
Subject: "gridPositions" not work correct with "Z" device?

Posted by [Dave\[4\]](#) on Thu, 23 Jun 2011 16:51:07 GMT

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Hi, David:

I use the "GridPositions" function with the following code. Why every time I

call the "GridPositions", I got a different results and the plot regions get smaller.

```
IDL> set_plot,'Z'
```

```
IDL> print,gridPositions(3, 3, XEXTENT=[0.01, 0.99],  
YEXTENT=[0.08,0.92], XMARGIN=0.001, YMARGIN=0.001)
```

```
% Compiled module: GRIDPOSITIONS.
```

```
0.0100112  0.640017  0.317916  0.894992  
0.336678  0.640017  0.644582  0.894992  
0.663345  0.640017  0.971249  0.894992  
0.0100112  0.360017  0.317916  0.614992  
0.336678  0.360017  0.644582  0.614992  
0.663345  0.360017  0.971249  0.614992  
0.0100112  0.0800167  0.317916  0.334992  
0.336678  0.0800167  0.644582  0.334992  
0.663345  0.0800167  0.971249  0.334992
```

```
IDL> print,gridPositions(3, 3, XEXTENT=[0.01, 0.99],  
YEXTENT=[0.08,0.92], XMARGIN=0.001, YMARGIN=0.001)
```

```
0.0100113  0.640019  0.317518  0.890182  
0.336678  0.640019  0.644185  0.890182  
0.663345  0.640019  0.970852  0.890182  
0.0100113  0.360019  0.317518  0.610182  
0.336678  0.360019  0.644185  0.610182  
0.663345  0.360019  0.970852  0.610182  
0.0100113  0.0800191  0.317518  0.330182  
0.336678  0.0800191  0.644185  0.330182  
0.663345  0.0800191  0.970852  0.330182
```

```
IDL> print,gridPositions(3, 3, XEXTENT=[0.01, 0.99],  
YEXTENT=[0.08,0.92], XMARGIN=0.001, YMARGIN=0.001)
```

```
0.0100114  0.640022  0.317104  0.884386  
0.336678  0.640022  0.643771  0.884386  
0.663345  0.640022  0.970438  0.884386  
0.0100114  0.360022  0.317104  0.604386  
0.336678  0.360022  0.643771  0.604386  
0.663345  0.360022  0.970438  0.604386  
0.0100114  0.0800220  0.317104  0.324386  
0.336678  0.0800220  0.643771  0.324386  
0.663345  0.0800220  0.970438  0.324386
```

Subject: Re: "gridPositions" not work correct with "Z" device?
Posted by [David Fanning](#) on Sat, 25 Jun 2011 14:32:41 GMT
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Dave writes:

> I use the "GridPositions" function with the following code. Why
> every time I
> call the "GridPositions", I got a different results and the plot
> regions get smaller.

Yes, this was a bug. Fixed now:

<http://www.idlcoyote.com/programs/gridpositions.pro>

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thue. ("Perhaps thos speakest truth.")
