

Welcome to Hama project

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1. Introduction

Hama (means a hippopotamus in Korean) is a distributed scientific package on Hadoop for massive matrix and graph data. It is currently in incubation with Apache. The main goal of Hama is to provide computational tools for data-intensive scientific and industrial areas. It consists of two packages, which are the matrix package and the graph package.

- Scientific simulation and modeling
 - Matrix-vector/matrix-matrix multiply
 - Solving linear systems
 - [Scientific graphs](#)
- Information retrieval
 - Sorting
 - Finding [eigenvalues and eigenvectors](#)
- Computer graphics and computational geometry
 - Matrix multiply
 - Computing matrix determinate

For more information about Hama, please see the [Hama wiki](#).

2. Getting Started

- [Getting Started](#) with Hama

3. Recent News

- 24 January 2010 - We submitted the paper to "USENIX Workshop on Hot Topics in Parallelism (HotPar '10)"
- 11 December 2009 - We'd implemented, introduced the BSP (Bulk Synchronous Parallel) package [\[pdf\]](#)
- 18 August 2008 - Source code is now available in the [Apache SVN repository](#).
- 23 June 2008 - A [meeting](#) with Professor Choi J., a member of [ScaLAPACK](#) team.
- 20 May 2008 - Hama accepted to Apache Incubator Project.
The Incubator PMC have voted to accept Hama to be a apache incubator project.