PV-WAVE

PRODUCT BRIEF

Visual Data Analysis You Can Trust

Meet your data analysis requirements efficiently and accurately with PV-WAVE. Users can rapidly import, manipulate, and analyze data into visualizations for sharing across the enterprise. PV-WAVE is an array oriented fourth-generation programming language used to build and deploy VDA applications.

Complex Datasets

Rapid data analysis and visualization combined with flexibility and power make PV-WAVE the choice among experts. By increasing productivity, accelerating development, and illustrating key knowledge contained in data, PV-WAVE gives organizations across a wide range of industries a key competitive advantage.

Forecasting

PV-WAVE allows users to obtain data from multiple sources and offers many options to visualize data of all types: from simple to complex, from small to large datasets, and in standard or proprietary formats. PV-WAVE has multi-dimensional plots, interactive display, and sophisticated and accurate forecasting tools that offer visual images to bring data to life.

Performance Optimization

PV-WAVE utilizes OpenMP, along with an industry unique tuning technique that provides automatic thread control (ATC). ATC ensures optimal execution time performance by automatically setting the number of threads needed for each upcoming array operation.

Web-Based Applications

For web-based visual data analysis, JWAVE is the right tool for the job. JWAVE offers multiple graphics and visualization techniques so users can rapidly analyze, visualize, and share critical information across the enterprise, and across the world. JWAVE is based on a multi-tiered architecture that enables developers to easily create browser applications that use the power and flexibility of PV-WAVE for charting and data analysis and web user interfaces: HTML, Java, or JavaScript for the user interactions.

PV-WAVE Feature Availability

FEATURES	PV-WAVE FOUNDATION	PV-WAVE ADVANTAGE	PV-WAVE EXTREME ADVANTAGE
4GL scripting language	✔	✔	✔
Robust data I/O functions	✔	✔	✔
Flexible data manipulation	✔	✔	✔
Extensive graphing capabilities (plot, surface, histogram, contour)	✔	✔	✔
Eclipse plug-in for debugging	✔	✔	✔
JWAVE web interface tool		✔	✔
IMSL C Math Library		✔	✔
IMSL C Stat Library		✔	✔
Advanced image processing			✔
Advanced signal processing			✔

Add-ons to PV-WAVE offer additional specialized functionality — database connections for ODBC, Oracle, and Sybase, and GTGRID for advanced gridding capabilities.

Learn more about PV-WAVE: www.roguewave.com/pv-wave