CSE 116 (1-Mon 2000-2200 - A10): Semester-Long Project, by Aic Cox

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Assignment CSE 116 (1-Mon 2000-2200 - A10): Semester-Long Project try #9

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Submitted 02/25/17 01:26PM, 10 hrs, 32 mins early

Total Score 0.0/100.0

File	Remarks	Deductions		
MeetingMinutes/MinutesTemplate.txt	0	0.0		
src/edu/buffalo/cse116/Main.java	0	0.0	0.0%	
src/fractals/BurningShip.java	0	0.0	100.0%	
src/fractals/Fractals.java	0	0.0	100.0%	
src/fractals/FractalTestsAbstractClass.java	0	0.0	100.0%	
src/fractals/Julia.java	0	0.0	100.0%	
src/fractals/Mandelbrot.java	0	0.0	100.0%	
src/fractals/Multibrot.java	0	0.0	100.0%	
src/fractalsTests/BurningShipTest.java	0	0.0	100.0%	
src/fractalsTests/JuiaTest.java	0	0.0	100.0%	
src/fractalsTests/MandelbrotTest.java	0	0.0	100.0%	
src/fractalsTests/MultibrotTest.java	0	0.0	100.0%	
Submit Results.pdf	0	0.0		
Submit Results2.pdf	0	0.0		

■MeetingMinutes/MinutesTemplate.txt

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| Meeting Minutes for | Same Meeting Attendance: | Meeting Attendance: | Meeting Attendance: | Meeting Attendance: | Same Meeting: | Same Meeting: | Same Meeting: | Same Attendance: | Same Attendance:
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∃src/edu/buffalo/cse116/Main.java

$oxed{\exists src/fractals/BurningShip.java}$

\Box src/fractals/Fractals.java

```
Super class that provides the base for generating fractals and calculating escape times for each point in the fractals.
         public abstract class Fractals {
               ^{\prime**} * dist stores the distance between a point and the origin at any given time in the program.
                * passes is a counter that increases by one every time the loop is entered in the getEscapeTime method;
                * fractals store the values of the escape times of all the points in the fractal.
               protected int[][] fractals;
               /**

* Initializes fractals to a new 512 by 512 2-d array of type int.
              fractals = new int(512)[512];
}
              /** ^{\prime} Calculates the distance between the point and the origin using the ^{\prime} Pythagorean theorem.
                *
* &param x
*
The point's x-coordinate
               public double distanceFromOrigin(double x, double y) {
                   return Math.sqrt(Math.pow(x - 0, 2) + Math.pow(y - 0, 2));
                * Calculates the distance between any two equally spaced x-coordinates and y-coordinates using the formula * for arithmetic sequence. common difference = (last-first)/(n-1)
              public void setRanges() {
                * Calculates the number of times a point goes through a loop before it's * distance from the origin exceeds the escape distance or if it never * exceeds the escape distance.
                 The while loop checks if the the dist is<=2.0 or if the passes<255
                * 8param x The point's x-coordinate
```

\Box src/fractals/FractalTestsAbstractClass.java

∃src/fractals/Julia.java

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□src/fractals/Mandelbrot.java

□src/fractals/Multibrot.java

\Box src/fractalsTests/BurningShipTest.java

∃src/fractalsTests/JuiaTest.java

\exists src/fractalsTests/MultibrotTest.java

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