
Subject: Symsize doesn't seem to work?

Posted by [stefan5465](#) on Sat, 21 Mar 2009 01:42:19 GMT

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Dear all,

I'm trying to make plots with the post script device, and am trying to increase the size of my psym=3 circular points to something that is actually visible when saved as a .ps, but it doesn't seem to have any effect. Can anyone see why from the below code? :

```
FOR i=0,a-1 DO BEGIN

    !P.MULTI=0
    SET_PLOT,'PS'
    DEVICE,/ENCAPSULATED,FILENAME=string(filefolder)+'/' + string
(FORMAT='(I0)',ensarray[1,0,i])+'.ps',/color,bits_per_pixel= 8
    loadct,13

    plot,ensarray[0,*,i],ensarray[3,*,i],
$
    psym=3,yrange=[min(ensarray[3,*,i]),max(ensarray
[3,*,i])],color=0,symsize=10.0,$
    xtitle='HJD - 2450000',$
    ytitle='dMag',$
    title=' "Intrinsic Photometric Variability" of Star '+string
(FORMAT='(I0)',ensarray[1,0,i]),$
    YSTYLE=8
    AXIS,yaxis=1,yrange=[min(nofailarray[1,*,*]),max(nofailarray
[1,*,*])],/SAVE,ytitle='Airmass' ;Plots the right axis
    oplot,nofailarray[0,*,0],nofailarray[1,*,0],psym =
3,color=120,LINESTYLE=3

ENDFOR
```

Subject: Re: Symsize doesn't seem to work?

Posted by [Jeremy Bailin](#) on Wed, 25 Mar 2009 12:45:55 GMT

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On Mar 24, 7:53 am, Dave Klassen <klas...@rowan.edu> wrote:

> On Mar 22, 8:55 am, Jeremy Bailin <astroco...@gmail.com> wrote:

>

>

>

>> If you want a filled circle (which is not the same as a dot!), I'm

>

> Interestingly, in the PostScript, a dot is a filled polygon. No

> wonder
> my 40000 point, psym=3 plots are HUGE.

Really? Here's what I see for a plot containing 3 points (once all the headers etc. are stripped):

```
10 setlinewidth L0 0.000 K 9667 6702 M Z 8178 5643 M Z 6688 4584 M Z
```

and the definitions of M are {moveto} and Z is {gsave currentpoint
lineto 20
setlinewidth 1 setlinecap stroke grestore}. My ps is rusty, but it
looks like it's just drawing a line from the current point to the
current point, with rounded edges at each end of the line - so a real
dot.

-Jeremy.

Subject: Re: Symsize doesn't seem to work?
Posted by [David Klassen](#) on Thu, 26 Mar 2009 01:52:53 GMT
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On Mar 25, 8:45 am, Jeremy Bailin <astroco...@gmail.com> wrote:
> On Mar 24, 7:53 am, Dave Klassen <klas...@rowan.edu> wrote:
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> current point, with rounded edges at each end of the line - so a real
> dot.

Doh! I looked at my code and my plot command does, indeed have
a sym=3 in the line, but it's really a hacked up version of plot and
in *that* code, it specifically swaps a 3 for an 8 where 8 is an

attempt
at really, really, small circle. Never mind... I didn't say
anything... :p
