
Subject: Re: FOR statement

Posted by [Paul van Delst](#) on Thu, 12 Apr 2001 15:57:26 GMT

[View Forum Message](#) <> [Reply to Message](#)

Eli Beckerman wrote:

```
>
> Hey,
>
> I just tried running a FOR loop in the hopes
> of incrementing the variable "i" by steps of 0.25 as follows:
>
> radius=fltarr(1000)
> FOR i=0.0, 100.0, 0.25 DO BEGIN
>
>   radius(i)=i
>
> ENDFOR
>
> And what I end up with is an array that starts
> with the value 0.75 and is incremented by steps of 1.
>
> I'm following the convention of the FOR statement as
> presented in IDL's online help. What am I doing wrong?!
```

Try

```
i=-1L
FOR xi=0.0, 100.0, 0.25 DO BEGIN & i=i+1L & radius(i)=xi & endfor
```

```
IDL> print, radius[0:10]
  0.00000  0.250000  0.500000  0.750000  1.00000  1.25000
1.50000
  1.75000  2.00000  2.25000  2.50000
```

using i as the array subscript must be converting it to an integer type and screwing stuff up somehow.

Using loop indices like this should be discouraged, I reckon.

paulv

--

```
Paul van Delst      A little learning is a dangerous thing;
CIMSS @ NOAA/NCEP  Drink deep, or taste not the Pierian spring;
Ph: (301)763-8000 x7274 There shallow draughts intoxicate the brain,
Fax:(301)763-8545   And drinking largely sobers us again.
paul.vandelst@noaa.gov      Alexander Pope.
```
