
Subject: Re: QUESTION: special characters in postscript output
Posted by [zawodny](#) on Thu, 11 Mar 1993 13:45:05 GMT
[View Forum Message](#) <> [Reply to Message](#)

In a somewhat related vain:

Here is a little routine I wrote up that creates a PostScript plot displaying the characters in a font and how they map to the keyboard and their byte values. A sample usage of this might be:

```
IDL> !p.multi=[0,2,2,0,0]
IDL> for k=3,20 do DRAWFONT,k
```

This will draw all the available fonts (3 through 20) as they are currently defined 4 fonts to a page.

There is also a .signature file at end of this message.

-----cut here-----cut here-----cut here-----cut here-----

```
;+
; NAME:
; DRAWFONT
; PURPOSE:
; Make a postscript file containing a display of the font
; CATEGORY:
; Unknown
; CALLING SEQUENCE:
; DRAWFONT,num
; INPUTS:
; num Font number (see the HELP,/DEVICE command)
; OUTPUTS:
; None
; COMMON BLOCKS:
; None
; SIDE EFFECTS:
; Make a postscript file
; RESTRICTIONS:
; None
; PROCEDURE:
; STRAIGHTFORWARD (seems to be the default value of this field).
; MODIFICATION HISTORY:
; Written Dec, 1991 by J. M. Zawodny
; zawodny@arbd0.larc.nasa.gov
;-
```

```
pro DRAWFONT,num
```

```
if (!d.name ne 'PS') then begin
  set_graph,/ps
```

```

device,xoff=.5,xsize=7.5,yoff=1.,ysize=9.,/inch
!p.font=0
endif

!p.thick = 5
!x.range = [0,10]
!x.margin = [.12,.12]
!x.style = 5
!y.range = [0,10]
!y.margin = [.1,.1]
!y.style = 5
plot,[0,0,10,6,6,0],[0,10,10,10,9,9],/noclip
if(total(!p.multi) ne 0) then scale=.5 else scale=1.

font = '!' + strtrim(fix(num),2)
rfnt = 'l3'
titl = 'PS Font ' + font
xyouts,3,9.15,titl,size=4*scale,align=.5
for r=0,9 do begin
  y = 9.17-r
  for c=0,9 do begin
    if (r eq 0) and (c le 5) then goto,skip
    x = c+.5
    char = string(27B+byte(c+10*r))
    if (char eq '!') then char = '!!'
    numb = strtrim(27+c+10*r,2)
    xyouts,x,y,font+char,align=.5,size=3*scale
    xyouts,x-.40,y+.63,rfnt+char,align=0.,size=1.25*scale
    xyouts,x+.40,y+.63,numb,align=1.,size=1.25*scale
    oplot,[0,1,1]+c,10-r-[1,1,0],/noclip
  skip:
  endfor
endfor
return
end
-----cut here-----cut here-----cut here-----cut here-----

```

```

--
Joseph M. Zawodny (KO4LW)          NASA Langley Research Center
Internet: zawodny@arbd0.larc.nasa.gov  MS-475, Hampton VA, 23681-0001
Packet: ko4lw@wb0tax.va.usa

```
