Abstract

Carotid Kundalini function broadly known as C-K function was introduced by Gordon R. J. Cooper. It is given by the function where \( z, c \) and \( N \) are complex constants. Cooper presented interesting Julia sets by taking \( c = (0,0) \). Rani and Negi introduced a new process for generation of the C-K function and obtained interesting variants of Julia set generated by Cooper at some exciting figures for parameter, for values of \( c \) other than \((0, 0)\). In this paper we apply a different iteration process for generation of the Julia set for C-K function and will call them relative superior C-K Julia sets. Further, different properties like trajectories and fixed point are also discussed in the paper. We also obtain some exciting figures for the C-K function for values of \( c \) other than \((0, 0)\).

References

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Relative Superior Julia Sets for Complex Carotid-Kundalini Function


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