Abstract

In this paper the dynamics of the complex logarithmic function is investigated using the Ishikawa iterates. The fractal images generated from the generalized transformation function $z \to \log(z^n + c)$, $n \geq 2$ are analyzed.
Reference


**Index Terms**

- Computer Science
- Applied Mathematics

**Key words**

- Complex dynamics
- Relative Superior Mandelbrot Set
- Relative Superior Julia set
- Ishikawa Iteration and Midgets