Wolfram For Education

WOLFRAM
COMPUTATION MEETS KNOWLEDGE

From elementary school to graduate school and beyond, Wolfram's products bring the world's best technology to education.

Millions of students use Wolfram technologies through Wolfram|Alpha every day, and all of the top 200 universities worldwide have Wolfram site licenses. For more than a quarter of a century, Wolfram's flagship Mathematica system has been a central tool for higher education across a variety of STEM disciplines. Over the years, Wolfram has added Wolfram|Alpha, Wolfram Programming Lab, and other products, and continues to apply its technology to deliver uniquely powerful solutions for education—across fields and at all educational levels.

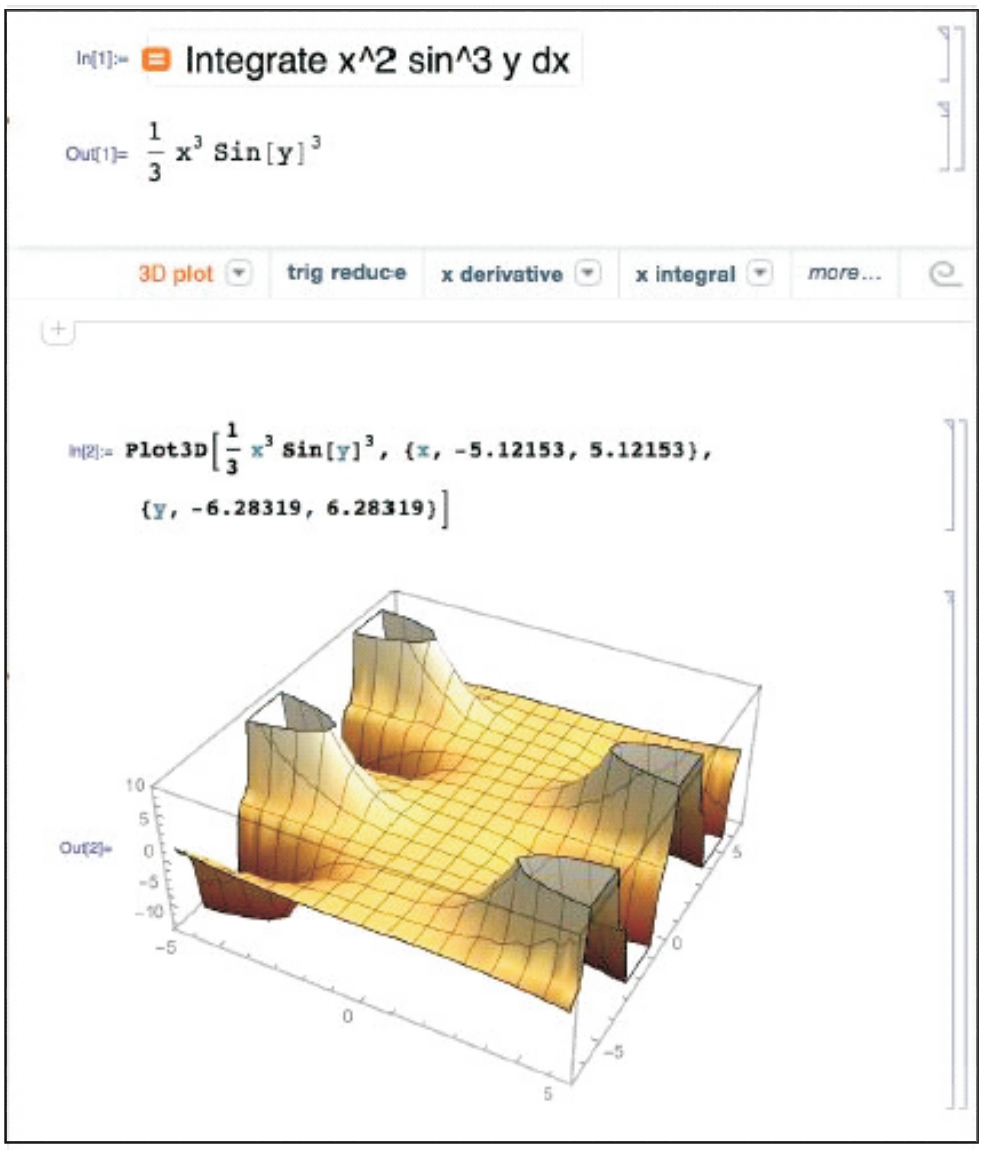
Wolfram Research is one of the world's most respected computer, web and cloud software companies—as well as a powerhouse of scientific and technical innovation. Wolfram offer powerful knowledge-based computing solutions across all fields.

