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COS 488

Plot the derivative of the supernecklace GF (see Note IV.28) in the style of the plots in Lecture 4.

This was the Java program that I wrote using the code from the lecture slides, plus the resulting image:

```java
public class Supernecklace implements ComplexFunction
{
    public Complex eval(Complex z)
    {
        Complex one = new Complex(1, 0);
        Complex a = one.minus(z);              // first term: 1-z
        Complex b = (a.reciprocal()).log();    // log(1/(1-z))
        Complex c = one.minus(b);              // second term: 1-log(1/(1-z))
        Complex d = a.times(c);          // denominator of derivative
        return d.reciprocal();                 // return the derivative
    }

    public static void main(String[] args)
    {
        Plot2Dez.show(new Supernecklace(), 512);
    }
}
```