Extending Distributed Functionality in Phylanx

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Recent Work

- Implementing dot_d 2d2d
- Implementing Cannon's Algorithm
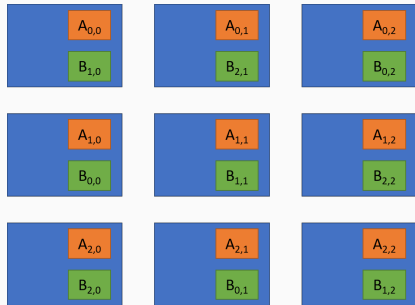- Distributed Read

Matrix Multiplication

- Existing dot_d
- Implemented using annotations
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Matrix Multiplication

- New Primitive
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Cannon's Algorithm

This is text

Multiply Block-Tiled Distributed Matrices A and B

A C++ runtime system for applications of any scale [1,2]

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Subtitle 2

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[1] *Parallex an advanced parallel execution model for scaling-impaired applications* - H. Kaiser et al - ICPPW, 2009

[2] *A Task Based Programming Model in a Global Address Space* - H. Kaiser et al - PGAS, 2014

Example code

C++ code

Thanks for your attention