
Subject: Re: rounding

Posted by [Craig Markwardt](#) on Wed, 04 Sep 2002 14:45:00 GMT

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Amar Nayegandhi <anayegan@csee.usf.edu> writes:

```
> Hi,  
> IDL seems to round off large decimal numbers. For e.g.,  
> IDL> x = 284.766117  
> IDL> print, format='(I11)',x*1000000L  
> 284766112  
>  
> IDL> x = 284.766119  
> IDL> print, format='(I11)',x*1000000L  
> 284766112  
>  
> Is there any way around this?
```

Yes, use double precision.

```
x = 284.766117D
```

Of course, that only gets you out to 17 digits of precision or so.
Normal FLOATs keep about 7 digits.

Craig

--

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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
