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Project B: Flying Through a Abstractionism Water-tap

# User’s Guide

To look around of the 3D grid can be controlled using the keyboard with keys “W”, “S”, “A” and “D”.

To zoom in and out can be controlled using the keyboard with keys “↑” and “↓”.

The rate of the water coming out from the pipe (Spin of the 3D object) can be controlled using the keyboard with keys “I” and “K”.

The rate of the water flow (moving speed of the 3D object) can be controlled using the keyboard with keys “J” and “L”

You may drag and spin using the mouse on the webpage to rotate the sphere.

ResultChart

Description automatically generated

Figure - Initial View

This is the view when the user first loads the webpage. The hexagon on the left side is the water tap. The heptagon on the right is the switch of the water tab, The quadrilateral under the water tab is the model of the flow of the water. On the top, there is a ball that can be rotated by mouse is represented as a sponge.

A picture containing wire, light, net

Description automatically generated

Figure - Spin 3D Shape

The sphere can be rotate using the mouse when user drag the object around.

A picture containing light

Description automatically generated

Figure - User Fly Around

User can control the camera to see the 3D grid.

Chart, surface chart

Description automatically generated with medium confidence

Figure – Joint

All the 3D object on the left side(water-tap) are joint using the same matrices from your model matrix.