
Subject: Re: cgsymbols change when saving from cgwindow to pdf

Posted by [David Fanning](#) on Sun, 26 Jul 2015 19:54:14 GMT

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ajjillig@gmail.com writes:

>
> Hello all,
>
> When I open a plot using cgwindow and display text using cgsymbol on that plot, and then save to a pdf using the cgwindow drop down menu, some of the symbols change.
>
> For example, cgsymbol('sigma') gives the correct sigma symbol on the pop-up cgwindow, but converts to an 'r' in the saved pdf. cgsymbol('sigma', /ps) gives the wrong symbol in the pop-up window, but the correct symbol in the pdf. I need the symbol to be correct on both as I am using both and cannot have a difference in readability.
>
> Any solutions?(Using a mac, if it matters).
>
> Small illustrative example:
>
> cgwindow, 'cgplot', indgen(100), /xstyle
> cgwindow, 'cgtext', 20, 70, cgSymbol('sigma'), /data, /addcmd
>
> -->save to pdf, sigma becomes an 'r'.
>
> cgwindow, 'cgplot', indgen(100), /xstyle
> cgwindow, 'cgtext', 20, 70, cgSymbol('sigma', /ps), /data, /addcmd
>
>
> --> displays a lower-case sigma in 'word-final position' instead of the standard lower-case sigma on the cgwindow, and in the pdf it is displayed as the intended sigma symbol.

This is a limitation of the way Coyote Graphics has to work to "recreate" the command when things are redrawn. You can't actually call a function from within the command you are trying to "recreate", since there is no actual command stack.

To get what you want, you can write a routine like this:

```
pro main
  cgplot, indgen(100), /xstyle
  cgtext, 20, 70, cgSymbol('sigma'), /data
end
```

And call it like this:

```
IDL> cgWindow, 'main'
```

Cheers,

David

IDL> .r

--

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

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