Wolfram Mathematica-our ever-advancing core product that has become the ultimate application for computation, visualization & development with millions of dedicated users throughout the world in technical and educational communities.

MATHEMATICA

The world's definitive system for modern technical computing

Mathematica offers a complete environment for teaching and research that seamlessly combines a powerful calculation and dynamic visualization engine with an intuitive user interface that makes it easy for anyone get started. And because Mathematica also includes built-in documentation and presentation tools, it's perfect for creating course and project materials. Now there's no need to jump between different programs to get your work done.



New in Mathematica 12

- Fully deployable on desktop, cloud, mobile and embedded systems
- Use of latest multiparadigm data science and machine learning and work with blockchains
- Seamless access to the full Wolfram Knowledgebase or custom databases
- External & database operations
- Featured Areas such as data science, machine learning & real-world systems

COMPUTE AND VISUALIZE JUST ABOUT ANYTHING

Mathematica has thousands of built-in functions covering algebraic manipulation to visualization, and everything in between.

- Equation Solving
- Mathematical Computation
- Numerics Visualization
- Engineering Computation
- Algebraic Manipulation
- Financial Computation
- Geometric Computation
- Data Analysis
- Graph Computation
- Scientific Computation
- Image Computation
- Sound Analysis
- Geographic Computation
- Time Series

Mathematica used in

- Life Sciences
- Business/Finance
- Mathematical Sciences
- Engineering
- Computer Sciences
- Physical Sciences

Features

- Built-in documentation and presentation tools
- Built-in algorithms and knowledge
- Powerful data analysis tools and statistical superfunctions
- Image processing and analysis
- Automated machine learning
- Data handling and big data support
- Increase performance with parallel computing
- Easily interface with existing data and programs

GET STARTED QUICKLY

Mathematica makes it easy to get started, so you can focus on the concepts that you want to teach rather than spending valuable time showing students how to use the software. Enter commands in free form English, and get suggestions for entering Wolfram Language code, ideas for what to do next, and templates for entering calculations.

For More info:

https://www.wolfram.com/education/

https://gte-india.com/

https://www.wolfram.com/wolfram-u/catalog/gen101/

G.T. Enterprises
Open Space for Open Source

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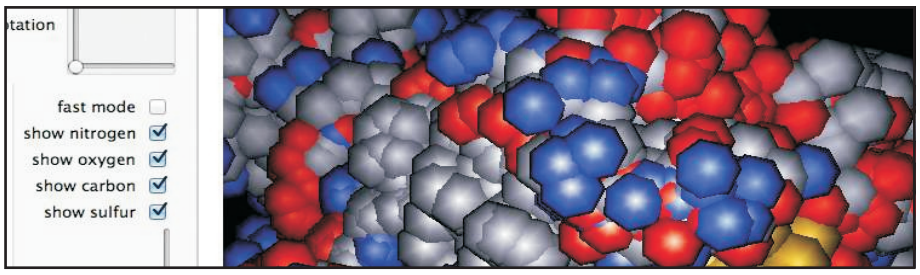
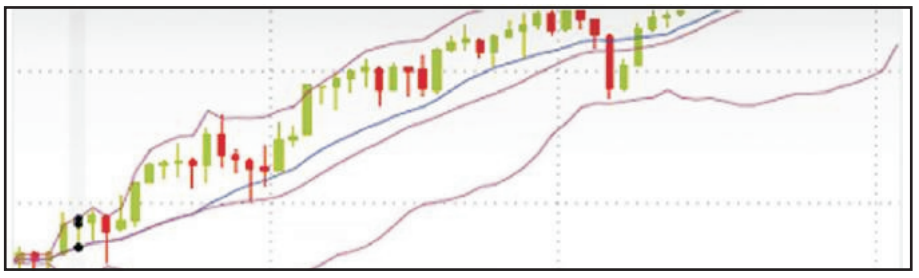
Use Cross-Campus and Cross-Discipline



