CO225 - SOFTWARE CONSTRUCTION PROJECT 1 - FRACTALS

E/17/212 - Morais K.W.G.A.N.D.

Project 1 - Class Diagram

Fractal

- minReal, maxReal, minComplex, maxComplex,realj, complexj : double -iterations,threadCount : int
- + Fractal()
- + main(Strings[] args)

PanelEx

- WIDTH, HEIGHT : int # buffer : BufferedImage
- + PanelEx()
- # plotFractal(String)
- # paintComponent(Graphics)
- # Set(x,y:int)
- # NotSet(x,y,iterations : int)

Julia

- iterations, start, end: int
- minComplex, maxComplex,scale : double
- + Julia(complex1,complex2 : double ,

iterations : int)

+ run()

Mandelbrot

- iterations, start, end : int
- minComplex,

maxComplex,scale1,scale2,minReal,maxReal : double

+ Mandelbrot(real1,real2,real3,real4 :

double, count : int)

+ run()