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 \( z \rightarrow \log(z^n + c) \), \( n \geq 2 \) are analyzed.
Reference

- G. Julia, “Sur 1’ iteration des functions rationnelles”, J Math Pure Appl. 8 (1918), 737-747


Index Terms

Computer ScienceApplied Mathematics

Key words

Complex dynamics

Relative Superior Mandelbrot Set

Relative Superior Julia set

Ishikawa Iteration and Midgets