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Subject: Re: GPULIB

Posted by [Rick Towler](#) on Fri, 27 Jun 2008 22:34:28 GMT

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biophys wrote:

> Very nice! More than 80 fold boost in speed.

Take those numbers with a shaker of salt. As with all benchmarks performance depends on the application. Mort's numbers are probably single precision (I think DP is only supported on the 9XXX series cards and newer?) and that problem set fit entirely in his card's local memory. Performance also depends on your GPU's local bandwidth, the number of shader units (aka "stream processors"), and the shader clock, all of which can vary quite a bit between cards.

I'm not dismissing GPULIB in any way. Quite the opposite. I think it is fabulous that Tech-X has made this available and I am quite disappointed that I am not modeling these days as I would be all over it. I just wouldn't tell your boss that you can save her tens of thousands of dollars on that new compute cluster just yet...

-Rick

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