

Study on Finding The Roots of Non-Linear Equations using a Parallel Hybrid Algorithm of the Bisection and Newton-Raphson Methods

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Abstract: *With inspiration from the Bisection method and the Newton-Raphson algorithm, this work presents a novel parallel Hybrid algorithm. Finding the true roots of a single non-linear equation using the suggested Hybrid algorithms takes less time and requires less iterations of the procedure. We have used these strategies in a parallel setting. In this paper, we discuss each method and compare them to one another.*

Keywords: Hybrid Algorithm, bisection Method, Parallel Hybrid Algorithm, Parallel Numerical Algorithm, Newton-Raphson Method

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