
Subject: Annoyances...how about this one?

Posted by [steinhh](#) on Tue, 08 Sep 1998 07:00:00 GMT

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Try this:

```
window
for i=0,500 do plots,[i,i,i],[300,301,302],/device,psym=3
```

On my platform {alpha OSF unix 5.1 Apr 13 1998}, this does
not draw all the pixels that should be filled. Instead,
some pixel columns are left out, making the drawn "line"
appear as a striped band (with variable stripe pattern). Is
this the case for other platforms as well?

I assume it's caused by some calculations w/round off error
to/from normalized coordinates or such.

It's quite weird, cause I get correct results for the
following loop:

```
for i=0.0,500,1.0000001 do plots,[i,i,i],[300,301,302],/device,psym=3
```

and for the following:

```
for i=0.0,500,.9999999 do plots,[i,i,i],[300,301,302],/device,psym=3
```

But not for this:

```
for i=0.0,500,1.0 do plots,[i,i,i],[300,301,302],/device,psym=3
```

(So it's not simply the *type* of the variable i that's causing this..)

Doesn't quite make sense, does it?

Regards,

Stein Vidar

Subject: Re: Annoyances...how about this one?

Posted by [Imanol Echave](#) on Mon, 14 Sep 1998 07:00:00 GMT

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Hi people:

I've tested the program on my platform { x86 linux unix 5.0 Apr 28 1997} and I
obtain the Stein's results, only the second and third lines are perfect.
