Grupa IA-233 Chistol Maxim

Examen: Grafica pe Calculator

Codul de pe P5js

Codul:

let fr = 30;

let model3D;

let xRotation = 0;

let yRotation = 0;

let sceneScale = 1;

function preload() {

model3D = loadModel('Chistol.obj', true);

}

function setup() {

createCanvas(800, 800, WEBGL);

normalMaterial();

frameRate(fr);

angleMode(DEGREES);

}

function draw() {

background(255);

noStroke();

rotateX(xRotation);

rotateY(yRotation);

scale(sceneScale);

push();

scale(0.4);

model(model3D);

let textX = 100;

let textY = 100;

let textZ = -200;

textSize(24);

fill(255, 0, 0);

text("INFOGRAPHICS", textX, textY, textZ);

pop();

}

function keyPressed() {

if (key === 'w') {

xRotation -= 20;

} else if (key === 's') {

xRotation += 20;

} else if (key === 'a') {

yRotation -= 20;

} else if (key === 'd') {

yRotation += 20;

}

if (key === '=') {

sceneScale += 0.5;

} else if (key === '-') {

sceneScale = max(0.5, sceneScale - 0.5);

}

}