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 $c$, 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

- Rani, Negi A.: New julia sets for complex c-k function,

**Index Terms**

Computer Science  
Applied Mathematics

**Keywords**

Carotid Kundalini Function  
Ishikawa Iteration  
Relative Superior C-k Julia Set