Subject: Re: Generating N random numbers that add to a TOTAL
Posted by Michael Galloy on Wed, 13 Aug 2014 20:37:00 GMT
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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:
>>
>>> A while back you were working on some Levenberg-Marquardt curve
>>
>>> fitting examples using GPULIB. Are those ready to be made
>>> public?
>>
>>
>>
>> Not yet. I hope to have a summer release to update IDL/CUDA and a
>> few
>>
>> bug fixes, but I'm not sure if the curve fitting stuff will get in
>> there
>>
>> as well.
>>
>>
>>
>> Mike
>>
>> --
>>
>> Michael Galloy
>>
>> www.michaelgalloy.com
>>
>> Modern IDL: A Guide to IDL Programming
>> (http://modernidl.idldev.com)
>>
>> Research Mathematician
>>
>> Tech-X Corporation
>
> ok, thanks for the update.
>
> 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
>

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