Abstract

The object Mandelbrot set given by Mandelbrot in 1979 and its relative object Julia set have become a wide and elite area of research nowadays due to their beauty and complexity of their nature. Many researchers and authors have worked to study and reveal the new concepts unexplored in the complexities of these two most popular sets of fractal geometry. In this paper we review the recently done work on complex functions for producing beautiful fractal graphics, by few eminent researchers contributing a lot to the field of fractal geometry. The reviewed work mainly emphasizes on the complex functional dynamics of Ishikawa iterates for inverse and logarithmic function and existence of relative superior Mandel-bar set.

References

- Yashwant S Chauhan, Rajeshri Rana, and Ashish Negi, "New Tricorn & Multicorns of Ishikawa Iterates", International Journal of Computer Applications (0975-8887) Volume...
A Study of New Fractals Complex Dynamics for Inverse and Logarithmic Functions

7- No. 13, October 2010
- Ashish Negi, Shashank Lingwal and Yashwant Singh Chauhan, "Complex and Inverse Complex Dynamics of Fractals using Ishikawa Iteration", International Journal of Computer Applications (0975-8887) Volume 40- No. 12, February 2012
- Rajeshri Rana, Yashwant S Chauhan, and Ashish Negi, "Non Linear Dynamics of Ishikawa Iterates", International Journal of Computer Applications (0975-8887) Volume 7- No. 13, October 2010
- Rajeshri Rana, Yashwant S. Chauhan, Ashish Negi, "Inverse Complex Function Dynamics of Ishikawa Iterates", International Journal of Computer Applications (0975-8887) Volume 9- No. 1, November 2010

Index Terms

Computer Science
Applied Sciences

Keywords
Fractals  Complex Dynamics  Relative Superior Mandelbrot Set  Relative Superior Julia Set  Ishikawa Iteration
Relative Superior Mandel-bar Set
Midgets