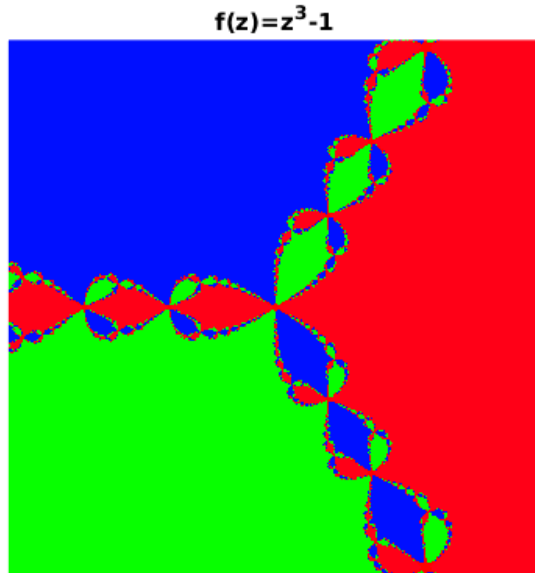


Student Information

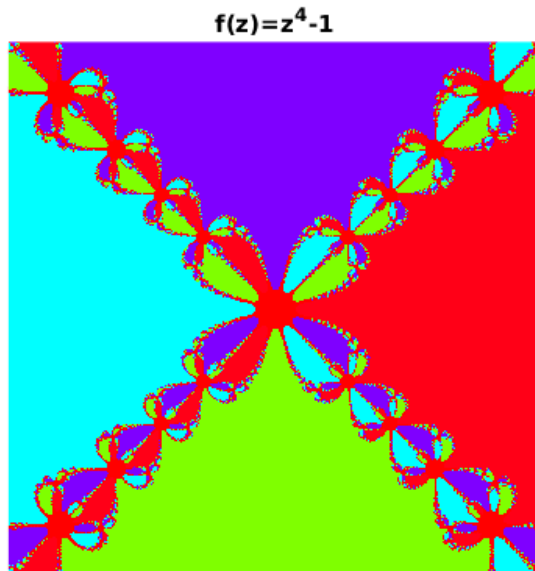
Full Name : Eda Özyılmaz

Id Number : 2171882

My first function is $f(z) = z^3 - 1$ for $x, y \in [-2, 2]$ where $z = x + y * i$ and $\alpha = 1$. The file assign4.m generates the fractal below for the first function.



My second function is $f(z) = z^4 - 1$ for $x, y \in [-2, 2]$ where $z = x + y * i$ and $\alpha = 1$. The file assign4.m generates the fractal below for the second function.



My third function is $f(z) = z^5 - 1$ for $x, y \in [-2, 2]$ where $z = x + y*i$ and $\alpha = 1$. The file `assgn4.m` generates the fractal below for the third function.

