Abstract

The Multibrot fractal is a modification of the classic Mandelbrot and Julia sets and it is given by the complex function \( f_c(z) = z^p + c \) where \( p \) and \( c \) is a constant. This Fractal is particularly interesting, with beautiful shapes and lots of spirals. In this paper we have presented different characteristics of Multibrot function using superior iterates. Further, different properties like trajectories, fixed point, its complex dynamics and its behavior towards Julia set are also discussed in the paper.

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