
Subject: Clipping woes with hardware fonts...

Posted by [Richard G. French](#) on Mon, 30 Jun 1997 07:00:00 GMT

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I am having a problem with clipping. As I understand it, XYOUTS has clipping turned off by default, but setting NOCLIP=0 should turn clipping back on and prevent text from being written outside the plot axes. I've discovered that this works fine as long as you use Hershey fonts, but it does not work when you use hardware fonts. Here is a program illustrating the problem:

```
; sample code to demonstrate peculiar clipping behaviour.  
; When hardware fonts are turned on, clipping is not handled properly.
```

```
!p.multi=[0,1,2]
```

```
!p.font=-1      ; turn off hardware font  
plot,[0,1,2]  
xyouts,.5,2.05,'this shows up'  ; label off the top  
xyouts,1.5,2.05,'this is clipped properly',NOCLIP=0 ; turn on clipping
```

```
!p.font=0      ; turn on hardware font  
plot,[0,1,2]  
xyouts,.5,2.05,'this shows up'  ; label off the top  
xyouts,1.5,2.05,'this should not show up',NOCLIP=0 ; turn on clipping
```

```
end
```

```
.*****  
;
```

I have not seen this documented as a 'feature' and it is causing lots of problems with my plots. I suspect that there is a workaround using the !p.clip array, but I have not tried to figure it out yet. Am I alone in having had this problem?

Dick French
rfrench@ahab.wellesley.edu

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Content-Type: application/x-unknown-content-type-IDLprogramFile; name="noclipbug.pro"

Content-Transfer-Encoding: base64

Content-Disposition: inline; filename="noclipbug.pro"

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dXlulA0KOyBXaGVuIGhhcmR3YXJlIGZvbnRzIGFyZSB0dXJuZWQgb24sIGNs aXBwaW5nIGlz
IG5vdCB0YW5kbGVkIHByb3Blcmx5Lg0KDQohcC5tdWx0aT1bMCwxLDJdDQoN
CiFwLmZvbnQ9
LTENCnBsb3QsWzAsMSwyXQ0KeHlvdXRzLC41LDIuMDUsJ3RoaXMgc2hvd3Mg
dXAnCQkJCTsg
bGFiZWwgb2ZmIHROZSB0b3ANCnh5b3V0cywxLjUsMi4wNSwndGhpcyBpcyBj bGlwcGVkIHBy
b3Blcmx5JyxOT0NMSVA9MAk7IHR1cm4gb24gY2xpcHBpbmcNCg0KIXAuZm9u
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Y2xpcHBpbmcN
Cg0KZW5kDQo=
-----2BAC991D606F98A4C610A3BB--

Subject: Re: Clipping woes with hardware fonts...

Posted by [Liam Gumley](#) on Tue, 01 Jul 1997 07:00:00 GMT

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Richard G. French wrote:

>
> I am having a problem with clipping. As I understand it, XYOUTS has
> clipping turned off
> by default, but setting NOCLIP=0 should turn clipping back on and
> prevent text from
> being written outside the plot axes. I've discovered that this works
> fine as long as you
> use Hershey fonts, but it does not work when you use hardware fonts.

I tend not to use the hardware fonts on-screen because they cannot be rotated - it makes Y-axis labels look pretty crude. Usually one of the Hershey fonts suffices, and when I want to make hard copy, I use one of the Postscript fonts.

I realize that's not much help: sorry.

Cheers,
Liam.
