E/17/153

Class Diagram for Project 1

Classes implemented:

- Fractal
- Julia
- Mandelbrot

Fractal

<<Java Class>>
Ⓖ Fractal
(default package)

- width: int
- height: int
- iterations: int
- exist: int
- mandb: int
- real_start: double
- real_end: double
- imag_start: double
- imag_end: double

- Fractal(double,double,double,double,int)
- Fractal(double,double,int)
- main(String[]):void
- printPoint(Graphics2D,Color,double,double):void
- paintComponent(Graphics):void

Julia

<<Java Class>>
Ⓖ Julia
(default package)

- exist: int
- real_input: double
- imag_input: double
- real: double
- imag: double
- znow_x: double
- znow_y: double
- iter: int

- getX():double
- getY():double
- getIterations():int
- Julia(double,double)
- complex(double,double):void
- ifExist(double,double,int):int

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Mandelbrot

<<Java Class>>
Ⓖ Mandelbrot
(default package)

- exist: int
- real_start: double
- real_end: double
- imag_start: double
- imag_end: double
- real: double
- imag: double
- iter: int

- getX():double
- getY():double
- getIterations():int
- Mandelbrot(double,double,double,double)
- complex(int,int):void
- ifExist(double,double,int):int

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