
Subject: Re: filled usersym

Posted by [David Fanning](#) on Wed, 18 Oct 2006 14:28:53 GMT

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Klemens Barfus writes:

- > working with the usersym option in a postscript plot, I created a filled
- > triangle. When the triangle is clipped at the plot boundaries, the
- > filling does not appear anymore and just the contour lines, plotted with
- > an extra command are visible.
- > What can I do or is this a bug of IDL ?

Have you tried adding NOCLIP=0 (please don't ask!)
to whatever command it is you are using?

Let me know. I have some recent experience in this
regard, so I may be able to explain what is happening,
even if I can't fix it. :-)

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: filled usersym

Posted by [Klemens Barfus](#) on Wed, 18 Oct 2006 14:45:45 GMT

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Hi David,

I thought noclip=0 is the default setting ?
I added it to the plot command and also to the oplot commands, but it
does not solve the problem. But I have to mention that the problem
arises, when I create a triangle. When I use a rhomb it works fine

Cheers,

Klemens

David Fanning wrote:

- > Klemens Barfus writes:

>
>
>> working with the usersym option in a postscript plot, I created a filled
>> triangle. When the triangle is clipped at the plot boundaries, the
>> filling does not appear anymore and just the contour lines, plotted with
>> an extra command are visible.
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> Have you tried adding NOCLIP=0 (please don't ask!)
> to whatever command it is you are using?
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> Let me know. I have some recent experience in this
> regard, so I may be able to explain what is happening,
> even if I can't fix it. :-)
>
> Cheers,
>
> David

Subject: Re: filled usersym
Posted by [David Fanning](#) on Wed, 18 Oct 2006 15:13:30 GMT
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Klemens Barfus writes:

> I thought noclip=0 is the default setting ?
> I added it to the plot command and also to the oplot commands, but it
> does not solve the problem. But I have to mention that the problem
> arises, when I create a triangle. When I use a rhomb it works fine

Well, I don't know. All the filled triangles in SYMCAT seem to work fine:

```
IDL> plot, findgen(11)  
IDL> plots, 10, 3, psym=symcat(19), symsize=4
```

Do you suppose something is wrong with the way you calculate the triangle?

Cheers,

David

P.S. You can find SYMCAT here:

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

--

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Subject: Re: filled usersym
Posted by [Klemens Barfus](#) on Wed, 18 Oct 2006 15:36:57 GMT
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Hi David,

>
> Do you suppose something is wrong with the way you
> calculate the triangle?
>

I dont think so, because if symbols are plotted in the no clipping area,
they look fine

But SYMCAT looks really fine :-) !

Cheers,

Klemens

Subject: Re: filled usersym
Posted by [David Fanning](#) on Wed, 18 Oct 2006 15:42:52 GMT
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Klemens Barfus writes:

> I dont think so, because if symbols are plotted in the no clipping area,
> they look fine
>
> But SYMCAT looks really fine :-) !

Well, SYMCAT uses the same method you are using, so
something must be different from what you are doing
and what I am doing. :-)

Cheers,

David

--

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Subject: Re: filled usersym
Posted by [Klemens Barfus](#) on Wed, 18 Oct 2006 16:14:32 GMT
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Hi David,

I meant, that your library looks fine, but I havent used it in my specific problem.

I have tried to figure out the limits of my problem by a small programm.
If you use the vertical position $a1 = 0.1$ both symbols are filled
When you use $a1=0.01$, the rhomb is filled, but the triangle not. But you can see the contours of the triangle.
With $a1=0.0001$ just contours for both symbols are displayed

Do you have any suggestions for the rules applied here ?
It seems not to be consequent to contour a symbol but to fill it not

Cheers,

Klemens

pro test

```
name_plot = 'test.ps'
path = 'c:\temp\'
set_plot, 'ps'
device,/landscape,/bold,/color,/times,/encapsulated,filename =
path+name_plot
loadct, 0
!p.background = 255
```

```
a = [0]
b = [0]
plot, a, b, xrange=[0,4], yrange=[0,4], /nodata
```

```
a1 = 0.1
;a1=0.01
```

```
;a1 =0.0001
```

```
a=[1,1]  
b=[a1,1]
```

```
; plotting rhomb  
x1 = [0,1,0,-1,0]  
y1 = [-1,0,1,0,-1]  
usersym, x1, y1, color=100, /fill  
oplot, a, b, psym=8  
usersym, x1, y1, color=0, thick=1  
oplot, a, b, psym=8  
a=[2,2]  
b=[a1,1]  
; plot triangle  
x2 = [-0.5,0.5,0.0,-0.5]  
y2 = [-0.25,-0.25,0.75,-0.25]  
usersym, x2, y2, color=150, /fill  
oplot, a, b, psym=8, symsize=1.7  
usersym, x2, y2, color=0, thick=1  
oplot, a, b, psym=8, symsize=1.7  
device,/close  
set_plot,'win'
```

```
end
```

David Fanning wrote:

```
> Klemens Barfus writes:  
>  
>  
>> I dont think so, because if symbols are plotted in the no clipping area,  
>> they look fine ....  
>>  
>> But SYMCAT looks really fine :-) !  
>  
>  
> Well, SYMCAT uses the same method you are using, so  
> *something* must be different from what you are doing  
> and what I am doing. :-)  
>  
> Cheers,  
>  
> David
```

Subject: Re: filled usersym

Posted by [David Fanning](#) on Wed, 18 Oct 2006 16:42:43 GMT

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Klemens Barfus writes:

> Do you have any suggestions for the rules applied here ?

Well, specifically, I would like to see how you define the symbol with USERSYM compared to how I do it. There must be some difference there, if mine works and yours doesn't. Or, does mine not work either? I'm now confused about whether you tried it or not.

Cheers,

David

--

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