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 <beaum...@ifa.hawaii.edu> wrote:
> 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
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>>         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
```

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.