Subject: Re: Plot difference
Posted by Jeremy Bailin on Thu, 30 Apr 2009 21:54:47 GMT
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On Apr 30, 5:24 pm, Paolo <pgri...@gmail.com> wrote:
> On Apr 27, 3:32 pm, Giorgio <giorgiol...@gmail.com> wrote:
>
>
>
>> Hi,
>> From 10 measurements of a CCD camera with a size of (1293 x 840)
>> points I calculate the mean and the standard deviation. I get
>> different plots if I plot just the 2D data or if I rebin to make a 1D
>> vector.
>> Let's say that my 2D arrays for the mean is called average and the
>> standard deviation is standard. Then the results are different if I
>> do:
>
>> plot, average, standard, psym = 4
>
>> and
>
>> plot, rebin(average, N_Elements(average)), rebin(standard, n_elements
>> (standard)), psym = 4
>
>> Any hint why is that?
>
> I don't understand what the problem is.
>
> a=randomn(seed,100000L) & print,total(abs(a-rebin(a,n_elements(a))))
> shows that a and rebin(a,n_elements(a)) are identical (as they should
> be).
>
> Ciao,
> Paolo
>
>
>
>> Thanks,
>
>> Giorgio
>
>

OP said it's a 2D array...

IDL> seed=43l
IDL> a = randomn(seed,100l,100l)

```
IDL> b = rebin(a,n_elements(a))
IDL> print, a[0:5]
   -0.908351    -0.440050    -0.200080    -0.260391     0.113894
-0.456169
IDL> print, b[0:5]
   -0.204416    -0.201433    -0.198449    -0.195465    -0.192481
-0.189497
```

-Jeremy.
