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Subject: Re: double precision?

Posted by [adisn123](#) on Mon, 14 Aug 2006 16:45:45 GMT

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Thanks it's working.

Chris Torrence wrote:

> You still need the "d" after the number, to make sure it is double

> precision:

>

> IDL> a = 1.24500000476837d

>

> IDL> print,a,format='(f25.16)'

>

> 1.2450000047683700

>

> -Chris

>

>

>

> <[adisn123@yahoo.com](mailto:adisn123@yahoo.com)> wrote in message

> news:1155323735.947393.276430@m73g2000cwg.googlegroups.com.. .

>> I tried your way, but IDL prints

>>

>> IDL> a = 1.24500000476837

>> IDL> print,a,format='(f50.25)'

>> 1.2450000047683715820312500

>> IDL>

>>

>> Furthermore, the variable a is constantly used throughout the whole

>> program.

>> Is there a way that all the other calculation use the same a and makes

>> output in the same

>> decimal points?

>>

>>

>>

>> R.G. Stockwell wrote:

>>> <[adisn123@yahoo.com](mailto:adisn123@yahoo.com)> wrote in message

>>> news:1155241088.452911.315540@i3g2000cwg.googlegroups.com...

>>>> Hi,

>>>>

>>>> The value that I want to keep in a variable, a, is

>>>> 1.24500000476837.

>>>> After I define as

>>>> IDL> a = 1.24500000476837

>>>> then, print, a

```
>>>> IDL> print, a
>>>> IDL> 1.2450000
>>>> so, I tried
>>>> IDL> a = 1.24500000476837d ;; to make it as a double precision, but
>>>> IDL prints
>>>> IDL> help, a
>>>> A          DOUBLE   =    1.2450000
>>>> IDL> print, a
>>>>    1.2450000
>>>>
>>>>
>>>> How can I keep all those decimal points?
>>>> I thought double precision can express up to 14 decimal places of
>>>> significant points?
>>>
>>>
>>> Try
>>> IDL> print,a,format='(f50.25)'
>>> 1.2450000047683700000000000000
>>>
>>> Cheers,
>>> bob
>>
```

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