
Subject: cgscatter2d.pro 'keyword parameters not allowed to call' error

Posted by [wdolan](#) on Tue, 04 Aug 2015 21:02:56 GMT

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

So I'm trying to plot a scatterplot, with the best fit line, and r^2 values on it.

```
x=jacobian_pack(7,*); a double array [1,401]
y=btstruc.btresidual(*, rnscale(j)) ;a float array[401]
```

```
cgscatter2d, x, y, psym=1
```

and then the graph pops up, looking pretty good, except it doesn't have the best fit line or the r^2 value, and another window pops up saying:

"CGSCATTER2D----> Keyword parameters not allowed in call."

What am I doing wrong here? Do they both need to be float arrays, or should that not be an issue?

Thanks!

Subject: Re: cgscatter2d.pro 'keyword parameters not allowed to call' error

Posted by [wdolan](#) on Tue, 04 Aug 2015 21:10:09 GMT

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

I also just tried converting the y variable into double, and still got the same error. I've used cg functions before, and had no issues, so I think it is installed correctly.

On Tuesday, August 4, 2015 at 2:02:58 PM UTC-7, Wayana Dolan wrote:

> So I'm trying to plot a scatterplot, with the best fit line, and r^2 values on it.

>

> x=jacobian_pack(7,*); a double array [1,401]

> y=btstruc.btresidual(*, rnscale(j)) ;a float array[401]

>

> cgscatter2d, x, y, psym=1

>

> and then the graph pops up, looking pretty good, except it doesn't have the best fit line or the r^2 value, and another window pops up saying:

>

> "CGSCATTER2D----> Keyword parameters not allowed in call."

>

> What am I doing wrong here? Do they both need to be float arrays, or should that not be an issue?

>

> Thanks!

Subject: Re: cgscatter2d.pro 'keyword parameters not allowed to call' error
Posted by [wlandsman](#) on Wed, 05 Aug 2015 01:14:09 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Tuesday, August 4, 2015 at 5:10:12 PM UTC-4, Wayana Dolan wrote:

>> What am I doing wrong here? Do they both need to be float arrays, or should that not be an issue?

When you get the "Keyword parameters not allowed in call" it means that your setup is incorrect -- most likely because you have an obsolete CG procedure in your !path (or in your current directory). You should get a traceback message along with the error, something like

Traceback Report from CGSCATTER2D:

```
% Keyword parameters not allowed in call.  
% Execution halted at: CGSCATTER2D      501 /Users/wlandsma/pro/coyote/cgscatter2d.pro
```

which gives the line number where the error occurred. Look at that line to find the offending procedure being called.

Then follow step 4 of http://www.idlcoyote.com/code_tips/fixcoyoteprogram.php to find the obsolete procedure, e.g. to check on cgsetcolorstate.pro

```
IDL> print,file_which('cgsetcolorstate.pro')
```

(I actually prefer to use <http://idlastro.gsfc.nasa.gov/ftp/pro/misc/findpro.pro> which gives *all* versions of a procedure in one's !PATH -- with the first one being the one that is used, e.g.

```
IDL> findpro,'cgsetcolorstate' --Wayne
```
