Subject: Re: Generating N random numbers that add to a TOTAL
Posted by markb77 on Thu, 14 Aug 2014 10:10:10 GMT
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On Wednesday, August 13, 2014 10:37:00 PM UTC+2, Mike Galloy wrote:
> On 8/13/14, 1:43 AM, superchromix wrote:
>
>> On Tuesday, August 12, 2014 11:18:44 PM UTC+2, Mike Galloy wrote:
>
>>> On 8/11/14, 4:37 PM, superchromix wrote:
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>
>>>> A while back you were working on some Levenberg-Marquardt curve
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>>>
>
>>>> fitting examples using GPULIB. Are those ready to be made
>
>>>> public?
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>
>>> Not yet. I hope to have a summer release to update IDL/CUDA and a
>
>>> few
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>
>>> bug fixes, but I'm not sure if the curve fitting stuff will get in
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>>> there
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>>> as well.
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>>> Mike

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>>> --
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>
>>> Michael Galloy
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>
>>> www.michaelgalloy.com
>
>>>
>
>>> Modern IDL: A Guide to IDL Programming
>
>>> (http://modernidl.idldev.com)
>
>>>
>
>>> Research Mathematician
>
>>>
>
>>> Tech-X Corporation
>
>>
>
>> ok, thanks for the update.
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>
>> have you seen this? It claims to be a CUDA implementation of MPfit:
>
>>
>
>> Zhu X, Zhang D (2013) Efficient Parallel Levenberg-Marquardt Model
>
>> Fitting towards Real-Time Automated Parametric Imaging Microscopy.
>
>> PLoS ONE 8(10): e76665. doi:10.1371/journal.pone.0076665
>
>>
>
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>
> Yes, but I am hoping to keep the implementation as "IDL native" as

> possible for more flexibility. Craig's MPFIT is a cited reference for
> this paper.
>
>
> Mike
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> --
>
> Michael Galloy
>
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I wonder... how easy / difficult it would be to take their CUDA code and run it with GPUlib as a "custom kernel" ?
