Jake Bennett

Amherst College: December 6, 2021

Intro to Computing and Arts

GROWTH: my digital art
What is Art?

Art is any physical creation that is used for expression. Art is used both to provide beauty and elicit emotion from the viewer, but it also often a form of therapy or statement from the artist.

By Jake Bennett
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By Jake Bennett
New Pikachu
Montana
In Points

By Jake Bennett
The Vortex

By Jake Bennett
The Matrix

By Jake Bennett
Circles in Recursion

By Jake Bennett
The USS Boat

By Jake Bennett
Red Circle and Suprematist Cross 1.5

By Jake Bennett
```java
import nervoussystem.obj.*;

void setup() {
  size(600, 600, P3D);
  smooth();
}

void draw() {
  background(150);
  translate(width / 2, height / 2);
  beginRecord("nervoussystem.obj.OBJExport","JBMTop.obj");
  //rotateX(mouseX/100.0);
  myObject(30, 100, 200, 180); //topR = 30, bottomR = 100, tall = 200 n =4
  myObject2(1, 100, 200, 180);
}

void myObject(float topR, float bottomR, float tall, int n) { //n = no of sides,
  float angle = TWO_PI / n;
  fill(0,0,255);
  beginShape(QUAD_STRIP);
  for (int i = 0; i <= n; i++) {
    vertex(topR * cos(i*angle), topR * sin(i*angle), 0); //circle bottom
    vertex(bottomR * cos(i*angle), bottomR * sin(i*angle), tall); //circle top
  }
  endShape();
}

void myObject2(float topR, float bottomR, float tall, int n) {
  float angle = TWO_PI / n;
  beginShape(QUAD_STRIP);
  for (int i = 0; i <= n; i++) {
    vertex(bottomR * cos(i*angle), bottomR * sin(i*angle), 100);
    vertex(topR * cos(i*angle), topR * sin(i*angle), 1.5*tall); //circle bottom
  }
  endShape();
  endRecord();
}
```