Subject: Re: GPULib 1.6 released
Posted by Michael Galloy on Thu, 02 May 2013 04:13:45 GMT
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On 5/1/13 4:42 pm, Michael Galloy wrote:
> Tech-X is proud to announce the release of GPULib 1.6! Download from:
>
> http://www.txcorp.com/gpulib-membership-plans

Download link is now:

http://www.txcorp.com/get-gpulib-software

Mike
--
Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)
Research Mathematician
Tech-X Corporation

Subject: Re: GPULib 1.6 released
Posted by markb77 on Thu, 02 May 2013 09:53:42 GMT
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This looks great. Last year at the AGU you presented a poster on GPU accelerated curve fitting. Are these accelerated curve fitting routines included in the new release?

thanks,
Mark

Subject: Re: GPULib 1.6 released
Posted by Michael Galloy on Thu, 02 May 2013 17:46:58 GMT
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On 5/2/13 3:53 AM, superchromix wrote:
>
> This looks great. Last year at the AGU you presented a poster on GPU
> accelerated curve fitting. Are these accelerated curve fitting
> routines included in the new release?

The linear algebra library routines we will need for a full GPU solution are there, i.e., GPU accelerated LAPACK routines, but not an end-to-end curve fitting solution yet.

As part of that work on the poster last year, I was able to do GPU accelerated function evaluation and get a decent speed up (about 6x) for fitting. Depending on your fitting function, this might be a good solution.

Mike
--
Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)
Research Mathematician
Tech-X Corporation

Subject: Re: GPULib 1.6 released
Posted by dg86 on Sat, 04 May 2013 16:26:35 GMT
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I just wanted to thank you and TechX for making a free version of GPULib available. Installing the latest version was extremely easy on my MacBook Pro (IDL 8.2.2), and it worked flawlessly out of the box. I particularly like that GPULib offers a layered implementation, providing access to very IDL-like syntax at the highest level and very high-performance functionality for people who are willing to look under the hood.

All the best,

David