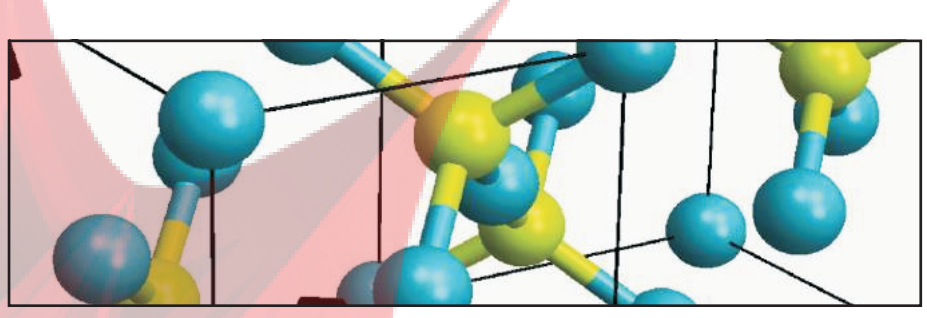
BIOLOGY & LIFE SCIENCES

Introduce quantitative methods and prepare your students for the computational future with instant access to state-of-the-art visualization, bioinformatics, statistics, and modeling—as well as chemical and biological data.



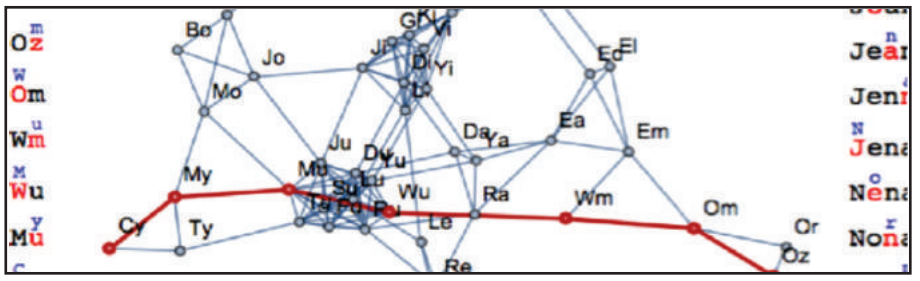
BUSINESS/FINANCE/ACCOUNTING

Wolfram tools provide a unique way to teach business students modern quantitative and computational thinking as well as support state-of-the-art quantitative finance, business modeling, and analytics.



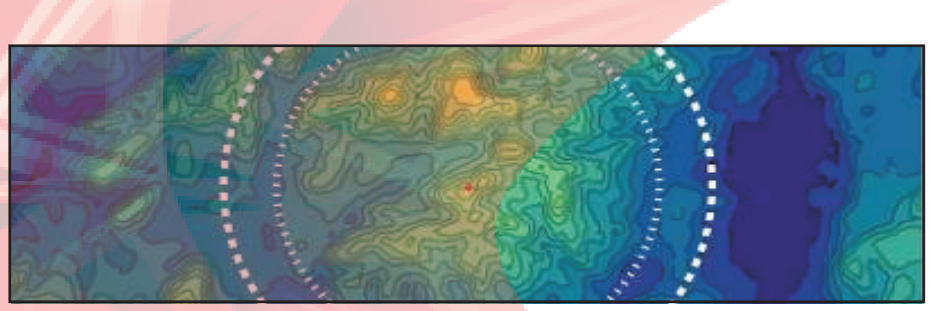
CHEMICAL SCIENCES

From homework calculations with built-in chemical data to classroom demonstrations and experimental data capture, Wolfram tools let your students apply modern computation to chemistry.



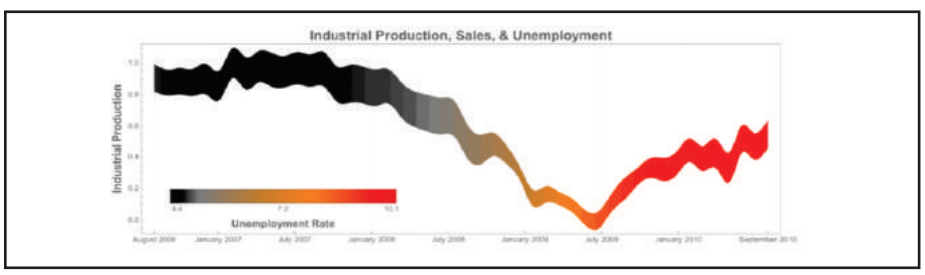
COMPUTER SCIENCE

With its high level of automation and built-in knowledge, the Wolfram Language gives students a uniquely accessible new path to modern computer science and computational thinking.



