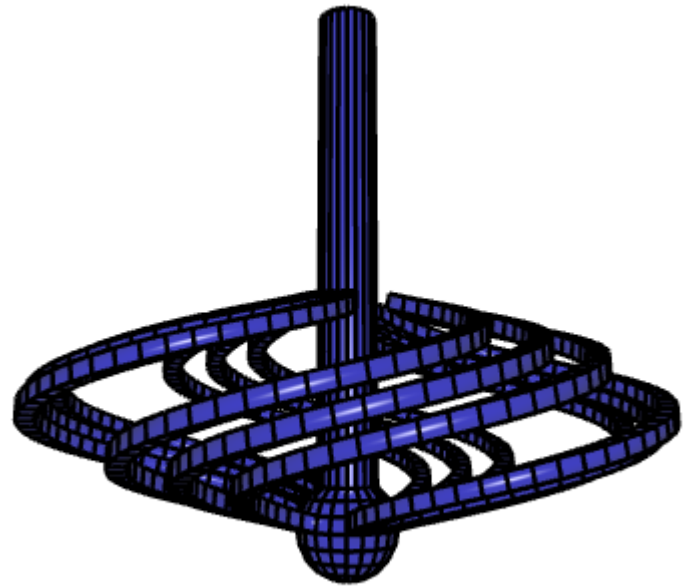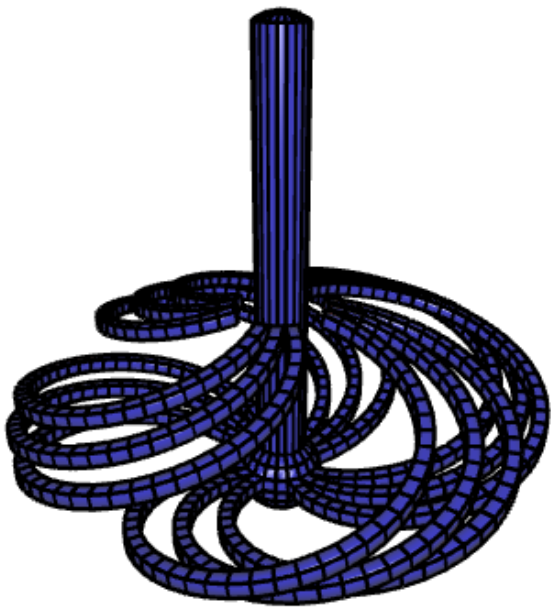## Catmull-Clark (1 iter)

Catmull-Clark (2 iter)

spot_control_mesh.obj

Catmull-Clark (1 iter)

Catmull-Clark (2 iter)

Creative Part: made a top or beyblade

Operations: Extrusion to create the top handle, revolution (iterative extrusion + rotation) to create the spiral sides.