Subject: Re: star symbol in labels??
Posted by   on Thu, 20 Sep 2012 17:17:08 GMT

Den torsdagen den 20:e september 2012 kl. 03:09:07 UTC+2 skrev bing999:
> Hi,
>
>
>
> I'd like to plot a star symbol in labels, i.e. xtitle=...
>
> Do you know how to do that please?
>
>
>
> Textoidl sounded to be a straightforward way to do that.
>
> However, it seems that it does not support \star.
>
>
>
> plot,dindgen(3),xtitle=textoidl('\star')   will print \star instead of
>
> the symbol.
>
> However, if one plots an asterisk with \ast, it works fine...
>
>
>
>   I am a bit confused... Does textoidl miss some tex libraries?

Textoidl does not actually invoke TeX. It just knows how to translate a small subset of TeX to IDL strings. And it knows to do it differently depending on whether you are using vector fonts or postscript fonts.

It's fairly easy to add new symbols - provided you know the proper IDL strings. You just edit one of the tables in textable.pro, which can be found in the textoidl directory.

Subject: Re: star symbol in labels??
Posted by David Fanning on Thu, 20 Sep 2012 17:36:01 GMT

Mats Löfdahl writes:

> It's fairly easy to add new symbols - PROVIDED YOU KNOW THE
> PROPER IDL STRINGS.

Ah, there's the rub! ;-)

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: star symbol in labels??
Posted by Thibault Garel on Fri, 21 Sep 2012 01:56:06 GMT
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Thanks Mats for the clarification regarding textoidl. However, in the
case of a star symbol, I don't know the IDL string, and nor does
google... :)
From David's post, I guess that's a well-known issue.

Any other way to put a star symbol in a string?
Thanks guys!
Bing

Subject: Re: star symbol in labels??
Posted by David Fanning on Fri, 21 Sep 2012 02:18:05 GMT
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bing999 writes:

> Thanks Mats for the clarification regarding textoidl. However, in the
> case of a star symbol, I don't know the IDL string, and nor does
> google... :)
> From David's post, I guess that's a well-known issue.

I think it's easy enough to discover the Unicode value for
stars on Google. The hard part is finding a font that supports
those Unicode values. I don't believe any of the ones delivered
with IDL do.

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: star symbol in labels??
Posted by lecacheux.alain on Fri, 21 Sep 2012 08:35:06 GMT
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Le vendredi 21 septembre 2012 03:56:06 UTC+2, bing999 a écrit :
> Thanks Mats for the clarification regarding textoidl. However, in the
>
> case of a star symbol, I don't know the IDL string, and nor does
>
> google... :)
>
> From David's post, I guess that's a well-known issue.
>
>
>
> Any other way to put a star symbol in a string?
>
> Thanks guys!
>
> Bing

The 'dejavusans' font, introduced in IDL 8.2, includes the star symbol (unicode '22C6'x).
For instance:

pl=plot(/TEST) & !null=text(0.5,0.5,'$\U(22C6)$',FONT_SIZE=30)

alx.

Subject: Re: star symbol in labels??
Posted by toby.brown03 on Fri, 27 Feb 2015 05:00:30 GMT
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On Friday, September 21, 2012 at 6:35:06 PM UTC+10, alx wrote:
> Le vendredi 21 septembre 2012 03:56:06 UTC+2, bing999 a écrit :
>> Thanks Mats for the clarification regarding textoidl. However, in the
>>
>> case of a star symbol, I don't know the IDL string, and nor does

>>
>> google... :)
>>
>> From David's post, I guess that's a well-known issue.
>>
>>
>>
>> Any other way to put a star symbol in a string?
>>
>> Thanks guys!
>>
>> Bing
>
> The 'dejavusans' font, introduced in IDL 8.2, includes the star symbol (unicode '22C6'x).
> For instance:
>
> pl=plot(/TEST) & !null=text(0.5,0.5,'$\U(22C6)$',FONT_SIZE=30)
>
> alx.

Hello, has there been any advancement on this issue?

I would really like to have a subscript star on my labels (i.e $M_{\star}$) however I can't find a routine for the job.

Any ideas?

Toby

Subject: Re: star symbol in labels??
Posted by chris_torrence@NOSPAM on Fri, 27 Feb 2015 18:53:52 GMT

On Thursday, February 26, 2015 at 10:00:33 PM UTC-7, toby.b...@gmail.com wrote:
> On Friday, September 21, 2012 at 6:35:06 PM UTC+10, alx wrote:
>> Le vendredi 21 septembre 2012 03:56:06 UTC+2, bing999 a écrit :
>>> Thanks Mats for the clarification regarding textoidl. However, in the
>>>
>>> case of a star symbol, I don't know the IDL string, and nor does
>>>
>>> google... :)
>>>
>>> From David's post, I guess that's a well-known issue.
>>>
>>>
>>>
>>> Any other way to put a star symbol in a string?

>>>
>>> Thanks guys!
>>>
>>> Bing
>>
>> The 'dejavusans' font, introduced in IDL 8.2, includes the star symbol (unicode '22C6'x).
>> For instance:
>>
>> pl=plot(/TEST) & !null=text(0.5,0.5,'$\U(22C6)$',FONT_SIZE=30)
>>
>> alx.
>
> Hello, has there been any advancement on this issue?
>
> I would really like to have a subscript star on my labels (i.e M_{\star}) however I can't find a
routine for the job.
>
> Any ideas?
>
> Toby

It's easy to do with new graphics:

x = findgen(100)
y = randomu(seed,100)
p = plot(x,y,TITLE='$M_{\U(22C6)}$', FONT_SIZE=30)

Cheers,
Chris

Subject: Re: star symbol in labels??
Posted by David Fanning on Fri, 27 Feb 2015 19:46:23 GMT
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Chris Torrence writes:

> It's easy to do with new graphics:
>
> x = findgen(100)
> y = randomu(seed,100)
> p = plot(x,y,TITLE='$M_{\U(22C6)}$', FONT_SIZE=30)

It's pretty easy with Coyote Graphics, too, if you are using IDL 8.2 or
higher. First, make sure DejaVuSans is your true-type font. I usually do
this in my IDL start-up file.

  cgSet_TTFont, 'Dejavusans'

Then, to make the plot:

  cgPlot, x,y,TITLE='M!D!Z(22C6)!N', Font=1, Output='test.png'

Cheers,

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

Subject: Re: star symbol in labels??
Posted by toby.brown03 on Sun, 01 Mar 2015 23:22:26 GMT

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On Saturday, February 28, 2015 at 6:46:27 AM UTC+11, David Fanning wrote:
> Chris Torrence writes:
>
>> It's easy to do with new graphics:
>>
>> x = findgen(100)
>> y = randomu(seed,100)
>> p = plot(x,y,TITLE='$M_{\U(22C6)}$', FONT_SIZE=30)
>
> It's pretty easy with Coyote Graphics, too, if you are using IDL 8.2 or
> higher. First, make sure DejaVuSans is your true-type font. I usually do
> this in my IDL start-up file.
>
>   cgSet_TTFont, 'Dejavusans'
>
> Then, to make the plot:
>
>   cgPlot, x,y,TITLE='M!D!Z(22C6)!N', Font=1, Output='test.png'
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Excellent, thank you guys.

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Toby