Subject: PV-WAVE 7.5 is now available

Posted by Margaret Journey on Sun, 05 Aug 2001 22:48:23 GMT

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PV-WAVE 7.5 is now available!

 Get more information on PV-WAVE at www.vni.com/news

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Visual Numerics Inc. is proud to announce the release of the new and

improved PV-WAVE 7.5 for desktop visualization

and making rapid prototyping and developing even easier.

financial problems and to perform Monte Carlo simulations.

Among PV-WAVE's most significant new features for existing customers and new
customers alike are the updated IMSL Mathematics functions as well as Open
GL support via VTK. The integration of the recently released revision 5.0
of the IMSL C Numerical Library improves the PV-WAVE family by providing:

tracking (aircraft, spacecraft, missiles), geology, oceanography, fluid
dynamics, steel/paper/power industries, and demographic estimation.

functions are intended to help brokerage firms or insurance companies, for
example, perform financial modeling to analyze various risk factors
associated with their business. Included are routines for calculating
depreciation of assets, internal rates of return, bond amortization, and net
present values.

which are valuable in Monte Carlo simulations.

high-dimension quadrature arises in some financial optimization applications. This offers a much more efficient and robust approach than previously available in CNL.

PV-WAVE 7.5 delivers high-level 3D interactive visualization techniques using OpenGL. Included are more than two dozen new functions that allow access to Kitware's VTK, both at a high-level for ease-of-use, and through low-level routines that facilitate the creation of more complex, specialized visualizations. With this release, PV-WAVE will provide the high-level 3D interactive visualization techniques commonly associated with OpenGL without burdening its users with having to learn hundreds of low-level commands. The integration of VTK into PV-WAVE provided the optimum solution. PV-WAVE users are now able to produce accelerated graphics in their applications without learning a new programming paradigm or understanding the intricacies of OpenGL. The new plotting functions are very similar to the existing PV-WAVE 2D and 3D plotting functions. This new functionality will provide users all of the benefits of the VTK toolkit such as:

vector, tensor, texture and volumetric methods

implicit modeling, cutting planes, swept surfaces, hedgehogs, glyphs, texture mapping, clipping transparency, and Delaunay triangulation

algorithms and data.

PV-WAVE - helping customers solve complex problems

PV-WAVE is an easy-to-use analysis and visualization environment that enables engineers, scientists, researchers, and business analysts to understand complex datasets and rapidly build visual data analysis applications to solve complex problems.

PV-WAVE delivers

analysis

What our customers are saying about PV-WAVE

"Visual Numerics provides an essential product for organizations with robust data visualization needs... Couple that with a product support group that is always knowledgeable and diligent in answering my questions, and you've got a very valuable vendor partner."

Dave Klender, Software Engineer

Pegasus Technologies, Inc.

Learn more about other companies who use PV-WAVE at www.vni.com/news <http://www.vni.com/news