Visual Numerics®

EDUCATION

Advanced Analytical and Visualization Software for Students Studying Science, Engineering, or Business

VISUAL NUMERICS HAS BEEN PROVIDING NUMERICAL ANALYSIS SOFTWARE, WRITTEN IN C/C++, C# FOR .NET, JAVA™ AND FORTRAN, AS WELL AS VISUALIZATION TOOLS TO EDUCATIONAL INSTITUTIONS FOR WELL OVER THREE DECADES. EDUCATIONAL CUSTOMERS TRUST VISUAL NUMERICS TO DELIVER THE TOOLS THEY NEED TO CONDUCT CRITICAL RESEARCH AND BUILD LEADING EDGE CURRICULA FOR STUDENTS.

"I decided to use PV-WAVE with my teaching because it allows me to display 3-D surfaces and volume imaging. It is even helpful to one of my students, who uses PV-WAVE for his classroom homework."

DR. ABRAHAM GRADER
ASSOCIATE PROFESSOR
PENNSYLVANIA STATE UNIVERSITY

Products in Education

Visual Numerics' presence in Education is broad reaching with an extensive list of Educational customers worldwide and over three decades of service to this market. Visual Numerics provides two product lines for Education, the IMSL™ Numerical Libraries for robust analytics and PV-WAVE® for simple to sophisticated data visualization.

The industry-standard IMSL Libraries have been the cornerstone for mathematical and statistical study in academic institutions for over three decades. Written in C/C++, C# for .NET, Java™ and Fortran, they have been the building blocks for educational research and facilitating the understanding of mathematical and statistical principles through a wide variety of practical applications within a classroom environment.

In addition to its analytical libraries, Visual Numerics has been providing visualization tools to academia for many years. The PV-WAVE family of products provides a development environment for high-end visualization and in-depth analysis of large datasets of any kind.

Licensing Options

SITE LICENSES

- Designed for those colleges and universities that require campus-wide access to Visual Numerics' software
- Provides unlimited use for an entire campus
- Ideal for institutions that use data analysis and/or visualization software across their campus network

DEPARTMENT LICENSES

- Limited to particular department(s) within a university or college
- Unlimited use of the purchased software packages for specific departments

SUPPORT AND MAINTENANCE

Both the Site and Departmental Annual Licenses include Visual Numerics' Support and Software Update Subscription Service (SUSS). The SUSS program is one of the most comprehensive software maintenance plans in the industry and provides extensive coverage that goes beyond the basic warranty.

Pricing

Visual Numerics offers special licensing options to most colleges and universities across the globe. The company offers discounted pricing through special licensing options to degree granting institutions.

"The IMSL Fortran Library is extremely robust. It has a broad base of routines that are very useful in my work and it is easy to use. It allows you to extend subroutines for more complex problem solving. The students don't have to spend time building code; they just have to learn how to apply it to their problems. This saves a lot of unnecessary and complex programming so they can learn other things."

DON BAIRD
PROFESSOR OF CHEMICAL ENGINEERING
VIRGINIA TECH

In addition, qualified students can purchase versions of PV-WAVE, the IMSL C Library, IMSL C# Library, JMSL™ Library or IMSL Fortran Library for special Student Edition pricing. Unlike most student offerings, Visual Numerics is pleased to offer fully-functional versions of select products to students in most countries throughout the world.

KNOWLEDGE IN MOTION™

First introduced featuring the JMSL Library for Java applications, the Knowledge in Motion™ education program has been expanded to include a broader selection of Visual Numerics' products. Professors can now choose from the PV-WAVE visual data analysis development environment, the JMSL Library for Java applications, the IMSL C# Library for .NET applications, or the IMSL C Library for use in the classroom.

Visual Numerics' products provide mathematical, statistical and visual insight, quickly and effectively, to open up new learning environments for professors and students. These products provide the ability to build powerful analytical applications through the use of advanced computational and visualization technology while allowing collaboration across the organization. The IMSL Libraries allow greater learning of mathematical and statistical analysis through the most robust set of computational algorithms available today for a variety of programming environments, including .NET and Java. PV-WAVE provides valuable insight into complex multi-dimensional data sets through its extensive visualization capabilities.

Professors of accredited universities or colleges who plan to use one of these Visual Numerics products as part of a course offering are welcome to apply to become a member of the Knowledge in Motion Program. As a member, you will receive:

- Free personal use license for course development for the product of your choice
- Complete set of the product documentation
- Product support
- Discount on purchases of other Visual Numerics' products for your personal use
- Free registration for Visual Numerics' product web seminars
- Dedicated point of contact for joining the Knowledge in Motion Education Program

To learn more about the Knowledge in Motion Program, please go to
www.vni.com/solutions/education/programs.html

How We Can Help

Our services in Education allow institutions to support interactive and hands-on teaching and learning environments, capitalize on research and development and provide a foundation for students to accelerate their careers. Visual Numerics wants to help academic institutions to rapidly get students up to speed, facilitate new idea generation, promote inter-university collaboration, and help professors develop state-of-the-art programs for their area of expertise.

Visual Numerics®

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