
Posted by [Ali Gamal](#) on Fri, 03 Oct 2014 20:38:58 GMT

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Posted by [chris_torrence@NOSPAM](#) on Fri, 03 Oct 2014 21:07:31 GMT

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On Friday, October 3, 2014 2:39:02 PM UTC-6, Ali Gamal wrote:

Direct graphics?
Object graphics?
New graphics?
or... Coyote graphics?

Posted by [Ali Gamal](#) on Sat, 04 Oct 2014 23:56:56 GMT

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On Friday, October 3, 2014 10:39:02 PM UTC+2, Ali Gamal wrote:

Direct graphics

Subject: Re: How can i write ? in Y axis

Posted by [David Fanning](#) on Sun, 05 Oct 2014 00:11:49 GMT

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Ali Gamal writes:

```
>  
> On Friday, October 3, 2014 10:39:02 PM UTC+2, Ali Gamal wrote:  
>> I want to write (? log e) as title in Y axis  
>  
> Direct graphics
```

```
cgplot, cgdemodata(1), YTitle='(? log e)'
```

Cheers,

David

--

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

Posted by [Ali Gamal](#) on Sun, 05 Oct 2014 15:18:44 GMT
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On Friday, October 3, 2014 10:39:02 PM UTC+2, Ali Gamal wrote:

my program as

```
;+
; NAME:
;   SYM
;
; PURPOSE:
;
;   This function provides a convenient way to utilize the
;   USERSYM procedure to create an extended choice of plotting
;   symbols, and is intended to be used directly with the PSYM
;   keyword to PLOT, OPLOT, etc.
;
; CALLING SEQUENCE:
;
;   Result=SYM(NUMBER)
;
; INPUTS:
;
;   NUMBER - symbol number
;
;   0 : dot
;   1 : filled circle
;   2 : filled upward triangle
;   3 : filled downward triangle
;   4 : filled diamond
;   5 : filled square
;   6 : open circle
;   7 : open upward triangle
;   8 : open downward triangle
;   9 : open diamond
;  10 : open square
;  11 : plus
;  12 : X
```

```

;      13 : star
;      14 : filled rightfacing triangle
;      15 : filled leftfacing triangle
;      16 : open rightfacing triangle
;      17 : open leftfacing triangle
;
;
; OUTPUTS:
;
;      The function returns the symbol number to be used with the
;      PSYM keyword in the PLOT, OPLOT, etc. commands
;
; SIDE EFFECTS:
;
;      The USERSYM procedure is used to create a symbol definition.
;
; EXAMPLE:
;
;      To produce a plot using open circles as plotting symbols:
;
;      PLOT,X,Y,PSYM=SYM(6)
;
; MODIFICATION HISTORY:
;
;      Martin Schultz, Harvard University, 22 Aug 1997: VERSION 1.00
;
;      (with some minor changes to the information in this header by
;      D. Windt, windt@bell-labs.com)
;
; -
; Copyright (C) 1997, Martin Schultz, Harvard University
; This software is provided as is without any warranty
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; for non-commercial purposes. This copyright notice must be
; kept with any copy of this software. If this software shall
; be used commercially or sold as part of a larger package,
; please contact the author to arrange payment.
; Bugs and comments should be directed to mgs@io.harvard.edu
; with subject "IDL routine sym"
;-----

```

function sym,number

on_error,2 ; return to caller

if(n_elements(number) eq 0) then return,1 ; default

result=8 ; default: return psym=8, i.e.

; user defined symbol

; define some help variables for

; circle :

phi=findgen(32)*(!PI*2/32.)

phi = [phi, phi(0)]

case number of

0 : result = 3 ; dot

1 : usersym, cos(phi), sin(phi), /fill
; filled circle

2 : usersym, [-1, 0, 1, -1], [-1, 1, -1, -1], /fill
; filled upward triangle

3 : usersym, [-1, 0, 1, -1], [1, -1, 1, 1], /fill
; filled downward triangle

4 : usersym, [0, 1, 0, -1, 0], [1, 0, -1, 0, 1], /fill
; filled diamond

5 : usersym, [-1, 1, 1, -1, -1], [1, 1, -1, -1, 1], /fill
; filled square

6 : usersym, cos(phi), sin(phi)
; open circle

7 : usersym, [-1, 0, 1, -1], [-1, 1, -1, -1]
; open upward triangle

8 : usersym, [-1, 0, 1, -1], [1, -1, 1, 1]
; open downward triangle

9 : usersym, [0, 1, 0, -1, 0], [1, 0, -1, 0, 1]
; open diamond

10 : usersym, [-1, 1, 1, -1, -1], [1, 1, -1, -1, 1]
; open square

11 : result = 1 ; plus

12 : result = 7 ; X

13 : result = 2 ; star

14 : usersym, [-1, 1, -1, -1], [1, 0, -1, 1], /fill

```

; rightfacing triangle, filled

15 : usersym, [ 1, -1, 1, 1 ], [1, 0, -1, 1 ], /fill
; leftfacing triangle, filled

16 : usersym, [ -1, 1, -1, -1 ], [1, 0, -1, 1 ]
; rightfacing triangle, open

17 : usersym, [ 1, -1, 1, 1 ], [1, 0, -1, 1 ]
; leftfacing triangle, open

else : begin
    message,/info,'invalid symbol number - set to 1'
    result = 1
end
endcase
return,result
end
;.....
Device, Decomposed=0
;    0 1 2 3 4 5 6 7 8 9 10 11 12 13
tv!ct,[ 0,255, 255, 0, 0,255,255, 0,255,125,125, 0, 0,255],$;red
      [ 0,255, 0,255, 0,255, 0,255,125,255, 0,255,125, 0],$;green
      [ 0,255, 0, 0,255, 0,255,255, 0, 0,255,125,255,125] ;blue
;SET_PLOT, 'PS'
;DEVICE, FILE='24bit.ps', /COLOR, BITS=15

;!P.MULTI = [0,2,2]
;!P.MULTI = 0.
;.....
close, 1
file='synthe.dat'
openr,1,file
nn=14
falcc=fltarr(2,nn)
readf,1,falcc
wavelength=falcc(0,*)
abundance=falcc(1,*)
plot,wavelength,abundance,$
  xrange=[330.3,600.4],xstyle=1,yrange=[1.2,1.7],linestyle=0,x title='Wavelength (nm) ',ytitle='?
log(A)Nd',charsize=1.25, $
COLOR=10,background=255,PSYM=SYM(6),symsize = 1.8
xyouts, 336.3,1.47,'.....',color=10,charsize=4
xyouts, 336.3,1.43,'.....',color=10,charsize=4
xyouts, 336.3,1.39,'.....',color=10,charsize=4
;-----
t=tvrd(true=1)
filename='synthe.jpg'

```

```
write_jpeg,filename,t,true=1
```

```
;-----
```

```
end
```

Posted by [Russell Ryan](#) on Sun, 05 Oct 2014 23:30:00 GMT

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On Friday, October 3, 2014 4:39:02 PM UTC-4, Ali Gamal wrote:

```
plot,[0],[0],ytitle='!7D!6 log e'
```

```
-Russell
```

Posted by [Ali Gamal](#) on Mon, 06 Oct 2014 22:08:29 GMT

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On Friday, October 3, 2014 10:39:02 PM UTC+2, Ali Gamal wrote:

Thanks a lot
