International Journal of Applied Mathematics & Statistical Sciences (IJAMSS)
ISSN(P): 2319-3972; ISSN(E): 2319-3980
Vol. 5, Issue 2, Feb - Mar 2016; 99-124
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JULIA SET AND SOME OF ITS PROPERTIES

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ABSTRACT

In this paper we have studied several properties of the Julia sets for the complex polynomial of the form $z^2 + c$. We have also discussed the stability nature of its fixed points and periodic points in some situations depending on the value of the parameter c.

KEYWORDS: Fixed Point, Periodic Point, Iteration of a Map, Stability of Fixed and Periodic Points