Subject: Clipping woes with hardware fonts... Posted by Richard G. French on Mon, 30 Jun 1997 07:00:00 GMT

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Content-Transfer-Encoding: 7bit Content-Transfer-Encoding: 7bit

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 -----2BAC991D606F98A4C610A3BB

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

Content-Transfer-Encoding: base64

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

OyBzYW1wbGUgY29kZSB0byBkZW1vbnN0cmF0ZSBwZWN1bGlhciBjbGlwcGlu ZyBiZWhhdmlv dXIuIA0KOyBXaGVuIGhhcmR3YXJIIGZvbnRzIGFyZSB0dXJuZWQgb24sIGNs aXBwaW5nIGIz IG5vdCBoYW5kbGVkIHByb3Blcmx5Lg0KDQohcC5tdWx0aT1bMCwxLDJdDQoN CiFwLmZvbnQ9

LTENCnBsb3QsWzAsMSwyXQ0KeHlvdXRzLC41LDluMDUsJ3RoaXMgc2hvd3MgdXAnCQkJCTsg

bGFiZWwgb2ZmIHRoZSB0b3ANCnh5b3V0cywxLjUsMi4wNSwndGhpcyBpcyBj bGlwcGVkIHBy b3Blcmx5JyxOT0NMSVA9MAk7IHR1cm4gb24gY2xpcHBpbmcNCg0KIXAuZm9u dD0wCQkJCTsg

dHVybiBvbiBoYXJkd2FyZSBmb250DQpwbG90LFswLDEsMl0NCnh5b3V0cywu NSwyLjA1LCd0 aGlzIHNob3dzIHVwJwkJCQk7lGxhYmVslG9mZiB0aGUgdG9wDQp4eW91dHMs MS41LDluMDUs

J3RoaXMgc2hvdWxkIG5vdCBzaG93IHVwJyxOT0NMSVA9MAk7IHR1cm4gb24g Y2xpcHBpbmcN Cq0KZW5kDQo=

-----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.