## Subject: Re: Symsize doesn't seem to work? Posted by Chris[6] on Sat, 21 Mar 2009 02:26:20 GMT

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On Mar 20, 3:42 pm, stefan5...@hotmail.com wrote:
> 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)+'/Star'+str ing
>
   (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
psym = 3 draws a single point, for which symsize do anything. Try
another psym choice
chris
```

Subject: Re: Symsize doesn't seem to work?
Posted by Jeremy Bailin on Sun, 22 Mar 2009 12:55:47 GMT
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```
On Mar 20, 10:26 pm, Chris <br/>
beaum...@ifa.hawaii.edu> wrote:<br/>
On Mar 20, 3:42 pm, stefan5...@hotmail.com wrote:<br/>
>
```

```
>
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>> Dear all,
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>>
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          YSTYLE=8
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>>
   [1,*,*])],/SAVE,ytitle='Airmass'; Plots the right axis
>>
         oplot,nofailarray[0,*,0],nofailarray[1,*,0],psym =
>> 3,color=120,LINESTYLE=3
>
       ENDFOR
>>
>
> psym = 3 draws a single point, for which symsize do anything. Try
  another psym choice
>
> chris
If you want a filled circle (which is not the same as a dot!), I'm
sure several people have written routines that do this... for example,
with jbsymbol (http://astroconst.org/jbiu/jbiu-doc/plot/jbsymbol.html)
you could do:
jbsymbol, 6, /fill
and then use psym=8 and symsize=whatever.
-Jeremy.
```

Subject: Re: Symsize doesn't seem to work?
Posted by David Fanning on Sun, 22 Mar 2009 22:45:47 GMT

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## Jeremy Bailin writes:

- > If you want a filled circle (which is not the same as a dot!), I'm
- > sure several people have written routines that do this... for example,
- > with jbsymbol (http://astroconst.org/jbiu/jbiu-doc/plot/jbsymbol.html)
- > you could do:

>

> jbsymbol, 6, /fill

>

> and then use psym=8 and symsize=whatever.

SYMCAT has a list of 45 or so symbols, one of which is a filled circle:

http://www.dfanning.com/programs/symcat.pro

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: http://www.dfanning.com/

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

Subject: Re: Symsize doesn't seem to work?
Posted by David Klassen on Tue, 24 Mar 2009 11:53:47 GMT
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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.