Detailed C++ Root-Finding Speedup and Efficiency Report

This report provides a detailed analysis of speedup and efficiency for the root-finding experiment conducted in C++. The serial and parallel versions of the algorithm were compared based on their execution times, speedup, and efficiency.

Serial Execution Time (C++): 0.0400988 seconds

Parallel Execution Time:

0.0006396

Number ofCores Used: 4

Speedup: 3.00

Efficiency: 0.75

Execution Times for Python and C++

Speedup Comparison for Python and C++