Homework 14 Results

var Bubble = function(x, y, r) {

this.x = x;

this.y = y;

this.r = r;

};

Bubble.prototype.display = function() {

stroke(255);

strokeWeight(4);

noFill();

ellipse(this.x, this.y, this.r \* 2, this.r \* 2);

};

Bubble.prototype.intersects = function(other) {

var d = dist(this.x, this.y, other.x, other.y);

if (d < this.r + other.r) {

return true;

} else {

return false;

}

};

var b1 = new Bubble(100, 200, 40);

var b2 = new Bubble(300, 100, 60);

function setup() {

createCanvas(400, 400);

}

function draw() {

background(0);

b1.display();

b2.display();

if (b1.intersects(b2)) {

background(200, 0, 100);

}

}