

AccelerEyes announces Jacket v1.0 for MATLAB® on the GPU

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FOR IMMEDIATE RELEASE:

ATLANTA, GA—JANUARY 26, 2008— AccelerEyes is pleased to announce the release of Jacket v1.0 – the GPU engine for MATLAB®. This first commercial release marks the end of a 7 month beta release cycle.

Thanks in large measure to the support we have received from Jacket’s beta users, Jacket has continually improved and now supports a large number of MATLAB functions, each offering great speed benefits to MATLAB users. Jacket has also benefitted from the addition of the Graphics Toolbox for improved visualizations.

In this newer version of Jacket are the following enhancements:

Additions:

- gfor: simultaneous for-loops on the GPU
- trace saving: avoid runtime kernel compilations with this new feature
- convn: for 3x3x3 kernels and 3D volumes
- fftshift/iftftshift is now supported
- interp2 is now supported
- subscripting on logical data
- a new FDTD example (used in electromagnetics and seismic applications)
- a new Monte-Carlo integration simulation example with gfor
- new gfor examples demonstrating matrix multiplication and FFT computations

Changes:

- ginfo reports memory as: CPU-used, GPU-used, GPU-free
- bug fix: fftn/iftftn memory bug
- bug fix: graphics on Mac OSX
- bug fix: transpose now works on all datatypes (inc. logicals)
- bug fix: improved graphics stability
- bug fix: improved system error catching

Since all Jacket users are MATLAB users, we have tried to make the licensing and pricing model as similar as possible to the MATLAB licensing model. We hope that this will make purchasing and maintenance easy for our customers.

All licenses are perpetual (i.e. they never expire) and are for use on a single PC or workstation. For group licenses (in excess of 10), please contact us directly for a quote. All licenses include free forum support, with bug submission. A phone support upgrade is available. An upgrade to use many GPUs in a single system is also offered.

Four tiers of pricing are available, based on customer type:

1. *Individual/Commercial* - This is the standard Jacket price.
2. *Government/Research* - Discounted rate for organizations that rely on direct government funding or grants as their sole source of revenue.
3. *Academic* - Heavily discounted rate for organizations which are training students. We view this as an investment in the future.
4. *Student* - Rate for students who do not have access to regular academic licenses and wish to pay for Jacket out of their own pocket.

We look forward to hearing your feedback on the Jacket forums (<http://www.accelereyes.com/forums>) and look forward to continually upgrading Jacket to meet your needs.

About AccelerEyes

Founded in 2007, and located in Atlanta, Georgia, AccelerEyes is leading the software-side of the movement towards visual computing. AccelerEyes' products bring a level of supercomputing power to standard personal computers.

In order for high performance computing (HPC) companies to adopt GPU technologies, a robust and healthy software tool chain must be created to connect programmers to GPU hardware. While hardware manufacturers are building lower-level software tools, such as CUDA, which support their devices, AccelerEyes delivers high-level interfaces which remove the lower-level complexity.

AccelerEyes' first product, Jacket, is used by customers across all major HPC industries, such as the automotive, financial, medical, and seismic industries. Further, Jacket's Graphics Toolbox enables true Visual Computing, seamlessly merging the compute power of CUDA with OpenGL visualizations. AccelerEyes plans to adapt and expand Jacket for other hardware and software platforms.

AccelerEyes is a division of DivEyes, an Atlanta incubator for Digital Imaging and Vision Solutions.

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