
Subject: Re: Earth Symbol

Posted by [penteado](#) on Sun, 13 Mar 2011 19:39:00 GMT

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On Mar 13, 2:26 pm, Tim Bovaird <tbo...@gmail.com> wrote:

> Has anyone came up with a method to print the earth symbol (\oplus in
> latex)? Same question has been asked for the sun symbol and answered
> with the sunsymbol function, however I haven't been able to find a
> solution anywhere for the earth symbol. Any help would be appreciated.

If it is IDL 8, '\$\oplus\$'.

By the way, can we have the Sun in 8.1?

Subject: Re: Earth Symbol

Posted by [Tim Bovaird](#) on Mon, 14 Mar 2011 02:58:18 GMT

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On Mar 14, 6:39 am, Paulo Penteado <pp.pente...@gmail.com> wrote:

> On Mar 13, 2:26 pm, Tim Bovaird <tbo...@gmail.com> wrote:
>
>> Has anyone came up with a method to print the earth symbol (\oplus in
>> latex)? Same question has been asked for the sun symbol and answered
>> with the sunsymbol function, however I haven't been able to find a
>> solution anywhere for the earth symbol. Any help would be appreciated.
>
> If it is IDL 8, '\$\oplus\$'.
>
> By the way, can we have the Sun in 8.1?

Perhaps I'm missing something but that doesn't work for me in my
postscript plot. Neither do any of these:

```
xtitle='R'+'$\oplus$'
```

```
xtitle='R'+TextToIDL('\oplus')
```

```
xtitle='R'+TextToIDL('$\oplus$')
```

I'm using version 8.0.0

Subject: Re: Earth Symbol

Posted by [Nikola](#) on Mon, 14 Mar 2011 10:41:32 GMT

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On Mar 13, 6:26 pm, Tim Bovaird <tbo...@gmail.com> wrote:

> Has anyone came up with a method to print the earth symbol (\oplus in
> latex)? Same question has been asked for the sun symbol and answered

> with the sunsymbol function, however I haven't been able to find a
> solution anywhere for the earth symbol. Any help would be appreciated.
>
> Thanks, Tim

Is this what you're looking for?

Earth = '!20S!3'
Sun = '!9n!3'

Subject: Re: Earth Symbol
Posted by [Tim Bovaird](#) on Mon, 14 Mar 2011 13:41:58 GMT
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On Mar 14, 9:41 pm, Nikola <nikola.vi...@gmail.com> wrote:
> On Mar 13, 6:26 pm, Tim Bovaird <tbo...@gmail.com> wrote:
>
>> Has anyone came up with a method to print the earth symbol (\oplus in
>> latex)? Same question has been asked for the sun symbol and answered
>> with the sunsymbol function, however I haven't been able to find a
>> solution anywhere for the earth symbol. Any help would be appreciated.
>
>> Thanks, Tim
>
> Is this what you're looking for?
>
> Earth = '!20S!3'
> Sun = '!9n!3'

Thanks. This works in xyouts but not in the plot titles, giving the
error "Unable to find PostScript font metric file: <Undefined-User-
Font>."

Subject: Re: Earth Symbol
Posted by [chris_torrence@NOSPAM](#) on Mon, 14 Mar 2011 15:19:48 GMT
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Hi Tim,

I assume you are using direct graphics? If so, I'm not sure what the
problem is with your fonts. I am able to use the "!20S!3" in both the
plot title and xyouts, using either a direct graphics window or sent
to a postscript file. I am on a Win32 box.

The "\$\oplus\$" (along with the other LaTeX commands) is only available

for new graphics. For example:

```
x = FINDGEN(10)
y = RANDOMU(s,10)
p = PLOT(x, y, TITLE="$\oplus$")
; To get the other planets (and the Sun!) you need to use a Unicode
font:
t = TEXT(5,0.5,"$\Earth \Sun \Saturn$", /DATA, FONT_NAME='Arial
Unicode MS')
```

Cheers,
Chris
ITTVIS

Subject: Re: Earth Symbol
Posted by [Michael Galloy](#) on Mon, 14 Mar 2011 16:31:43 GMT
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On 3/14/11 9:19 AM, Chris Torrence wrote:

```
> I assume you are using direct graphics? If so, I'm not sure what the
> problem is with your fonts. I am able to use the "!20S!3" in both the
> plot title and xyouts, using either a direct graphics window or sent
> to a postscript file. I am on a Win32 box.
>
> The "$\oplus$" (along with the other LaTeX commands) is only available
> for new graphics. For example:
>
> x = FINDGEN(10)
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> p = PLOT(x, y, TITLE="$\oplus$")
> ; To get the other planets (and the Sun!) you need to use a Unicode
> font:
> t = TEXT(5,0.5,"$\Earth \Sun \Saturn$", /DATA, FONT_NAME='Arial
> Unicode MS')
```

Well, you can use the new LaTeX commands with direct graphics if you use the new TEX2IDL routine distributed with IDL 8.0:

```
IDL> xyouts, 0.5, 0.5, charsize=5., /normal, tex2idl('$\oplus$'), font=1
```

Mike

--

www.michaelgalloy.com
Research Mathematician
Tech-X Corporation

Subject: Re: Earth Symbol

Posted by [penteado](#) on Mon, 14 Mar 2011 18:47:24 GMT

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On Mar 14, 1:31 pm, Michael Galloy <mgal...@gmail.com> wrote:

> Well, you can use the new LaTeX commands with direct graphics if you use

> the new TEX2IDL routine distributed with IDL 8.0:

>

> IDL> xyouts, 0.5, 0.5, charsize=5., /normal, tex2idl('\$\oplus\$'), font=1

Was this ever mentioned anywhere? I had never heard of tex2idl(). It does not seem to be present in the help.
