Shaun Ryan

Professor Rodriguez

CS-330: Computational Graphics and Visualization

05/15/2022

2-5 Milestone: Project Proposal

The 2D image I chose to recreate as a 3D scene is a breakfast place-setting. The scene contains five items, all of which will be recreated. These include a plate, bagel, apple, coffee cup, and the table itself. These will be good choices since they can be fairly accurately recreated using only primitive shapes. There is visual clarity between the different objects due to color, shape and position.

The coffee cup will be represented by a vertical cylinder for the main body and a torus for the handle. The torus will intersect with the cylinder so only half of it is visible outside the cup. The apple will be a sphere for the body. The stem of the apple will be created with a small, skinny, inverted pyramid. The bagel will simply be represented by a torus. The plate will be a short cube, and finally the table will be constructed with a plane. I believe that the recreation of this scene will be achievable and the final results will be recognizable to others.

Main 2D image:

A plate of food and a cup of coffee

Description automatically generated with medium confidence

Alternate viewpoints:

A cup of coffee next to a donut and a donut

Description automatically generated with medium confidenceA plate of food and a cup of coffee

Description automatically generated with medium confidenceA cup of coffee next to a donut and a cup of coffee

Description automatically generated with medium confidenceA cup of coffee next to a donut and a cup of coffee

Description automatically generated with medium confidence