Subject: Re: How to average every nth data?
Posted by beardown911 on Thu, 04 Nov 2010 20:13:18 GMT
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On Nov 4, 2:24 pm, Bennett <juggernau...@gmail.com> wrote:
> On Nov 4, 1:53 pm, go cats <beardown...@gmail.com> wrote:
>
>
>
>
>
>> Dear Gurus,
>
>> Hope someone will help me how to figure this out.
>> I've been keep trying to do some spectral resampling (just simple
>> average) with ASD data.
>> ASD data is a two dimensional array;
>
>> wavelength   data
>> 350   0.001146
>> 351   0.001176
>> 352   0.001147
>>   .   .
>>   .   .
>>   .   .
>> 2500   0.0004311
>
>> What I've been trying to do is averaging every nth data values and
>> rewrite into a new array.
>> For example, if I want to average every 3rd data values, the resulting
>> array will be
>
>> 350   0.001150
>> 353   0.001147
>> and so on.
>
>> MS excel seems to be able to handle it, but it wouldn't be a good idea
>> for processing several hundres files.
>
>> I really appreciate if someone could give me tip(s).
>
>> Thanks,
>> Kim
>
> You can also do something like this.
> x = indgen(50)
> mean_1 = mean(x)
> mean_2 = mean(x[0:*:2])

> mean_3 = mean(x[0:*:3])
>
> The third element in your indexing indicates a skipping parameter.- Hide quoted text -
>
> - Show quoted text -

Bennet,

Thanks for the tips.

Kim