
Subject: Re: format questions

Posted by [lee](#) on Fri, 01 Dec 2006 19:25:30 GMT

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Thank you very much for your quick response, David. Even I added format, the number changed a little bit (see below). How to get it exactly right? Your website is so helpful and thank you very much!

```
> print, mx, FORMAT='(D20.10)'
598594.3750000000
(the original number is 598594.350000000)
```

David Fanning wrote:

> lee writes:

>

>> ## Question : print out is different from the original file!!!!!!,

>> why?????

>> IDL> print, mx

>> 598594.

>> IDL> print, double(mx)

>> 598594.38

>> IDL> print, double(my)

>> 6738650.0

>

> Because you are not using a FORMAT that delivers enough
> accuracy. See the following article, about in the middle:

>

> http://www.dfanning.com/math_tips/sky_is_falling.html

>

> Something like:

>

> IDL> Print, mx, FORMAT='(D20.10)'

>

> Cheers,

>

> David

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
