World’s Ultimate Computation

Pushing the boundaries of computation, Wolfram Finance Platform brings you the world’s largest web of algorithms, hybrid symbolic-numeric calculations, high-performance parallel processing, any-precision numerics, and automated precision control—the ultimate computation for finance workflows.

Combining advanced optimization algorithms with probability and statistical capabilities, Wolfram Finance Platform enables you to compute hedging positions, price derivative instruments, and more.

Advanced Integrated Development Environment

With a modern, multiparadigm language; full-featured IDE; and rich, built-in computation support; Wolfram Finance Platform provides a rapid development workflow for computation-centric applications.

Wolfram Finance Platform’s high-level language includes support for a wide range of computational tools, such as derivatives pricing, model analysis, optimization methods, time series, probability distributions, and statistical tests.

Also tightly integrated in the language is support for interactive visualizations of data and models, including finance-specific charts and indicators.

WHAT EXPERTS ARE SAYING

“Wolfram’s latest effort in bringing the ultimate computation environment to finance has made Wolfram Finance Platform the must-have modelling package for quants. This is why the Certificate in Quantitative Finance (CQF) provides all new delegates with full licenses to its core software.”

Dr. Randeep Gug
Head of CQF
**WHAT EXPERTS ARE SAYING**

“Wolfram Technologies provide extraordinary products that help us a lot with doing mathematics and number crunching big data sets. Beyond that, the new Wolfram Finance Platform with its embedded Bloomberg-Link opens a whole new universe of applications which are very valuable for us.”

Dr. Stefan Schneider  
Managing Director  
ICF Kursmakler AG
Wolfram Finance Platform at the Quiet Light Securities provides a complete environment for financial modeling and analysis, and dramatically reduces the time required to develop new trading strategies, back-test existing strategies, optimize trading parameters, model and manage volatility, perform financial risk analysis, and generate financial reports.

Dr. Stefan Schneider
Managing Director
ICF Kursmakler AG

Singh T. Junior
Quiet Light Trading

Computation-Driven Report Generation

Instantly create a user-driven report for data exploration.

Deploy a dynamic dashboard with live computation.

Empower the decision-making process with user-driven content. Broaden the information pipeline with computable and interactive reports. Deliver dynamic reports locally, over the web, or embed them in the production system.

Professional Resources

24/7 support, customizable training courses, and a direct contact channel to senior developers and consulting are included to maximize your productivity.

Learn from our trainers and developers in online and in-person courses. Onsite training can be customized to your specific needs.

The consulting time can be used to accelerate your projects with tasks such as optimizing code, converting legacy code, CUDA acceleration, or even kick-starting a new project. Access to technical support is available 24/7.

A direct contact channel with our senior developers will give you insider knowledge of how our technologies work and a chance to influence future development directions.

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Singh T. Junior
Quiet Light Trading
What’s New in Wolfram Finance Platform 2

Wolfram Finance Platform 2 adds major new areas—further expanding its unrivaled base of computational, knowledge, and interface capabilities.

Computation-Driven Report Generation
Instantly create a user-driven report for data exploration. Combine real-time data with live computation. Deploy a dynamic dashboard as a standalone app or over the web.

Comprehensive Random Processes
Wolfram Finance Platform provides cohesive and comprehensive random processes functionality. This generalized framework enables quantitative modelers to structure complex derivative models with ease.

Enhanced Graphs and Networks
Wolfram Finance Platform’s comprehensive graphs and networks capabilities offer a nontraditional approach to finance, delivering an intuitive insight to market data.

Integrated Signal Processing
Apply a new generation of signal processing and analysis to finance. Estimate the movement of equity prices, develop dynamic CAPM models, and more, using the built-in signal processing capabilities.

Advanced Calendar Operations
With a highly flexible system for handling dates and times built in, Wolfram Finance Platform enables you to easily find and align trading days from different exchanges and find business days in different countries.

Built-in Integration with R
Wolfram Finance Platform provides data integration and interactivity to work with your existing codebase. RLink offers seamless ways to integrate R code into your workflow.

Systemwide Support for Units
Wolfram Finance Platform has sophisticated physical quantities and a real-time currency units system that integrates seamlessly with computation and visualization.

Intelligent Dashboard with Gauge Control
Highly customizable interactive gauges convey spreadsheets’ worth of information with a single glance. Great for dashboards and reports, gauges can also be used as interactive controls for interfaces.
WHY WOLFRAM FINANCE PLATFORM?
Because principles matter.

Twenty years of building on bold design principles make Wolfram technologies the world’s ultimate computation platform, and these design principles allow for the continuous development of financial capabilities.

Automation
Automation is the key to productive computing. Unlike other systems, Wolfram Finance Platform applies intelligent automation in every part of the system, from algorithm selection to plot layout and user interface design.

Multiparadigm Language
Wolfram Finance Platform’s Wolfram Language™ stands out from traditional computer languages by simultaneously supporting many programming paradigms, such as procedural, functional, rule-based, pattern-based, object-oriented, and more.

Integrated All-in-One Platform
Wolfram Finance Platform requires no add-ons. It has built-in specialized functionality for many finance areas, from derivatives pricing to optimization, trading charts to statistical tests, all tightly integrated with the rest of the system.

Built-in Knowledge
Wolfram Finance Platform is unique among computation environments because it includes Wolfram|Alpha’s vast collection of carefully curated data of all kinds, continuously updated and expanded.

Hybrid Symbolic-Numeric Methodology
In Wolfram Finance Platform, symbolic and numerical computation are seamlessly integrated, enabling unique hybrid methods for many problems and ensuring consistent results whenever quantities of any precision are combined.

Document-Based Workflow
Wolfram Finance Platform does everything in a single workflow, keeping all elements of a project—calculations, visualizations, data, documentation, and even interactive applications—together, in uniquely flexible documents.

WHO USES WOLFRAM TECHNOLOGY IN FINANCE?

Millions of users from Fortune 500 companies to government departments to thousands of commercial organizations worldwide, including:

- UBS
- Barclays Capital
- RBS
- Aviva
- Credit Suisse
- Bank of England
- The Federal Reserve System
- BNP

Take a Free On-Demand Course
Get a quick introduction to Wolfram Language capabilities, an in-depth tour of the language, and much more

View Online Documentation
Find the complete up-to-date documentation of Wolfram Finance Platform functions and capabilities.

Get Help with Your Projects
Wolfram Finance Platform consultants and support staff bring technical skills and unmatched expertise to meet customer goals.

To request more information and learn more, visit: www.wolfram.com/finance-platform

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