
Subject: Re: Floats

Posted by [R.Bauer](#) on Sat, 11 Mar 2006 12:08:54 GMT

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Sheldon wrote:

> Hello,
>
> Here is a silly question: Can I define a float array and control how
> many decimal places are kept? For example, I want all values to only
> have an accuracy to the nearest 100th (20.15 and not 20.154983445).
> Kind of like in printing, you know, the f5.2 print definition, but only
> for variables and arrays.
>
> Thanks,
> Sheldon
>

Hi Sheldon

we do this this way

```
IDL> array = RandomU(-3L, 4, 5)
```

```
IDL> print,array
```

```
  0.897916  0.558249  0.766930  0.589101  
  0.0603181  0.973112  0.0378892  0.218058  
  0.142394  0.984703  0.894904  0.947651  
  0.804079  0.160385  0.208246  0.818130  
  0.103716  0.741117  0.0134482  0.0960160
```

```
IDL> array=float(string(array,format='(F7.2)'))
```

```
IDL> print,array
```

```
  0.900000  0.560000  0.770000  0.590000  0.0600000  
0.970000  0.0400000  0.220000  
  0.140000  0.980000  0.890000  0.950000  0.800000  
0.160000  0.210000  0.820000  
  0.100000  0.740000  0.01000000  0.100000
```

cheers

Reimar

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