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Subject: legend() with symbols

Posted by [Gordon Farquharson](#) on Tue, 17 Jun 2014 16:33:41 GMT

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Hi All

Is there any way to change the behaviour of legend() when using symbols in a plot? For example, the following code produces a legend, but the legend text is preceded by three '+' symbols, instead of the more traditional single '+'. While the output is not incorrect, it does look a little odd.

```
lp1 = plot(findgen(10), NAME='Test', LINESTYLE='None', SYMBOL='+')
lg1 = legend(TARGET=lp1, POSITION=[0.1,0.9], HORIZONTAL_ALIGNMENT='LEFT', $
    /RELATIVE)
```

Gordon

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Subject: Re: legend() with symbols

Posted by [Starbuck](#) on Tue, 17 Jun 2014 16:58:38 GMT

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On Tuesday, June 17, 2014 10:33:41 AM UTC-6, Gordon Farquharson wrote:

> Hi All

>

>

>

> Is there any way to change the behaviour of legend() when using symbols in a plot? For example, the following code produces a legend, but the legend text is preceded by three '+' symbols, instead of the more traditional single '+'. While the output is not incorrect, it does look a little odd.

>

>

>

> lp1 = plot(findgen(10), NAME='Test', LINESTYLE='None', SYMBOL='+')

>

> lg1 = legend(TARGET=lp1, POSITION=[0.1,0.9], HORIZONTAL\_ALIGNMENT='LEFT', \$

>

> /RELATIVE)

>

>

>

> Gordon

I don't think there is a way to do this by default. I wrote the following blog post that provides a possible workaround:

<http://www.exelisvis.com/Company/PressRoom/Blogs/IDLDataPointDetail/TabId/902/ArtMID/2926/ArticleID/13952/Customizing-Mo>

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Subject: Re: legend() with symbols

Posted by [Gordon Farquharson](#) on Tue, 17 Jun 2014 17:11:17 GMT

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On Tuesday, June 17, 2014 9:58:38 AM UTC-7, Starbuck wrote:

> I don't think there is a way to do this by default. I wrote the following blog post that provides a possible workaround:

>

> <http://www.exelisvis.com/Company/PressRoom/Blogs/IDLDataPointDetail/TabId/902/ArtMID/2926/ArticleID/13952/Customizing-Mouse-Handler-for-IDL-8-Graphics-Windows.aspx>

Thanks very much! Very helpful.

Gordon

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Subject: Re: legend() with symbols

Posted by [laura.hike](#) on Thu, 24 Sep 2015 22:03:11 GMT

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This may be an instance that no one thought of, but what if I want to make a legend for a plot that contains both lines ("plot" function) and filled circles ("scatterplot" function, although I'd be happy if it worked with "symbol" instead)? If you use the sample\_width=0 workaround to get just one filled circle in the legend, no lines show up.

Thanks in advance,

Laura

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Subject: Re: legend() with symbols

Posted by [lecacheux.alain](#) on Fri, 25 Sep 2015 08:32:57 GMT

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Le vendredi 25 septembre 2015 00:03:16 UTC+2, laura...@gmail.com a écrit :

> This may be an instance that no one thought of, but what if I want to make a legend for a plot that contains both lines ("plot" function) and filled circles ("scatterplot" function, although I'd be happy if it worked with "symbol" instead)? If you use the sample\_width=0 workaround to get just one filled circle in the legend, no lines show up.

>

> Thanks in advance,

>

> Laura

I guess that this code:

```
pl = plot(/TEST)
pl.getdata, x, y
pl1 = scatterplot(x,y,/OVER)
l = legend(TARGET=[pl,pl1])
```

is doing what you want.

alx.

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Subject: Re: legend() with symbols

Posted by [lecacheux.alain](#) on Fri, 25 Sep 2015 08:35:17 GMT

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Le vendredi 25 septembre 2015 00:03:16 UTC+2, laura...@gmail.com a écrit :

> This may be an instance that no one thought of, but what if I want to make a legend for a plot that contains both lines ("plot" function) and filled circles ("scatterplot" function, although I'd be happy if it worked with "symbol" instead)? If you use the sample\_width=0 workaround to get just one filled circle in the legend, no lines show up.

>

> Thanks in advance,

>

> Laura

I guess that this code:

```
pl = plot(/TEST)
pl.getdata, x, y
pl1 = scatterplot(x,y,/OVER, /SYM_FILLED)
l = legend(TARGET=[pl,pl1])
```

is doing what you want.

alx.

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