

NEWS FROM WOLFRAMRESEARCH

Winter 2006 • A Publication of Wolfram Research

Introducing the state of the art in technical development. The new Wolfram *Workbench*[™] provides an integrated environment for high-throughput software development with *Mathematica*[®], *gridMathematica*[™], and *webMathematica*[™].

Complementing *Mathematica*'s uniquely powerful, high-level programming language and world-renowned features for computation, visualization, and modeling, *Workbench* is ideal for creating large-scale solutions in areas such as engineering, science, finance, and education.

As demonstrated in webcasts on the Wolfram website, key features in *Workbench* enable users to:

- Group files, code, and other *Mathematica* resources into a single project
- Perform source code editing with syntax highlighting, error reporting, local variable coloring, and many more options
- Study code as it runs to easily detect and fix any problems
- Profile the code's execution and develop and run tests, with an array of insightful reporting methods
- Manage multiple versions of files and access their version histories
- Build and deploy *Mathematica* packages

Built on Eclipse, a leading platform for IDE development, *Workbench* makes it easy for Eclipse adopters to use *Mathematica* for their applications while giving *Mathematica*-based developers access to state-of-the-art development tools for more efficient project construction and increased productivity. Boosting *Mathematica*'s capability for more complex projects, *Workbench* takes technical development into the 21st century, away from Fortran and its derivatives. For more information, visit wolfram.com/r/g06/workbench.

With *Mathematica Personal Grid Edition* and quad-core computers, personal supercomputing is now a reality. Eliminate the barriers to using parallelism as part of your daily workflow—with no administrative overhead and no contending for shared resources—and open the door to new possibilities in high-performance computing. *Mathematica Personal Grid Edition* lets you easily tackle larger problems and investigate parallel approaches at any stage of the problem-solving process, right at your desk and at your own convenience. For more information, visit wolfram.com/r/g06/mpge.

Free online seminars from Wolfram Education Group provide an overview of *Mathematica* technologies. Wolfram Education Group (WEG[™]) now offers free, live, online seminars to participants worldwide. Presented by senior Wolfram Research staff, these seminars are an excellent, informal way to learn more about *Mathematica* and its uses. If you are new to *Mathematica*, have not kept up to date with the latest versions of the software, or are thinking about taking a WEG course and want to get an idea of how they are run, these seminars are for you. For more information, visit wolfram.com/r/g06/seminars.

Learn what makes *Mathematica* the tool of choice for science and technology leaders in the Wolfram Technology Guide. The new Wolfram Technology Guide provides an essential overview of the key technologies that make *Mathematica* such a unique and powerful computing system for users like you. An easily navigated, interactive interface lets you jump directly to features of interest, complete with visual illustrations and animated examples that show how the technology makes a difference in your everyday work. Download the Technology Guide or explore it online at wolfram.com/r/g06/techguide.

TAKE ADVANTAGE OF THESE SPECIAL PROMOTIONS FOR GOVERNMENT USERS

Wolfram Research currently has several promotions available for government users interested in online training, *Mathematica* license upgrades, network license expansions, and first-time site licensing.

Accelerate Your Work with These Offers:

Purchase a new *Mathematica* license together with *A First Course in Mathematica* online training for only \$1995, a savings of almost \$400. Mention promotion code PD1618.

Save over \$2000 when you expand an existing *Mathematica* license and receive a free concurrent license for every two concurrent licenses purchased. Mention promotion code PD1619.

Contact us at info@wolfram.com for more details, or call 1-800-WOLFRAM to speak with a representative about your order.

Are you at a *Mathematica* organization? You may already be able to access *Mathematica* through your lab or facility. Email info@wolfram.com and ask if your organization is a *Mathematica* site, or go to wolfram.com/r/g06/access to find out.

Deploy *Mathematica* technology at your organization. Wolfram Research offers a full line of technical computing products for all your organization's needs that can be easily integrated into your existing IT infrastructure. Network licensing, a growing number of field-specific application packages, and the latest technologies for web, grid, and cluster computing provide convenient utilization options for any situation. For example, the U.S. Army Night Vision Lab recently entered into an agreement that includes *Network Mathematica*, *Digital Image Processing*, and *Signals and Systems* to help increase the lab's effectiveness. Investigate your licensing options at wolfram.com/r/g06/deployment.

Onsite training classes from Wolfram Education Group get your entire workgroup up to speed. Lawrence Livermore National Lab (LLNL) hosted two onsite courses for LLNL and Sandia National Lab employees this year, providing them with invaluable information on *Mathematica* and its applications.

Certified training courses are the single most effective method available for learning to take full advantage of *Mathematica*. Personal interaction with certified WEG instructors allows for small group discussions and one-on-one consultation. Each course can be tailored to your organization's specific needs, and class time is often set aside to work through personal projects or group initiatives.

WEG offers a wide range of classes on programming, working with data, applied statistical analysis, parallel computation, digital image processing, and more. Find a training center near you, or take a convenient and affordable online mini-course from your home or office. Or, to arrange onsite *Mathematica* training for a user group at your organization, please contact us for details and availability at weg@wolfram.com. For all other training dates and locations, visit wolfram.com/r/g06/weg.

Mobilize your research with *Mathematica* technology. The Robotics and Mechanisms Laboratory (RoMeLa) at Virginia Tech uses *Mathematica* to study novel mobile robot locomotion strategies for organizations such as the National Science Foundation, the Office of Naval Research, and NASA's Jet Propulsion Laboratory. RoMeLa researchers especially appreciate *Mathematica*'s powerful 3D graphics capabilities. *Mathematica* enables them to visualize and create graphical simulations and animations for their new and varied locomotion ideas much more easily than using other tools. To see how other users are applying *Mathematica* at work and in their leisure time, visit wolfram.com/r/g06/experience.

Subscribe on the web to receive our email newsletter. *MATHwire*[™] (wolfram.com/r/g06/mathwire) contains all the latest information from Wolfram Research. Read about what's new in the world of *Mathematica*, including recent products and services, interesting and unique discoveries, event announcements, and more by email every other month. Sign up online at wolfram.com/r/g06/subscribe.

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MEET WITH
WOLFRAM RESEARCH
AT THESE
UPCOMING EVENTS

2007 Joint Mathematics Meetings
January 5–8
New Orleans, Louisiana

Join *MathWorld* creator Eric Weisstein and other representatives from Wolfram Research as they preview the new era of *Mathematica* technologies. Learn how to incorporate these breakthroughs into your work, and have all your technical computing questions answered by our experts.

wolfram.com/r/g06/jmm

APS March Meeting 2007
March 5–9
Denver, Colorado

Look for senior Wolfram Research developers and check out demonstrations of the new functionality in *Mathematica* at the Wolfram exhibit booth. Staff will be on hand to showcase new directions in technical computing and discuss *Mathematica*'s impact on a variety of technical fields.

wolfram.com/r/g06/sc06