

# **Detailed Python Root-Finding Speedup and Efficiency Report**

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

Serial Execution Time

(Python): 0.125000 seconds

Parallel Execution Time

(Python): 0.045000 seconds

Number of Cores Used: 4

Speedup: 2.78

Efficiency: 0.69

