Wolfram gridMathematica v13.3.1 Multilingual for Win & Linux & macOS

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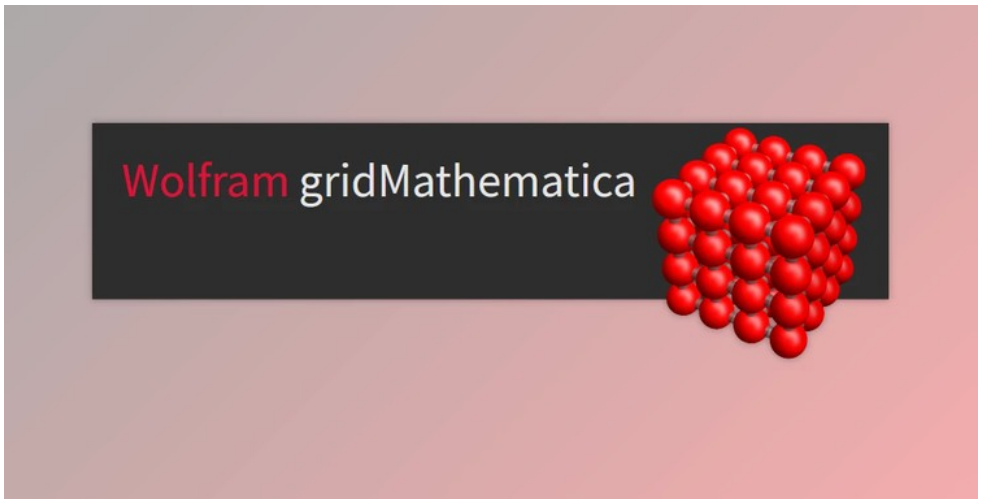

The Wolfram Research development team is delighted to announce the launch of gridMathematica. This application lets you utilize Mathematica's robust technical computing environment with the latest technologies for parallel computing in clusters, local area networks, and other multiprocessor platforms to solve complex mathematical calculations and other engineering, science, and finance disciplines.

gridMathematica can be described as an extension tool for building the capacity you can get from your Mathematica licenses. gridMathematica Server gives Mathematica users access to a pool shared by at least 16 extra network-connected Mathematica computation kernels to run distributed parallel computations across several CPUs. There's no need to modify the code you have in place for parallel computations. Make gridMathematica Server accessible, and your parallel applications will immediately benefit from the extra processor power. If you are working on a vast parallel project or need to boost your performance to speed things up, you can quickly grab additional power whenever needed.

In addition to Mathematica's inherent parallelization capabilities, gridMathematica can run many tasks faster using more GPUs and CPUs for speedier execution. With gridMathematica, the coordination of processes and management is completely automated. The most appropriate parallel tasks can run faster without any code modifications.

Parallel Computation is a Standard feature in Mathematica.

Each version of Mathematica has the capability of instant parallel computing for absolutely no cost. With single-machine configurations, Mathematica can run parallel computation across eight, four, or 16 locally-based processors based on the Mathematica edition. If you purchase a Mathematica Core Extension, you will increase the local processor core's support by 50% or more.

Premier Service subscribers and gridMathematica users also use Wolfram's Lightweight Grid Manager for free. The program makes it simple for users to locate and access Mathematica applications on other computers and build ad-hoc grids powered by inactive Wolfram Engine processes.

Wolfram gridMathematica Great Features:

A grid-based deployment for Mathematica's features includes state-of-the-art fast numerical routines, statistical processing, image processing, and financial capabilities. It also supports remote connectivity to GPUs and distributed on-the-fly generation and compiling of parallel C code. If you can do it in Mathematica, you can also do it with the grid.

High-level Parallel Programming Language can automate many of the communication of data, synchronization, and error-recovery, which make grid computing difficult to set up. With automatic serialized data transfers, it is possible to transfer files and structured data to remote computers without configuring the standard file system.

Assistance of HPC standards, such as the cluster-management systems Altair PBS Professional, Microsoft Windows Compute Cluster Server, Microsoft HPC Server, Platform LSF along with Sun Grid Engine, and Wolfram Lightweight Grid software for systems that do not have cluster management. High-speed and gigabit networks,, CUDA, and OpenCL GPU hardware, are available.

版本列表

- Wolfram gridMathematica v13.3.1 Multilingual for Linux
- Wolfram gridMathematica v13.3.1 Multilingual for macOS
- Wolfram gridMathematica v13.3.1 Multilingual for Win

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