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April 2011

Wolfram Insider

Welcome!

Our redesigned monthly newsletter will keep you informed on all the latest Wolfram news, products, resources, and more. We welcome your feedback.

Topic of the Month

Launching a New Era in Large-Scale Systems Modeling

Launching a New Era in Large-Scale Systems Modeling

Why bringing together Wolfram and MathCore technologies will create a system capable of launching a whole new era in large-scale systems modeling. More »

Product News

New Release: Mathematica 8.0.1

New Release: *Mathematica* 8.0.1

Released in November, *Mathematica* 8 has added over 500 features, including Wolfram|Alpha integration and the revolutionary free-form input, which allows users to enter commands using plain English. *Mathematica* 8 is also now available in both Chinese and Japanese editions. More »

Read the *Dr. Dobb's* review »
Read the *HPCwire* review »
Try it for free »

Mathematica 8.0.1 is now available for free to existing *Mathematica* 8 users. Get it now.

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From the Blog

Featured Blog Post

Built to Last: Understanding Earthquake Engineering »
The science behind earthquakes and how to engineer safer buildings

Breaking Secret Codes with *Mathematica* »

View all posts »

Upcoming Events

Featured Online Seminar

New Release: Wolfram|Alpha API 2.0

The Wolfram|Alpha API brings computational knowledge to your web, mobile, desktop, and enterprise applications. More »

Wolfram Demonstrations Highlights

The Wolfram Demonstrations Project: New Look, New Features

The Wolfram Demonstrations Project: New Look, New Features

The Wolfram Demonstrations Project, home of nearly 7,000 knowledge apps across science, mathematics, engineering, technology, business, finance, and more, has been redesigned and now lets users interact with apps directly in their browsers—no more downloading files or switching between applications. More »

Take the Wolfram Demonstrations Challenge!

Complete the Wolfram Demonstrations Challenge before 5pm CDT on April 18, 2011, for your chance to win a copy of *Mathematica* 8 Professional, ThinkGeek gift cards, and more. More »

Check out this month's featured Demonstrations.

Radial Engine

Segmenting a Medical Image

CIE Chromaticity Diagram

Radial Engine

Segmenting a Medical Image

CIE Chromaticity Diagram

New Free Resources

Seminars

Seminar: Advanced GPU Programming Using *Mathematica* and CUDA (S71)

Topics include how to compile CUDA code into an executable, load user-defined CUDA functions into *Mathematica*, use CUDA memory handles to increase memory bandwidth, and use *Mathematica* parallel tools to compute on multiple GPUs either on the same machine or across networks.
Register now »
Download free white paper: CUDA Programming in *Mathematica* 8 »

Seminar: GPU Computation Using *Mathematica* and OpenCL (S72)
Register now »

Seminar: What's New in *Mathematica* 8 (S11)
Register now »

Seminar: Wavelet Analysis in *Mathematica* (S45)
Register now »

Seminar: Control Systems in *Mathematica* (S60)
Register now »

Seminar: Statistics and Data Analysis with *Mathematica* (S20)
Register now »

Seminar: Advanced GPU Computation Using *Mathematica* and CUDA (S71) »
May 4, 11, and 13, 2011

SPE Digital Energy Conference and Exhibition 2011 »
April 19-21, 2011—The Woodlands, TX

DoDIIS »
May 1-5, 2011—Detroit, MI

RMA: Retail Risk Conference »
June 15-17, 2011—Chicago, IL

View all events »
Free online seminars »

Training Programs

Featured Training Event
M101: A First Course in *Mathematica* »
Online; Kiel/Berlin, Germany

M100: Introduction to *Mathematica* »
Lyon/Paris/Grenoble, France; Tokyo, Japan

M215: Applied Statistical Analysis »
Online; Kiel/Berlin, Germany; Amsterdam, Netherlands

M221: Introduction to Programming in *Mathematica* »
Online; Washington, DC, USA; Grenoble, France; Berlin/Kiel, Germany

M225: Parallel Computing with *Mathematica* »
Berlin, Germany; Amsterdam, Netherlands

Full training calendar »

Wolfram in the News

Scientific Computing World review »
"[*Mathematica* 8 is] ...arguably one of Wolfram's most significant upgrades."

Dr. Dobb's Mathematica 8 review »

HPCwire Mathematica 8 review »

Follow Us

Seminar: Image Processing with *Mathematica* **(S25)**
Register now »

Seminar: Image Processing Applications (S51)
Register now »

The Mathematica Journal

The Mathematica Journal is a free resource that publishes articles informing and enabling *Mathematica* users at all levels of proficiency.
More »

Did You Know?

...that you can easily build interactive trading charts using *Mathematica* **8?**

...that you can easily build interactive trading charts using Mathematica 8?

Interactively explore prices and indicators—the `InteractiveTradingChart` function added in *Mathematica* 8 creates trading charts that let you easily change the date range, switch from candlestick to open-high-low-close to line charts, and add any of 100 built-in financial indicators. More »

Solutions Spotlight

Wolfram Solutions for Finance, Trading, and Banking

Mathematica 8's newly added financial functions gives researchers, analysts, and traders the ability to streamline their workflow and produce accurate results. *Mathematica* includes pre-set functions for derivatives, probability, indicators, trading charts, optimization, and more—and lets you visualize your results using 2D or 3D graphics, process your results with GPU capabilities, give on-the-spot scenario analysis, and more. More »

Wolfram Solutions for Finance, Trading, & Banking

User Stories

Geared for Success: Optimizing Face Gear Surfaces in *Mathematica*

In Steve Bush's role developing household consumer items at The Procter & Gamble Company, he's involved in the physics behind products as well as their economic feasibility, and *Mathematica* gives him the tools to evaluate both. More »

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The Mathematica Journal »

Demonstrations Project »

Wolfram|Alpha »

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