Abstract

We explore in this paper the dynamics of the inverse complex function using the Ishikawa iterates. The z plane fractal images generated from the generalized transformation function $z \rightarrow (z^n + c)^{-1}, n \geq 2$ are analyzed.

Reference

- P. Blanchard, Complex Analytic Dynamics on the Riemann Sphere, Bulletin of the
Inverse Complex Function Dynamics of Ishikawa Iterates


- S. Dhurandar, V. C. Bhavsar and U. G. Gujar, “Analysis of z-plane fractal images from for α


Index Terms

Computer Science  Applied Mathematics

Key words

Complex dynamics  Relative Superior Mandelbrot Set

Relative Superior Julia set

Ishikawa Iteration