Algorithmic Approach and an Application for Algebraic Equations

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Abstract*: Iteration is the repetition of a process to solve a problem or defining a set of processes to called repeated with different values. The method mentioned in this survey article, we will find the roots of equations which are described. This method is called bisection, RegulaFalsi and Newton Raphson Method. The uses of these methods are implemented on an electrical circuit element. The solution of the problems is finding the only real roots of the equation. In different types of applications, sometimes the real roots cannot be finding. In this situation, the complex roots of the equation are determined. On the other side, the finding of the complex roots is needed to make again numerical analysis. The numeric analysis is except for this article. Drawn the flow chart of the method can be present different approach for this method with using C, Matlab programming language.*

Keywords: RegulaFalsi and Newton Raphson