
Subject: Re: mean() function

Posted by [Paul Van Delst\[1\]](#) on Tue, 10 Jan 2006 23:09:02 GMT

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Fiç½LDY Lajos wrote:

> Hi,
>
> have you tried mean(y,/double)?

Even regular old single worked for me:

```
IDL> y = fltarr(1008879)+35
IDL> id = where(y ne 35, cc)
IDL> print, cc
      0
IDL> print, mean(y)
% Compiled module: MEAN.
% Compiled module: MOMENT.
      35.0000
IDL> print, mean(y[0:400000])
      35.0000
```

Maybe it's version related? I noticed that biocpu used () rather than [] for array indexing. Maybe an earlier version of IDL had a MEAN() function that didn't use a compensated summation algorithm? The OP mean from 0->400000 that worked suggests that's not the case, but who knows? Anyway....

```
IDL> print, !version
{ x86 linux unix linux 6.0.3 Feb 26 2004    32    64}
```

paulv

```
>
> regards,
> lajos
>
>
> On Tue, 10 Jan 2006 biocpu@yahoo.com wrote:
>
>
>> The following looks very odd. Have any clues?
>>
>> IDL> y = fltarr(1008879)+35
>> IDL> id = where(y ne 35, cc)
>> IDL> print, cc
>>      0
>> ; so y is strictly 35.0 BUT
```

```
>> IDL> print, mean(y)
>> 35.5249
>>
>> IDL> print, mean(y(0:400000))
>> 35.0000
>>
>> Thanks,
>>
>>
```

--

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