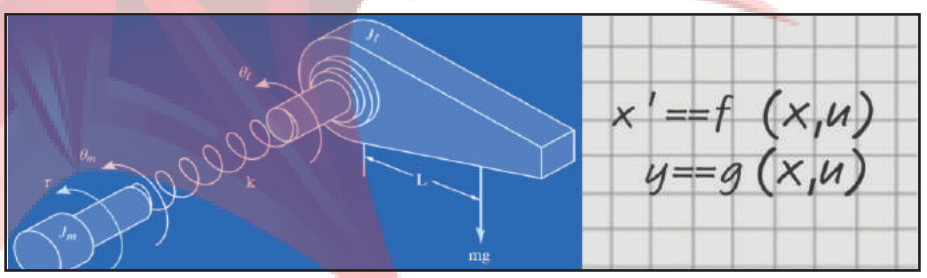
EARTH & ENVIRONMENTAL SCIENCE

Expose your students to real-world earth and environmental science computations, with extensive built-in data and feeds, as well as working with geodesy and connecting to sensor devices.



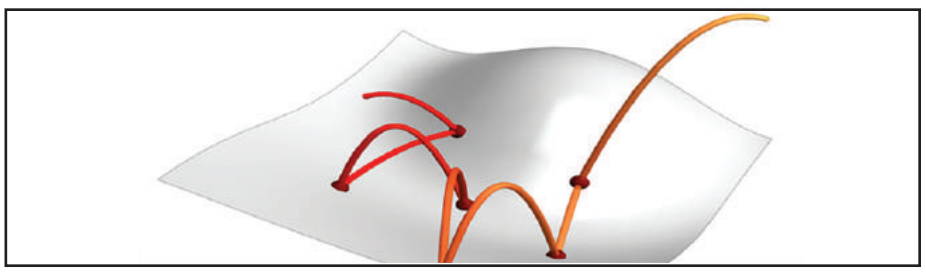
ECONOMICS

Wolfram tools provide a unique environment for students to engage directly with real-world economics data and do their own computations, simulations, and more.



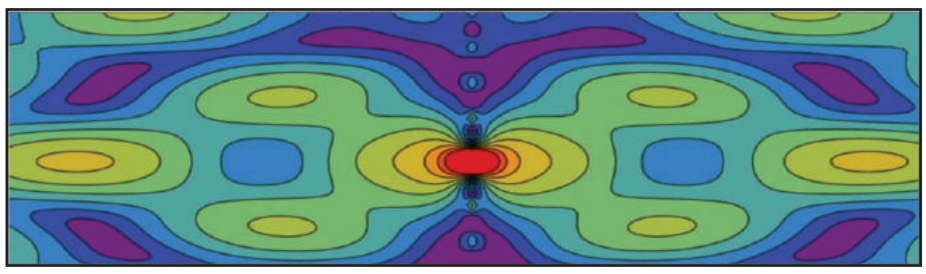
ENGINEERING

From homework calculations to real-world design projects, students can use Wolfram tools—with their wealth of built-in knowledge, algorithms, and device connectivity across all areas of engineering.



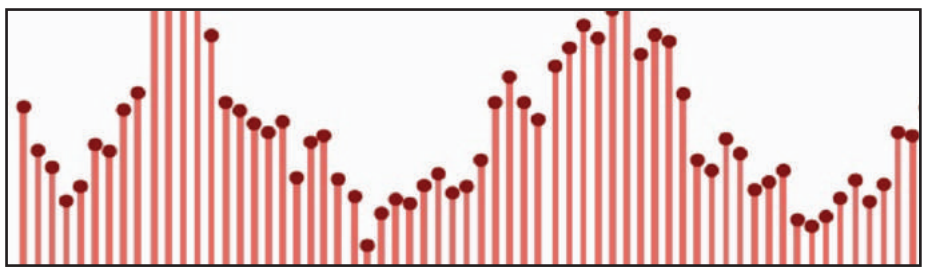
MATHEMATICAL SCIENCES

For both math majors and others, Wolfram products provide the essential computational backbone to teach mathematical thinking and skills, and aid understanding of all forms of math subject matter.



PHYSICAL SCIENCES

From classroom simulations to homework calculations, Wolfram tools provide the essential computations and data for physics, and now also allow direct connection to experimental apparatus.



STATISTICS

Treat your students to state-of-the-art statistical tools, including visualization and machine learning, explore thousands of domains of built-in data, and use Wolfram tools to manipulate formulas as well as numbers.