
Subject: multiple legend

Posted by [abc](#) on Mon, 16 May 2011 14:51:32 GMT

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Dear all,

I am using IDL to make plots. As I am over-plotting the symbols on the line and I want to make legend for both of them with the same color as they are appearing in the plot. Here is my small program but when i run that program it overwrite the previous legend. i don't know how to show both the legend in a single plot.

```
cgPlot,A,B,color='red',linestyle=0,background='white', $
xtit='A', ytit='B'
lines=0
items='A'
colors = cgcolor('red')
al_legend,items, linestyle=0,/right, /top,color=colors
cgplot, A,C,psym=2,color='green',SYMSIZE=2,/overplot
psym=2
items='C'
colors = cgcolor('green')
al_legend,items, linestyle=0,psym=7,/right, /top,color=colors
```

Thanks in advance

Subject: Re: multiple legend

Posted by [wlandsman](#) on Mon, 16 May 2011 15:13:40 GMT

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I think you can use a single call to al_legend, e.g.

```
cgPlot,A,B,color='red',linestyle=0,background='white', xtit='A', ytit='B'
cgplot, A,C,psym=2,color='green',SYMSIZE=2,/overplot
al_legend,['A','C'], linestyle=0,psym=[0,2],/right, /top,color=['red','green']
```

Subject: Re: multiple legend

Posted by [David Fanning](#) on Mon, 16 May 2011 15:59:28 GMT

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abc writes:

```
> I am using IDL to make plots. As I am over-plotting
> the symbols on the line and I want to make legend for both of them
> with the same color as they are appearing in the plot. Here is my
> small program but when i run that program it overwrite the previous
```

> legend. i don't know how to show both the legend in a single plot.

Oddly enough, I just posted an article moments ago on this very topic!

http://www.idlcoyote.com/cg_tips/al_legend.php

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: multiple legend

Posted by [Jeremy Bailin](#) on Mon, 16 May 2011 18:45:06 GMT

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David,

"GSC" -> "CGS" (I'm assuming) in that article. :-)=

-Jeremy.

Subject: Re: multiple legend

Posted by [David Fanning](#) on Mon, 16 May 2011 19:01:07 GMT

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Jeremy Bailin writes:

> "GSC" -> "CGS" (I'm assuming) in that article. :-)=

Oh, my gosh, it's getting worse! :-(

Thanks!

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: multiple legend
Posted by [abc](#) on Mon, 16 May 2011 19:26:37 GMT
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On May 16, 5:59 pm, David Fanning <n...@idlcoyote.com> wrote:

> abc writes:

>> I am using IDL to make plots. As I am over-plotting
>> the symbols on the line and I want to make legend for both of them
>> with the same color as they are appearing in the plot. Here is my
>> small program but when i run that program it overwrite the previous
>> legend. i don't know how to show both the legend in a single plot.

>

> Oddly enough, I just posted an article moments ago on
> this very topic!

>

> http://www.idlcoyote.com/cg_tips/al_legend.php

>

> Cheers,

>

> David

>

> --

> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.idlcoyote.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Respected Sir,

Thanks a lot for the article. It works now.

Subject: Re: multiple legend
Posted by [abc](#) on Mon, 16 May 2011 19:27:27 GMT
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On May 16, 5:13 pm, wlandsman <wlands...@gmail.com> wrote:

> I think you can use a single call to al_legend, e.g.

>

> cgPlot,A,B,color='red',linestyle=0,background='white', xtit='A', ytit='B'

```
> cgplot, A,C,psym=2,color='green',SYMSIZE=2,/overplot
> al_legend,['A','C'], linestyle=0,psym=[0,2],/right, /top,color=['red','green']
```

Dear,

Thanks a lot for your help, it works now
cheers !!!

Subject: Re: multiple legend

Posted by [David Fanning](#) on Mon, 16 May 2011 19:50:07 GMT

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abc writes:

```
> Respected Sir,
> Thanks a lot for the article. It works now.
```

Think of all that work I've done cultivating
the Coyote brand. All for naught. He sees
right through me. :-(

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: multiple legend

Posted by [Brian Wolven](#) on Tue, 17 May 2011 02:03:51 GMT

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On Monday, May 16, 2011 3:50:07 PM UTC-4, David Fanning wrote:

```
> All for naught. He sees
> right through me. :-(
```

Congratulations. Apparently you made yourself perfectly clear. ;)
