

Contribution ID: 78 Type: not specified

Solving Linear Algebraic Equations by using Distributed Memory Programming

Thursday, December 26, 2024 11:00 AM (15 minutes)

In this paper, we study solving of linear algebraic equations with the form of Ax=b in a distributed manner by using distributed memory programming. We consider open-source message passing interface (MPI) approach to model our simulations. Also we review the sequential programming approach and make comparison with MPI on the performances under different network topologies.

Paper Language

English

Contribution Type

In-Person

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Session Classification: Session: In-Person (English Language)

Track Classification: General Track